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Rohilkhand Medical College Campus, Pilibhit Bypass Road, Bareilly-243006 (U.P.) INDIA
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Email: info@rmchbareilly.com, info@biu.edu.in Website: www.biu.edu.in

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BIU/REG/Ph.D./2633

1st March, 2023

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effect of Vitamin D on Blood Glucose and Blood Pressure in Patients with Type 2 Diabetes Mellitus"** and to conduct the viva-voce submitted by Mr. Irfan Ahmad Khan Registration No. BIU/Ph.D./2018-19 (1)/214 for the award of Ph.D. Degree in the faculty of Medicine (Pharmacology);

Irfan Ahmad Khan is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 24th February, 2023.

The Degree will be conferred on him/her at the next convocation of the University.

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Notification

Ref. No. : BIU/REG/2506 Date 13.12.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Computed Tomography Evaluation of Morphometry and Anatomical Variations of Paranasal Sinus Region"** submitted by Mr. Sarangdhar Kumar Registration No. BIU/Ph.D./2018-19 (1)/226 for the award of Ph.D. Degree in the faculty of Medicine (Anatomy);

Sarangdhar Kumar is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of December, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

By Order of the Vice Chancellor

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Notification

Reference No. : BIU/REG/89/2403 Date 12.10.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Evaluation of Endonasal Endoscopic and Laser Assisted Dacryocystorhinostomy"** submitted by Dr. Abhinav Srivastava Registration No. BIU / Ph.D. / 2018-19(1) / 221 for the award of Ph.D. Degree in the faculty of Medical Science (ENT);

Dr. Abhinav Srivastava is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of October, 2022.

The Degree will be conferred to him/her at the next convocation of the University.

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BIU/REG/Ph.D./2960

3rd August, 2023

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Biochemical Bone Health Parameters in Adult Patients with Thyroid Dysfunction – A Cross Sectional Study"** and to conduct the viva-voce submitted by Ms. Sangeeta Kapoor Registration No. BIU/PHD/2018-19(2)/192 for the award of Ph. D. Degree in the faculty of Medicine (Biochemistry);

Sangeeta Kapoor is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 24th July, 2023.

The Degree will be conferred on him/her at the next convocation of the University.

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BIU/REG/Ph.D./3065

17th October, 2023

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Calcipotriene versus Clobetasol and their Combination in Chronic Plaque Psoriasis- A Prospective Cohort Study"** and to conduct the viva-voce submitted by Mr. Yazali Manohar Registration No. BIU/REG/PhD/366 for the award of Ph. D. Degree in the faculty of Medicine (Pharmacology).

Yazali Manohar is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 28th August, 2023.

The Degree will be conferred on him at the next convocation of the University.

By Order of the Vice Chancellor

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Y. Manohar

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BIU/REG/Ph.D./3267

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effect of Mind Relaxation Techniques on the Psychological and Physiological Aspects of Nursing Students- A Randomized Control Trial Study"** and to conduct the viva-voce submitted by Mr. Gaurav Pratap Singh, Registration No. BIU/PHD/2018-19(2)/194 for the award of Ph. D. Degree in the faculty of Nursing.

Gaurav Pratap Singh is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on him at the next convocation of the University.

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G. Singh
19/02/2024

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Notification

Ref. No. : BIU/REG/2503 Date 13.12.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of First aid management training programme among school children"** submitted by Mrs. Mehev Khanam Registration No. BIU/Ph.D./2018-19(1)/229 for the award of Ph.D. Degree in the faculty of Nursing (Community Health Nursing);

Mehev Khanam is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of November, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

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Notification

Ref. No. : BIU/REG/2504 Date 27.12.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Newborn Care : Effectiveness of simulation training for staff nurses"** submitted by Mrs. Prathiba Manoharam. B Registration No. BIU/Ph.D./2018-19(1)/231 for the award of Ph.D. Degree in the faculty of Nursing (Child Health Nursing);

Prathiba Manoharam. B is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of November, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

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Notification

Ref. No.: BIU/REG/2450 Date 17.11.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of Postnatal Health Education Package Among Mothers"** submitted by Mrs. Priyanka A Masih, Registration No. BIU/Ph.D./2018-19(1)/228 for the award of Ph.D. Degree in the faculty of Nursing (Obstetrical and Gynaecological Nursing);

Mrs. Priyanka A Masih is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of November, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

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Notification

Ref. No. : BIU/REG/2505 Date 27.12.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of Sensitization Programme: Infection Prevention and Control among Patient with Tuberculosis"** submitted by Mr. Shiv Shankar Tyagi Registration No. BIU/Ph.D./2018-19(1)/216 for the award of Ph.D. Degree in the faculty of Nursing (Community Health Nursing);

Shiv Shankar Tyagi is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of November, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

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Notification

Ref. No.: BIU/REG/2448 Date 17.11.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of Breast Crawl Method on selected Newborn and Maternal outcomes"** submitted by Mrs. Geeta Rawat, Registration No. BIU/Ph.D./2018-19(1)/232 for the award of Ph.D. Degree in the faculty of Nursing (Obstetrical and Gynaecological Nursing);

Mrs. Geeta Rawat is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of November, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

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Notification

Ref. No.: BIU/REG/2449 Date 17.11.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of online course on knowledge and perception regarding cyber safety among Nursing students: Mixed method study"** submitted by Mrs. Anitha. P, Registration No. BIU/Ph.D./2018-19(1)/230 for the award of Ph.D. Degree in the faculty of Nursing (Child Health Nursing);

Mrs. Anitha. P is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of November, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

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BIU/REG/Ph.D./3264

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of Self Care Measures on Pulmonary Functions Among Petrol Pump Workers at Selected Petrol Pumps, Muzaffarnagar"** and to conduct the viva-voce submitted by Ms. K. Nalini Devi, Registration No. BIU/PHD/2018-19(2)/197 for the award of Ph. D. Degree in the faculty of Nursing.

K. Nalini Devi is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

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BIU/REG/Ph.D./3263

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of Nursing Protocol on Postoperative Outcome Among Patients Undergoing Major Visceral Surgeries: An Experimental Study"** and to conduct the viva-voce submitted by Ms. Mini Mathai, Registration No. BIU/PHD/2018-19(2)/202 for the award of Ph. D. Degree in the faculty of Nursing.

Mini Mathai is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

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BIU/REG/Ph.D./3266

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Perception and Attitudes of Pregnant Women Towards Caesarean Section- A Cross-Sectional Study"** and to conduct the viva-voce submitted by Ms. Sanabam Linthoingambi Devi, Registration No. BIU/PHD/2018-19(2)/233 for the award of Ph. D. Degree in the faculty of Nursing.

Sanabam Linthoingambi Devi is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

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BIU/REG/Ph.D./3268

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Effectiveness of Selected Health Care Strategies on Polycystic Ovarian Syndrome Among Women Between Age Group of 18 to 40 Years- A Randomized Control Study"** and to conduct the viva-voce submitted by Ms. Sanasam Birjeni Devi, Registration No. BIU/PHD/2018-19(2)/234 for the award of Ph. D. Degree in the faculty of Nursing.

Sanasam Birjeni Devi is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/Ph.D./3265

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Study to Assess the Impact of Planned Nursing Intervention on Anorexia Nervosa and Health Status Among Adolescent Girls"** and to conduct the viva-voce submitted by Ms. Safia Khanam, Registration No. BIU/PHD/2018-19(2)/200 for the award of Ph. D. Degree in the faculty of Nursing.

Safia Khanam is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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BIU/REG/Ph.D./3269

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"A Study to Assess the Impact of Pranayama on Stress and Physiological Parameters Among Senior Citizens at Old Age Homes of Moradabad"** and to conduct the viva-voce submitted by Ms. Komila Singh, Registration No. BIU/PHD/2018-19(2)/201 for the award of Ph. D. Degree in the faculty of Nursing.

Komila Singh is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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BIU/REG/Ph.D./3262

17th February, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"A Study to Assess the Effectiveness of the Nursing Care Strategies on Psychophysiological Parameters Among - Myocardial Infarction Patients in Coronary Care Unit at Selected Hospital of Bareilly, Uttar Pradesh"** and to conduct the viva-voce submitted by Ms. Anita Gottlieb, Registration No. BIU/PHD/2018-19(2)/195 for the award of Ph. D. Degree in the faculty of Nursing.

Anita Gottlieb is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 23rd January, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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BAREILLY INTERNATIONAL UNIVERSITY,BAREILLY
OFFICE OF THE REGISTRAR

Notification

Ref. No. : BIU/REG/2417 Date 18.10.2022

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Surgical Management of oral sub-mucous fibrosis: Nasolabial flap Vs Buccal fat pad graft – A Comparative study"** submitted by Dr. Archana Chaurasia Registration No. BIU/Ph.D./ 2018-19(1)/224 for the award of Ph.D. Degree in the faculty of Dental Science (Oral & Maxillofacial Surgery);

Dr. Archana Chaurasia is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held in the month of October, 2022.

The Degree will be conferred on him/her at the next convocation of the University.

By Order of the Vice Chancellor

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BIU/REG/Ph.D./ 959

28th May, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Evaluation of Biochemical Markers in hypothyroid and hyperthyroid Subjects: A Cross-Sectional Study."** and to conduct the viva-voce submitted by Ms. Itika Saxena Registration No. BIU/REG/PhD/411 for the award of Ph. D. Degree in the faculty of Medicine (Biochemistry).

Itika Saxena is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 20th May, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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BIU/REG/Ph.D./958

28th May, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Evaluation of serum Paraoxonase-1 activity in patients with type – II Diabetes Mellitus and its correlation with lipid profile – A cross sectional study."** and to conduct the viva-voce submitted by Ms. Fozia Jamal Registration No. BIU/REG/PhD/388 for the award of Ph. D. Degree in the faculty of Medicine (Biochemistry).

Fozia Jamal is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 20th May, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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BIU/REG/Ph.D./957

28th May, 2024

Notification

On the Recommendation of Board of examiners appointed to adjudicate the thesis entitled **"Evaluation of matrix metalloproteinase -2 and -9 levels in Patients with Metabolic Syndrome & its Correlation with ECG"** and to conduct the viva-voce submitted by Ms. Richa Jain Registration No. BIU/PHD/2018-19(2)/205 for the award of Ph. D. Degree in the faculty of Medicine (Biochemistry).

Richa Jain is declared to have passed the Doctor of Philosophy (Ph.D.) Examination held on 20th May, 2024.

The Degree will be conferred on her at the next convocation of the University.

By Order of the Vice Chancellor

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Fracture Resistance of Root Filled Teeth Restored with Different Restorative Materials: An Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Vertika Mahar** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Rashmi Bansal

Signature
Dr. Rashmi Bansal, M.D.S., Ph.D.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rashmi Bansal M.D.S., Ph.D.
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

CO-SUPERVISOR

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry & Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey
M.D.S
Dept. of Conservative Dentistry & Endodontics

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Histological Evaluation of Conservative Access Cavity Design on Debridement of Root Canal System in Permanent Mandibular Molars"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Yesha Yadav** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Rashmi Bansal

Signature
Dr. Rashmi Bansal, M.D.S., Ph.D.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rashmi Bansal, M.D.S., Ph.D.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly

CO-SUPERVISOR

22/11/21

Signature
Dr. Madhusudan Astekar, M.D.S.
Professor & Head,
Department of Oral Pathology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

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Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"To Evaluate the Root Canal Configuration of Mandibular Premolars Using Three Dimensional Imaging: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Anisha Luthra** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Dr. Anuraag Gurtu
Professor and Head
Dept. of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly (U.P.)

Signature
Dr. Anuraag Gurtu, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISORS

Signature
Dr. Rashmi Bansal, M.D.S., Ph.D.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences,
Bareilly.

Signature
Dr. Atul Mehrotra, M.D.
Professor,
Rohilkhand Medical College and Hospital, Bareilly.

Signature
Dr. Saummya Singh, M.D.S.
Senior Lecturer
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences,
Bareilly.

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Institute of Dental Sciences, Bareilly

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This is to certify that the research work entitled **"Antimicrobial Efficacy of Calcium Hydroxide with 2% Chlorhexidine and Triple Antibiotic Paste Versus Selected Herbal Formulations Against E.Coli and Staph Aureus Microorganisms: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Barnojjwal Dutta** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey
M.D.S.
Dept. of Conservative
Dentistry & Endodontics

CO-SUPERVISOR

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Chandra Vijay Singh
Professor
Deptt. of Conservative Dentistry And Endodontics

Signature
Dr. Saummya Singh, M.D.S.
Senior Lecturer,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Saummya Singh
M.D.S.
Senior Lecturer
Department of Conservative Dentistry And Endodontic
Institute of Dental Sciences, Bareilly

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Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Sealing Ability of Mineral Trioxide Aggregate, Biodentine, Glass Ionomer Cement in Repair of Perforation - An Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Pooja Pandey** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Chandra Vijay Singh
Professor
Deptt. of Conservative Dentistry And Endo
Institute of Dental Sciences, Bareilly

CO-SUPERVISOR

Signature
Dr. Madhusudan Astekar, M.D.S.
Professor & Head,
Department of Oral Pathology,
Institute of Dental Sciences, Bareilly.

22/11/21

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences, Bareilly

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Institute of Dental Sciences, Bareilly

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This is to certify that the research work entitled **"Comparison of Antimicrobial Efficacy of Different Intracanal Medicaments with Propolis as a Vehicle - An Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Sangam Sivani** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Chandra Vijay Sin
Professor
Dept. of Conservative Dentistry And E
Institute of Dental Sciences, Bareil

CO-SUPERVISOR

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry &
Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pa d.S
M.D.S
Dept. of Conservative
Dentistry & Endodontics

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Radiographic Prevalence of Pneumatized Articular Tubercle - An Observational Retrospective Cohort Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Samia Seraj** under my direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Ashish Aggarwal

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Nupur

Signature
Dr. Nupur Gupta, M.D.S.
Reader,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Radiographic Proximity and relationship of the Mandibular Third Molar to the Inferior Alveolar Canal - An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Azmi Malik** under my direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Nitin Upadhyay, M.D.S.
Professor,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Sowmya GV, M.D.S.
Reader,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"A Comparative Evaluation of Socket Preservation Using Demineralized Freeze Dried Bone Graft and Freeze Dried Bone Graft Combined with Advanced Platelet Rich Fibrin and Extraction Alone"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Abhishek Singh Panwar** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Comparative Evaluation of Bupivacaine and Lignocaine for Mandibular Impacted Third Molar Surgery by Using Inferior Alveolar Nerve Block Technique"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Ankita Kapoor** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Comparative Assessment of Maxillofacial Space Infections Amongst Diabetic and Non-Diabetic Patients"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Gaurav Bhagia** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

(Affiliated to Bareilly International University, Bareilly)

CERTIFICATE BY THE SUPERVISOR/ CO-SUPERVISOR

This is to certify that the facilities for the research work entitled "**Comparison between Thoracoacromian Artery with Lateral Thoracic Artery and Thoracoacromian Artery Based Pectoralis Major Myocutaneous Flap for Reconstruction in Oral Cancer Defects**" allotted to **Dr. Mohit Negi** under my/our supervision and guidance do exist in the Department of **Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly.

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CERTIFICATE BY THE SUPERVISOR/ CO-SUPERVISOR

This is to certify that the facilities for the research worktitled**"EVALUATION OF IMMEDIATE FUNCTIONAL LOADING OF BASAL IMPLANTS: A CLINICAL STUDY"**allotted toDr. Priyank Guptaunder my/our supervision and guidance do exist in the Department of oral and maxillofacial surgery ,Institute of Dental sciences,Barielly.I/We will ensure the authenticity of research methodology which confirms to the standards of Bareilly International University.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

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CERTIFICATE BY THE SUPERVISOR/ CO-SUPERVISOR

This is to certify that the facilities for the research work entitled **"Comparative Evaluation among Clinico-radiological and Histopathological Neck Node Staging among Patients with Oral Cancer-An Ambidirectional Cohort Study"** allotted to **Dr. Sumit Bhatt** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Assessment of Skeletal Age and Dermatoglyphic Patterns in Adolescents of Various Body Mass Index - A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Resham Irshad** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Influence of Damon and Conventional MBT Bracket System on Soft Tissue and Smile Esthetics Consequent to Non-Extraction Treatment"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Shubhi Gangwar** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Orthognathic Surgical Norms for North Indian Population- A Cephalometric Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Surabhi Saxena** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Microleakage Among Bioactive, Alkasite, Bulkfill Composite Restorative Materials Under a Stereomicroscope- An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Deepshikha** under my direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

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CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled **"The Influence of Various Irrigating Solutions on Adaptation of Resorbable Obturating Paste in Primary Teeth- An Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Ankita Gupta** under my direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

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CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Hand, Rotary and Reciprocating Files System on Crack Formation in Primary Teeth: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Shashank Kumar Singh** under my direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **" Advanced - Platelet Rich Fibrin with and without Intra Marrow Penetration in the Treatment of Periodontal Intrabony Defects: A Randomised Controlled Trial"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Parth Sharma** under my direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Bone Regeneration Around Immediate Implant Using Sticky Bone: A Clinico-Radiographic Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Satyaki Verma** under my direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Pin Hole Surgical Technique and Semilunar Coronally Repositioned Flap for Treatment of Gingival Recession"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Kunche Lavanya** under my direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE HEAD OF THE DEPARTMENT

This is to certify that the research work entitled **"Comparative Evaluation of Vestibular Incision Subperiosteal Tunnel Access Versus Coronally Advanced Flap with Platelet Rich Fibrin in Miller's Class I Gingival Recession Defects"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Nidhi Pandey** and was conducted by the candidate herself in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

She has fulfilled the necessary prerequisites for submission of the thesis and has put the necessary three years stay in the department according to the university regulations.

Date: 23.11.21
Place: Bareilly.

Signature
Dr. R. G. Shiva Manjunath, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
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Dr. R. G. SHIVA MANJUNATH
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I.D.S., BAREILLY (U.P.)

SUSHIL KUMAR THAKUR

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Biphasic Calcium Phosphate Bioceramics and Titanium-Platelet Rich Fibrin with Intra Marrow Penetration in Treating Grade II Furcation Defects"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Lubna Shoaib** under my direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
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Signature
Dr. Prerna Agarwal, M.D.S.
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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE HEAD OF THE DEPARTMENT

This is to certify that the research work entitled **"Oral Health Status and Treatment Needs Among Sugar Factory Workers in Bareilly City: A Cross-Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Swati Pathak** and was conducted by the candidate herself in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly.

She has fulfilled the necessary prerequisites for submission of the thesis and has put the necessary three years stay in the department according to the university regulations.

HEAD OF DEPARTMENT
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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Assessment of Depression and Oral Health Among Elderly Living in Old Age Homes and Within Family Set Up in Bareilly City: A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Nandita Gautam** under my direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**A Comparative Evaluation of Impression Accuracy by Using Two Different Elastomeric Impression Materials in Angulated Implants: An In-Vitro Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Darakshan Saifi** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
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CO-SUPERVISOR

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Marginal Accuracy of Cast Copings Fabricated by Ring-Less and Metal Ring with and without Liner: An In-Vitro Study"** allotted to **Dr. Isha Saxena** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

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Co-Supervisor

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Flexural Strength in Provisional Fixed Partial Denture Materials Stored Under Different Solutions: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Kumari Sweta Prakash** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Various Dentin Desensitizers on Retention for Full Crowns Using Two Different Luting Cements: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Priyanka Chourasiya** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"A Comparison of Relative Positional Accuracy of Three Commercially Available Removable Die Systems with Different Design: An In Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Sonal Singh** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"To Evaluate Dimensional Accuracy of Casts on Repeat Pours with Addition Silicone Impression Materials: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2022 of Bareilly International University, Bareilly, has been carried out by **Dr. Rashmi Joshi** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Prevalence of More Than One Root Canal and its Configuration Type in Mandibular Incisors: An in vitro study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Deeksha Kulkarni** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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Saumya Singh

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Dr. Saummya Singh
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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Antibacterial Efficacy of Different Intra Canal Medicaments Against Staphylococcus Aureus and Escheriehia Coli**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Naveena Gahlot** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Varada R Hiremath

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Professor
Department of Conservative Dentistry & Endodontics
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CO-SUPERVISOR

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Professor and Head,
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Prof. & Head
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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"An Evaluation of Anatomical Relationship Between Apices of Maxillary Teeth and Adjacent Structures"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Priya Mishra** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled "**Comparative Evaluation of Sealing Ability of Different Root End Filling Materials Using Dye Penetration Technique - An in Vitro Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Tanu Morya** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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Sr. Lecturer
Dept. of Conservative Dentistry and Endodontics
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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Antibacterial Efficacy of Mineral Trioxide Aggregate Versus Calcium Hydroxide Based Sealers Against Microorganisms: An in vitro Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Trapti Gupta** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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Signature
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Professor and Head,
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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Accuracy of Different Apex Locators in Working Length Determination :An ex-vivo study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Mamnoon Ghafir** under my direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

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This is to certify that the research work entitled **"Condylar Morphology in Orthopantomograph – A Retrospective Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Kratika Mohan** under my direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Positioning Errors in Digital Panoramic Radiographs - A Retrospective Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Supriya Naren** under my direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Odontogenic Primary Fascial Space Infections – A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Swati Goley** under my direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Immunohistochemical Expression of Paxillin in Potentially Malignant Disorders and Squamous Cell Carcinoma Patients"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Pathology and Microbiology)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Shakir Alam** under my direct supervision and guidance in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Assessment of Variation in Morphology of Maxillary Central Incisors in Different Incisal Classes"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Akash Prakash Singh** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Agenesis of Third Molar and Its Correlation with Development of Adjacent Second Molar - A Retrospective Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Priyanshi** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Effect of Micro-Osteoperforation on the Rate of Canine Retraction - A Split Mouth Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Sumit Joshi** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Xenograft Versus Demineralized Freeze-Dried Bone Allograft in Maxillary Sinus Augmentation"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Ankita Bajaj** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Efficacy of Dermabrasion in Post Traumatic Facial Scars: A Prospective Clinical Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Bharat Veer** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Inferior Alveolar Nerve Block Versus Gow-Gates Technique in Impacted Lower Third Molar Surgeries"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Jitendra Kumar Diwakar** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"The Efficacy of Interpositional Dermal Fat Graft in the Management of Temporomandibular Joint Ankylosis"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Mohd Asjad Raza** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

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This is to certify that the research work entitled **"Comparison Between Physics Forceps and Conventional Forceps in Lower Premolar Teeth Extraction"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Om Vachaspati** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Comparison of One Versus Two Titanium Miniplate in the Treatment of Mandibular Angle Fractures"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Sakshi Gupta** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluating the Efficacy of Various Anesthetic Sprays and Gels while Placing Rubber Dam Clamp: An In - Vivo Split Mouth Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Ankita Chandak** under my direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

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This is to certify that the work entitled "**Non-Pharmacological Behaviour Management**" which is being submitted as a library dissertation in the partial fulfillment for **M.D.S. (Department of Pediatric and Preventive Dentistry)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Kanika Sharma** under my direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. He has compiled the literature independently under my direction.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Relationship Between Dental Age, Skeletal Maturation and Body Mass Index: An Analytical Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Pankhuri Priya** under my direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Anshul, M.D.S.
Professor,
Department of Pediatric and
Preventive Dentistry,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Preeti Bhattacharya, M.D.S.
Professor & Head,
Department of Orthodontics and
Dentofacial Orthopedics,
Institute of Dental Sciences, Bareilly.

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Email : info@rmcbareilly.com, info@biu.edu.in Website : www.biu.edu.in

BIU/REG/2018/MDS/ 17
Date: 20th Dec 2018

DR. SHREYA MAHESHWARI
PG Student
Department of Periodontology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2018-19. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Potential Role of Chronic Periodontitis in Causing Reactive Thrombocytosis Leading to Cardiovascular Disease: A Cross Sectional Study"**
Supervisor	:	**Dr. Hirak S. Bhattacharya**
Co- Supervisor	:	**Dr. Nitin Agarwal**

Your synopsis as above stand approved. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time. You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2020.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

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BIU/REG/2018/MDS/ 13
Date: 20th Dec 2018

DR. ANJALI GABA
PG Student
Department of Periodontology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2018-19. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Evaluation of Intrabony Defect Treated with Advanced and Titanium Platelet Rich Fibrin: An In Vivo Study"**
Supervisor	:	**Dr. Manvi Chandra Agarwal**
Co- Supervisor	:	**Dr. Prerna Agarwal**

Your synopsis as above stand approved. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time. You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2020.

Registrar

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BIU/REG/2018/MDS/14
Date: 20th Dec 2018

DR. BHARTI
PG Student
Department of Periodontology and Implantology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2018-19. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Comparison of Hydroxyapatite Bone Graft with or Without Injectable Platelet Rich Fibrin In Periodontal Defects"**
Supervisor	:	**Dr. Ashish Agarwal**
Co- Supervisor	:	**Dr. Jaishree Garg**

Your synopsis as above stand approved. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time. You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2020.

Registrar

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BIU/REG/2018/MDS/ 15
Date: 20th Dec 2018

DR. MAYANK PRIYADARSHI
PG Student
Department of Periodontology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2018-19. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Evaluation of Treatment Outcome in Periodontal Defects using Advanced-Platelet Rich Fibrin with or without Decalcified Freeze- Dried Bone Allograft"**
Supervisor	:	**Dr. R. G. Shiva Manjunath**
Co- Supervisor	:	**Dr. Rika Singh**

Your synopsis as above stand approved. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time. You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2020.

Registrar

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BIU/REG/2018/MDS/ 16
Date: 20th Dec 2018

DR. RISHABH SRIVASTAVA
PG Student
Department of Periodontology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2018-19. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Comparison of Conventional Flap Technique with Entire Papilla Preservation Flap in the Treatment of Human Intrabony Periodontal Defect"**
Supervisor	:	**Dr. Hirak S. Bhattacharya**
Co- Supervisor	:	**Dr. Manvi Chandra Agarwal**

Your synopsis as above stand approved. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time. You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2020.

Registrar

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BIU/REG/2018/MDS/ 18
Date: 20th Dec 2018

DR. SUNIL DATT
PG Student
Department of Periodontology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2018-19. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Evaluation of Hard and Soft Tissue Changes Around Implants in Cemented and Screw Retained Prosthesis"**
Supervisor	:	**Dr. R. G. Shiva Manjunath**
Co- Supervisor	:	**Dr. Hirak S Bhattacharya**

Your synopsis as above stand approved. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time. You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2020.

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Assessment of Palmar Patterns and Dermatoglyphics in Oral Cancer Patients of Bareilly City: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Adeeba Saleem** under my direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Puneet Gupta, M.D.S.
Reader,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"A Randomized Controlled Trial of Clinical Efficacy between a Probiotic and 0.2% Chlorhexidine Mouthrinse on Oral Health"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Divya Srivastava** under my direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Puneet Gupta, M.D.S.
Reader,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Two Adhesive Systems on the Pit and Fissure Sealant Success in Permanent Molars: An in vivo Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Henna Mir** under my direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Puneet Gupta, M.D.S.
Reader,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN& BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"A Comparative Linear Measurement of Edentulous Bone Between Cone Beam Computed Tomography and Dentascan Computed Tomography in Implant Patients"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown& Bridge)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Astha Khurana** under my direct supervision and guidance in the **Department of Prosthodontics and Crown& Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. M. K. Singhal, M.D.S.
Professor & Head,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Ashish Aggarwal, M.D.S.
Reader,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Bone Density before and after Placement of Implant using Osseodensification Technique"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Hemendra Pratap** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Anip kumar Roy 27/11/2020.

Signature
Dr. Anip Roy, M.D.S.
Reader,
Department of Prosthodontics and
Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Alok Kumar, M.D.S.
Professor,
Department of Prosthodontics and
Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Ashish Aggarwal

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and
Radiology,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN& BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Effect of Different Denture Soft Liners on Mandibular Ridge Resorption in Complete Denture Wearers: An In-Vivo Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown& Bridge)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Mehjabeen Kouser** under my direct supervision and guidance in the **Department of Prosthodontics and Crown& Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Sowmya G. V., M.D.S.
Reader,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Effect of Varying Ferrule Designs on Fracture Resistance of Endodontically Treated Teeth Restored with Fiber Posts: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Smritashree Baruah** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Anuj K. Shukla, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"A Comparative Evaluation of Bite Pressure Between Natural Teeth and Implant Prosthesis: An In-Vivo Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Vaibhav Budakoti** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. M. K. Singhal, M.D.S.
Professor & Head,
Department of Prosthodontics and
Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Pinki Bankoti, M.D.S.
Senior Lecturer,
Department of Prosthodontics and
Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled **"An Evaluation and Comparison of Microhardness of Different Types of Artificial Teeth: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown& Bridge)** Examination, 2021 of Bareilly International University, Bareilly, has been carried out by **Dr. Shikha** under my direct supervision and guidance in the **Department of Prosthodontics and Crown& Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"The Comparative Evaluation of Two Implant Hex Design Systems on the Accuracy of Impressions by using Two Different Materials: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Aditi Rathi** under my direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Measurement and Comparison of Pattern of Bone Destruction in Chronic Periodontitis Patients with and without Smoking Habit: A Cross-Sectional Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Anshika Suman** under our direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Estimation and Comparison of Turmeric and 0.2% Chlorhexidine Mouthwash in Prevention of Plaque and Gingivitis: A Clinical Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Mhao P. Jungio** under us direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Jaishree garg

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Estimation of Mannose Binding Lectin Level in Gingival Crevicular Fluid and Serum in Chronic Periodontitis"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Prerna Tandon** under our direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Comparative Evaluation of the Efficacy of Placentrex Gel & Blue-M Gel in Treatment of Chronic Periodontitis: A Randomized Control Trial**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Siddhanth Singh** under us direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Platelet Count and Antimicrobial Efficacy of Various Blood Concentrates: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Shaurya Upadhyay** under our direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Evaluation of Hard and Soft Tissue Changes in Periodontium with and without Piezocision Assisted Corticotomy: A Case Control Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Periodontology & Implantology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Sujay Yadav** under us direct supervision and guidance in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Analysis of Craniofacial Asymmetry and Orthodontic Treatment Need in Subjects with and without Temporomandibular Joint Disorders: A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Anita Pradhan** under our direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Assessment of Dental Malocclusion and soft tissue features among children with special needs - A cross sectional study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Renuka Bhatt** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Reliability of Computer Aided Prediction of Post Orthodontic Treatment Changes: A Retrospective Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Swatika Sankrit** under our direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluating Antibacterial Efficacy of Intra Canal Medicaments with Different Vehicles Against Staphylococcus Aureus and E. coli; An experimental study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Anshu Nishchhal** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Prevalence of Middle Mesial Canal in Mandibular First Molars using Three Dimensional Imaging: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Varnika Singh** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Assessment of Covid-19 Related Knowledge, Attitude and Practices Among Endodontist of India at the Time of Lockdown and 6 Months after Lockdown: A Cross-sectional Survey"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Chandni Matloob** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Prevalence of the Histological Characteristics in Various Teeth of Different Age Groups: An Observational *In Vitro* Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Shubhi Gupta** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

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This is to certify that the research work entitled **"Comparative Evaluation of Retrievability of Gutta Percha Obturated with Different Sealers Using Different Retreatment File Systems: An Observational in-vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Varnika Saxena** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Morphometric Analysis of the Anatomical Landmarks in Human Maxillary First Premolar Pulp Chamber using Spiral Computed Tomography: An Observational Study "** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Mohd. Wasil Khan** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Estimation of Age by Pulp Tooth Ratio in the Canines using Radiovisiography: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Pawanjot Singh** under our direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Digital Radiographic Evaluation of Mandibular Ramus for Gender Determination: An Observational Retrospective Cohort Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Rupali Pandey** under our direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Diagnostic Efficiency of Clinical Examination Versus Panoramic Radiography: A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Karandeep Singh Virk** under our direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Efficacy of Lambda Plate For Open Reduction and Internal Fixation of Subcondylar Fractures of the Mandible: A Prospective Clinical Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Namrata Vishwakarma** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Efficacy of Superficial Cervical Plexus Block in Incision and Drainage of Facial Space Infections: A Prospective Clinical Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Niyati Mishra** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Comparative Evaluation of Sentinel Node Biopsy Based on Indocyanine Green Dye and Histopathology in Oral Squamous Cell Carcinoma: A Descriptive Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Prashant Kumar Manjul** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Intra-Articular Injection of Hyaluronic Acid and Corticosteroid Versus Arthrocentesis in the Treatment of Temporomandibular Joint Internal Derangement: A Prospective Clinical Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Shreya Chitkara** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Anesthetic Efficacy of Bupivacaine, Ropivacaine and Lidocaine in Inferior Alveolar Nerve Block Technique in Oral Surgical Procedures: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Uday Rastogi** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled "**Management of Angle Fracture by 3-Dimensional Rectangular Grid Plate: A Prospective Clinical Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Vishal Mishra** under my direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of the Effect of Various Storage Media on the Fracture Resistance of the Reattached Tooth Fragment: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Jean N Murry** under our direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Longevity of Fluoride Release from Three Different Fluoride Varnishes: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Vaishnavi Singh** under our direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of the Sealing Ability of Different Root Canal Sealers: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Mayurika** under our direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

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CO-SUPERVISOR

Signature
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BAREILLY INTERNATIONAL UNIVERSITY

(Establishment Under Govt. of U.P. Act 26 of 2016)
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BIU/REG/30/2020/28
Date: 10th March, 2021

Dr. Pallavi Kumar
PG Student
Department of Prosthodontics and Crown & Bridge
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2020-21. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	Comparative Evaluation of the Shear Bond Strength of Two Intraoral Porcelain Repair Systems on Metal Ceramic Samples after Different Surface Treatment : An In–Vitro Study
Supervisor	Dr. Mukesh Kumar Singhal
Co- Supervisor	Dr. Anuj Shukla

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference. You shall submit six monthly progress report of the work done with college time to time

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2022.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

SUSHIL KUMAR THAKUR
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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Effect of Addition with Nanoparticles on Shear Bond Strength and Antifungal Activity in Soft Denture Liner: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Raut Akash Chandraprakash** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Effect of Sandblasting or Acid Etching on the Retention of Glass Fibre Posts Luted with Resin Cement: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Shalini Chauhan** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Alok Kumar, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Chetan Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

Digitally signed by SUSHIL KUMAR THAKUR
DN: C=IN, O=Personal, PostalCode=302033, S=Rajasthan, SERIALNUMBER=C973379113FC8D793F2708FC9D687F06B89F4196B9325326C00EECB6FEC22CC0, CN=SUSHIL KUMAR THAKUR
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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Comparative Evaluation of Marginal Adaptation and Microleakage of Metal Crowns and All Ceramic Zirconia Crown Luted with Permanent Cement: An In-Vitro Study"** allotted to **Dr. Vishwajyoti Singh** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Anip kumar Roy, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Nivedita, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Effect of Adding Nanoparticles on Flexural Strength and Surface Hardness in Heat Cure Acrylic Resin: An In-Vitro Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Waghmare Anagha Hemshankar** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature 9/11/22
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Chetan Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Assessment and Prevalence of Patterns of Tobacco Use and Associated Oral Lesions Among Tobacco Consuming Population in Bareilly City: A Cross Sectional Study**" which is being submitted as a thesis in the partial fulfillment for M.D.S. (**Public Health Dentistry**) Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Anushtha Kushwaha** under our direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Chanchal Gangwar, M.D.S.
Reader,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Assessing Oral Health Related Quality of Life of Cane Furniture Industry Workers in Bareilly City: A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Krishna** under our direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Puneet Gupta, M.D.S.
Reader,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Herbal and Non-Herbal Toothpaste Among 20-40 Year Old Patients in Bareilly City: A Randomized Controlled Trial"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Prasanjeet Kumar** under our direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
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CO-SUPERVISOR

Signature
Dr. Chanchal Gangwar, M.D.S.
Reader,
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Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Immunohistochemical Expression of Paxillin in Ameloblastoma and Odontogenic Keratocyst: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Pathology and Microbiology)** Examination, 2023 of Bareilly International University, Bareilly, has been carried out by **Dr. Arunima** under our direct supervision and guidance in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Madhusudan Astekar, MDS, Ph.D.
Professor & Head,
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CO-SUPERVISOR

Signature
Dr. Gaurav Sapra, M.D.S.
Professor,
Department of Oral Pathology & Microbiology,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Immunohistochemical Expression of Paxillin in Salivary Gland Tumours: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Pathology and Microbiology)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Rajan Kumar Singh** under our direct supervision and guidance in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

Co-Supervisors

Signature
Dr. Gaurav Sapra, M.D.S.
Professor,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Gaurav Sapra, M.D.S.
Professor
Department of Oral Pathology & Microbiology
Institute of Dental Sciences, Bareilly (U.P.)

Signature
Dr. Ashutosh Agarwal, M.D.S.
Professor,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Ashutosh Agarwal
Professor
Department of Oral Pathology & Microbiology
Institute of Dental Sciences Bareilly (U.P.)

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effects of Non-urgical Therapy on Human Fetuin-A Levels in Patients with Chronic Periodontitis"** llotted to **Dr. Amrita** under my/our supervision and guidance do exist in the **Department of 'eriodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Prerna Agarwal, M.D.S.
Reader,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Interdental Papilla Augmentation Using Hyaluronic Acid in Aesthetic Zone: A Minimally Invasive Approach"** allotted to **Dr. Divyata Widhani** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Manvi Chandra Agarwal, M.D.S.
Professor,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Association Between Maternal Periodontitis and Pre-Term Low Birth Weight: A Cross Sectional Clinico-microbiological Study"** allotted to **Dr. Parth Mehra** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Jaishree Garg, M.D.S.
Professor,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled "**CLINICAL EVALUATION OF COCONUT OIL PULLING PRACTICE VS CURCUMIN BASED MOUTHWASH IN PLAQUE INDUCED GINGIVITIS**" allotted to **Dr. Puru Abbey** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature

Dr. Jaishree Garg, M.D.S.

Professor,

Department of Periodontology &

Implantology,

Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Evaluation of Sticky Bone with and without Intramarrow Penetration in the Treatment of Periodontal Intrabony Defects: An Interventional Study"** allotted to **Dr. Tripti Mohan** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rika Singh, M.D.S.
Reader,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. act 26 of 2016)
Rohilkhand Medical College Campus, Pilibhit Bypass Road, Bareilly-243006 (U.P.) INDIA
Phone : 0581-2526011-12, Fax : 0581-2303345
Email : info@rmcbareilly.com, info@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2253
Date: 5th Aug 2022

Dr. Archit Bahadur
PG Student
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear
You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2021-22. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	**Efficiency of Transcutaneous Electrical Nerve Stimulation and Piroxicam to Alleviate Pain During Orthodontic Tooth Separation: A Prospective Study**
Supervisor	**Dr. Anil Kumar Chandna**
Co- Supervisor	**Dr. Ravi Bhandari**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.
You shall submit six monthly progress report of the work done with college time to time.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2023.

Registrar

Bareilly International University Bareilly Pin-243006

Copy to Principal, Institute of Dental Sciences, Bareilly

SUSHIL KUMAR THAKUR

Digitally signed by SUSHIL KUMAR THAKUR
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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled **"Relationship of the Impacted Maxillary Canine with the Morphology of Adjacent Lateral Incisor- A Retrospective Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Hema Taragi** under my direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under my direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by me.

SUPERVISOR

Signature
Dr. Ankur Gupta, M.D.S.
Professor,
Department of Orthodontics and
Dentofacial Orthopaedics,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**A Comparative Assessment of Mandible and Condylar Position in Patients with Class II Div 2 Incisor Pattern after Alignment and Levelling Phase - A Prospective Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Orthodontics and Dentofacial Orthopedics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Zarin Fatima** under our direct supervision and guidance in the **Department of Orthodontics and Dentofacial Orthopedics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
Dr. Preeti Bhattacharya, M.D.S.
Professor & Head,
Department of Orthodontics and
Dentofacial Orthopaedics,
Institute of Dental Sciences, Bareilly.

CO-SUPERVISOR

Signature
Dr. Shivani Singh, M.D.S.
Reader,
Department of Orthodontics and
Dentofacial Orthopaedics,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Ashutosh Agarwal, M.D.S.
Reader,
Department of Periodontology and
Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR
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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Effect of Rotary Vs Hand Files on Peri-Cervical Dentin and Canal Transportation Using Cone Beam Computed Tomography: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Abhinab Dutta** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Tanu Morya, M.D.S.
Senior Lecturer,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of the Root and Root Canal Morphology of Maxillary Second Molar in Western U.P. using Spiral Computed Tomography: In-Vitro Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Anish Kumar Maity** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled **"Single Visit Versus Two Visit Endodontic Treatment in Mandibular First Molar with Asymptomatic Irreversible Pulpitis: A Randomised Clinical Control Trial"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Nirma Bharati** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under my direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by me.

Supervisor

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Manoj Hans, M.D.S.
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparison of Two Reciprocating File System with Continuous Rotation System in Root Canal Preparation: A Randomized Clinical Control Trial"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Saurav Bathla** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
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Dr. Manoj Hans, M.D.S.
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

Co-Supervisors

Signature
Dr. Lalit Agarwal, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Lalit Kumar Agarwal, M.D.S.
Reader
Department of Conservative Dentistry And Endodontics

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Antibacterial Efficacy of Mineral Trioxide Aggregate, Bioactive Glass and Epoxy-Resin Based Sealer: An In-Vitro Interventional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Saurav Kumar Dutta** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Chandra Vijay Singh, M.D.S.
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and Endodontics,
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Dr. Chandra Vijay Singh, M.D.S.
Professor,
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Co-Supervisor

Signature
Dr. Tanu Morya, M.D.S.
Senior Lecturer,
Department of Conservative Dentistry
and Endodontics,
Institute of Dental Sciences, Bareilly.

DR. TANU
MDS
Senior Lecturer
Dept. of Conservative
Dentistry & Endodontics

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Partial Pulpectomy v/s Complete Pulpectomy in Mature Permanent Mandibular First Molar Teeth with Irreversible Pulpitis: A Randomized Clinical Control Trial"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Conservative Dentistry and Endodontics)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Suyash Pratap Singh** under our direct supervision and guidance in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Lalit Agarwal, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Lalit Kumar Agarwal, M.D.S.
Reader,
Department Of Conservative Dentistry And Endodontics
Institute Of Dental Sciences, Bareilly

Co-Supervisors

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry And Endodontics
Institute of Dental Sciences, Bareilly

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. act 26 of 2016)
Rohilkhand Medical College Campus, Pilibhit Bypass Road, Bareilly-243006 (U.P.) INDIA
Phone : 0581-2526011-12, Fax : 0581-2303345
Email : info@rmcbareilly.com, info@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2262
Date: 5th Aug 2022

Dr. Faiza Khan
PG Student
Department of Oral Medicine and Radiology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear
You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2021-22. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	**Radiomorphometric Evaluation of Maxillary Sinus in Gender Determination: An Analytical Study**
Supervisor	**Dr. Ashish Aggarwal**
Co- Supervisor	**Dr. Sowmya GV**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.
You shall submit six monthly progress report of the work done with college time to time.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2023.

Registrar

Bareilly International University Bareilly Pin-243006

Copy to Principal, Institute of Dental Sciences, Bareilly

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. act 26 of 2016)
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Email : info@rmcbareilly.com, info@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2263
Date: 5th Aug 2022

Dr. Imran Asif
PG Student
Department of Oral Medicine and Radiology
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear
You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2021-22. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	**Localisation of Mental Foramen in Panoramic Radiography: A Cross Sectional Study**
Supervisor	**Dr. Nitin Upadhyay**
Co- Supervisor	**Dr. Sowmya GV**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.
You shall submit six monthly progress report of the work done with college time to time.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2023.

Registrar

Bareilly International University Bareilly Pin-243006

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Radiographic Evaluation of Two Age Estimation Methods - A Cross Sectional Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Medicine and Radiology)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Navendra Jha** under our direct supervision and guidance in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Sowmya GV, M.D.S.
Professor,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled "**Radial Free Forearm Flap Versus Major Pectoralis Myocutaneous Flap Reconstruction in Head & Neck Cases: An Analytical Comparative Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Anand Mohan Singh** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Dr. Anurag Yadav
M.D.S., Ph.D.
Professor
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

Supervisor

Signature
Dr. Anurag Yadav, M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Arjun Agarwal (M.Ch.)
Professor & Head
Department of Surgical Oncology
Rohilkhand Medical College & Hospital
Bareilly
U.P. Reg. No. 82068

Co-Supervisor

Signature
Dr. Arjun Agarwal, M.S., M.Ch
Professor,
Department of Oncology,
Rohilkhand Medical College &
Hospital, Bareilly.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Comprehensive Contrast of Frontozygomatic versus Sigmoid Notch Approach for Extraoral Maxillary Nerve Block in Oral Surgical Procedures: A Prospective Clinical Trial"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Arpit Singhal** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Himanshu Pratap Singh, M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Himanshu Pratap Singh M.D.S. Reader Department of Oral & Maxillofacial Surge Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Niranjanaprasad Indra B., M.D.S.
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Department of Oral and Maxillofacial
Surgery,
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Dr. Niranjanprasad Indra B. M.D.S. Professor Department of Oral & Maxillo-Facial Surgery Institute of Dental Sciences, Bareilly

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled "**Anesthetic Efficacy of 4% Articaine in Buccal Infiltration for Anesthetizing Maxillary Molar Teeth in Different Age Group Population: A Prospective Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Chayan Bhatt** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Dr. Niranjanprasad Indra B. MDS,
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Supervisor

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Co-Supervisors

Signature
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Reader
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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled "**Efficacy of High Resonance Ultrasonography in Odontogenic Space Infection: A Prospective Clinical Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Oruba Anjum** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. S. Gokkulakrishnan,
M.D.S, FAM, FICOI, PhD
Professor & Head,
Department of Oral and Maxillofacial Surgery,
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Dr. S. Gokkulakrishnan
MDS, FAM, FICOI, PhD
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Co-Supervisors

Signature
Dr. Archana Chaurasia, M.D.S.
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Institute of Dental Sciences, Bareilly.

Signature
Dr. Pramod Kumar, M.D.
Professor & Head,
Department of Radiodiagnosis,
Rohilkhand Medical College and Hospital, Bareilly.

Professor & Head
Deptt. of Radiodiagnosis
Rohilkhand Medical College & Hospital
Bareilly

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Evaluate the Anxiolytic Effect of Midazolam in Maxillofacial Space Infections: A Case Control Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Saloni Bansal** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. S. Gokkulakrishnan,
M.D.S. FAMLO OL MIPS. Ph.D.
Professor & Head,
Department of Oral and Maxillofacial Surgery,
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Co-Supervisors

Signature
Dr. Niranjanaprasad Indra B, M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Malti Agarwal, M.D.
Professor & Head,
Department of Anesthesia,
Rohilkhand Medical College and Hospital, Bareilly.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISORS

This is to certify that the research work entitled **"Crestal Bone Analysis Around the Implants with or without Use of Platelet Rich Fibrin: A Prospective Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral and Maxillofacial Surgery)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Sourav Mukherjee** under our direct supervision and guidance in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Dr. Niranjanprasad Indra B. MDS.
Professor
Department of Oral & Maxillo-Facial Surgery,
Institute of Dental Sciences, Bareilly

Supervisor

Signature
Dr. Niranjanaprasad Indra B., M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Co-Supervisors

Dr. Ashish Aggrawal
M.D.S.
PROFESSOR & HEAD
Department of Oral Medicine And Radiology
Institute of Dental Sciences, Bareilly

Signature
Dr. Himanshu Pratap Singh, M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Himanshu Pratap Singh
M.D.S.
Reader
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

Signature
Dr. Ashish Aggrawal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled "**Assessment of Pulp Chamber Morphology of Primary Teeth using Spiral Computed Tomography: An Analytical Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Priya Maheshwari** under our direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under my direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by me.

Anshul 23/3/2024

Supervisor

Signature
Dr. Anshul, M.D.S.
Professor,
Department of Pediatric and Preventive Dentistry,
Institute of Dental Sciences, Bareilly

Dr. Anshul, M.D.S.
Professor,
Department of Pediatric and Preventive Dentistry
Institute of Dental Sciences, Bareilly

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled "**Comparative Evaluation of Different Obturation Techniques in Primary Molars: A Randomized Clinical Trial**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Rasleen Dua** under our direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
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Principal, Prof. & Head,
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Dr. Pallavi Vashisth, M.D.S.
Professor
Department of Pediatric and Preventive De
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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Sealing Ability of Three Different Furcal Perforation Repair Materials: An In-Vitro Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Pediatric and Preventive Dentistry)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Sriparna De** under our direct supervision and guidance in the **Department of Pediatric and Preventive Dentistry**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Supervisor

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Vertical Dimension by Conventional, Cephalometric Angular Reconstruction and Electromyographic Methods in Edentulous Subjects: An In-Vivo Analytical Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Aishwarya Mahajan** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

SUPERVISOR

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Dr. CHANDANA NAIR
M.D.S
Professo
Regd.No. A-536

Deptt. of Prosthodontics And Crown & Bridg
Institute of Dental Sciences, Bareil

CO-SUPERVISOR

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Fracture Resistance with Three Different Post Systems: An In-Vitro Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Anchal Prakash** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. She has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate herself and observations recorded were periodically checked and verified by us.

Supervisor

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Dr. Chetan Luniyal, M.D.S
Reader
Department of Prosthodontics and Crown
Institute of Dental Sciences, Bareilly

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Evaluation of Fracture Resistance and Flexural Strength of Fiber Reinforced Composite Fixed Partial Denture with Different Preparation Designs: An Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Ingle Vinayak Trimbak** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
Dr. Alok Kumar, M.D.S.
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Department of Prosthodontics
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Co-Supervisor

Signature
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Department of Prosthodontics and
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Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

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CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Radiographic Evaluation of Crestal Bone Loss after Implant Placement: An In-Vivo Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Koustav Maity** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

Signature
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Professor & Head,
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Co-Supervisors

Signature
Dr. Nivedita Dixit, M.D.S.
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Institute of Dental Sciences, Bareilly.

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

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This is to certify that the facilities for the research work entitled **"Comparative Evaluation of Marginal Microleakage in Three Different Veneer Restorations: An In-Vitro Experimental Study"** allotted to **Dr. Sonal Srivastava** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Anip Kumar Roy, M.D.S.
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Co-Supervisor

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Signature
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Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Comparative Evaluation of Retention in Cement Retained Implant Prostheses with Screw Access Channel Versus Without Screw Access Channel: An In-Vitro Experimental Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Prosthodontics and Crown & Bridge)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Vivek** under our direct supervision and guidance in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

SUPERVISOR

Signature
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CO-SUPERVISOR

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Dr. Chetan Luniyal, M.D.S.
Senior Lecturer,
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BAREILLY INTERNATIONAL UNIVERSITY

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Email : info@rmcbareilly.com, info@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2280
Date: 5th Aug 2022

Dr. Arjun Singh
PG Student
Department of Public Health Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear
You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2021-22. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	**Assessment of Oral Health Status Among Soft Drink Factory Workers of Bareilly City: A Cross Sectional Study**
Supervisor	**Dr. Chanchal Gangwar**
Co- Supervisor	**Dr. Shivalingesh K. K.**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.
You shall submit six monthly progress report of the work done with college time to time.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University by Mid Nov 2023.

Bareilly International University Bareilly Pin-243006

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR

This is to certify that the research work entitled "**Association Between Occupational Stress, Nicotine Dependence and Oral Health Status Among Night Security Guards in Bareilly City: A Cross Sectional Study**" which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Public Health Dentistry)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Sarthak Gupta** under our direct supervision and guidance in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under my direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by me.

SUPERVISOR

Signature
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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Institute of Dental Sciences, Bareilly

CERTIFICATE BY THE SUPERVISOR & CO-SUPERVISOR

This is to certify that the research work entitled **"Immunohistochemical Expression of Stathmin in Oral Potentially Malignant Disorders and Squamous Cell Carcinoma: An Observational Study"** which is being submitted as a thesis in the partial fulfillment for **M.D.S. (Oral Pathology and Microbiology)** Examination, 2024 of Bareilly International University, Bareilly, has been carried out by **Dr. Sadiq Siddiqui** under our direct supervision and guidance in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly. He has worked in the department independently under our direction.

The techniques and methodology embodied in this thesis have been undertaken by the candidate himself and observations recorded were periodically checked and verified by us.

Supervisor

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Dr Madhusudan Astekar MDS, Ph D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effect of Local Drug Delivery in Chronic Generalized Periodontitis Patients by Tetracycline Fibers and Acmella Oleracea Gel as an Adjunct to Scaling and Root Planing: A Clinical Comparative Study"** allotted to **Dr. Aishwarya Kumar** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Jaishree Garg, M.D.S.
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DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

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This is to certify that the facilities for the research work entitled **"Oral Health Related Quality of Life in Different Stages of Periodontitis Patients: A Cross-Sectional Study"** allotted to **Dr. Indrani Bharadwaj** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Manvi Chandra Agarwal, M.D.S.
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Co Supervisor

Signature
Dr. Prerna Agarwal, M.D.S.
Reader,
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Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisors

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled "Measurement of Bite Force and Its Correlation with Clinical Parameters in Patients at Different Stages of Periodontitis: An Observational Study" allotted to Dr. Pragati Rathore under my/our supervision and guidance do exist in the Department of Periodontology & Implantology, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature

Dr. Manvi Chandra Agarwal, MDS
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Co-Supervisor

Signature

Dr. Ashutosh Agarwal, MDS
Reader,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Assessing the Effectiveness of Phase-I Therapy on Interleukin-17 Levels in Smokers and Non-Smokers with Chronic Periodontitis: A Clinical Trial"** allotted to **Dr. Sharmistha Majumder** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rika Singh, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Akanksha Singh, M.D.S.
Reader,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Hyaluronic Acid with Amniotic Membrane in Treatment of Gingival Recession Defects: A Clinical Trial"** allotted to **Dr. Sohini Dingal** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rika Singh, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Geetika Kumar, M.D.S.
Senior Lecturer,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

Digitally signed by SUSHIL KUMAR THAKUR
DN: C=IN, O=Personal, PostalCode=302033, S=Rajasthan, SERIALNUMBER=C973379113FC8D793F2708FC9D687F06B89F4196B9325326C00EECB6FEC22CC0, CN=SUSHIL KUMAR THAKUR
Reason: your signing reason here
Location: your signing location here
Date: 2024.09.23 21:43:42+05'30'
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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Assessment of Periodontal Status and Psychological Parameters in Pre and Post Menopausal Women - An Observational Study"** allotted to **Dr. Somya Tiwari** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Jaishree Garg, M.D.S.
Professor,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Geetika Kumar, M.D.S.
Senior Lecturer,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR
Digitally signed by SUSHIL KUMAR THAKUR
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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. Act 26 of 2016)
Pilibhit Bypass Road, Bareilly-243006 (U.P) India
Phone : 0581-2526051, 053, 153
Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2796
Date: 3rd June, 2023

Dr. Aakansha Anthwal
PG Student,
Department of Orthodontics and Dentofacial Orthopedics,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Assessment of Different Factors Associated with Pathologic Tooth Migration and the Need for Orthodontic Treatment in Subjects with Various Stages of Periodontitis – An Observational Study"**
Supervisor	:	**Dr. Ankur Gupta**
Co- Supervisor	:	**Dr. Dhruv Tiwari**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Bareilly International University ★ Bareilly ★ Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

SUSHIL KUMAR THAKUR

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BIU/REG/30/2797
Date: 3rd June, 2023

Dr. Abhishek Singh
PG Student,
Department of Orthodontics and Dentofacial Orthopedics,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Comparative Assessment of Clinical Effectiveness and Patient Acceptability of Hawley and Vacuum-Formed Retainers - An Analytical Study"**
Supervisor	:	**Dr. Preeti Bhattacharya**
Co- Supervisor	:	**Dr. Shivani Singh**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

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BIU/REG/30/2798
Date: 3rd June, 2023

Dr. Umi Mittal
PG Student,
Department of Orthodontics and Dentofacial Orthopedics,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Assessment of Orthodontic Treatment Need and Oral Health Related Quality of Life of 11-14 year Children in Bareilly Region: An Observational Study"**
Supervisor	:	**Dr. Anil Kumar Chandna**
Co- Supervisor	:	**Dr. Ravi Bhandari**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

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Bareilly International University Registrar Bareilly

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BIU/REG/30/2799
Date: 3rd June, 2023

Dr. Fatima Injela Khan
PG Student,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Radiographic Evaluation of Anterior Loop in Inferior Alveolar Nerve using Cone Beam Computed Tomography: An Observational Study"**
Supervisor	:	**Dr. Ashish Aggarwal**
Co- Supervisor	:	**Dr. Sowmya GV**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Bareilly International University Registrar Bareilly

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Comparative Evaluation of Simple Interrupted Suture with and without Platelet rich fibrin Matrix: A Clinical Trial"** allotted to **Dr. Deeksha Sharma** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Dr. Niranjanaprasad Indra B. MDS
Professor,
Department of Oral & Maxillo-Facial Surgery,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Niranjanaprasad Indra B., M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Archana Chaurasia, M.D.S., Ph.D.
Reader,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"A Clinical Trial Evaluating the Efficacy of Bone Graft with or without Platelet Rich Fibrin in Implant Patients"** allotted to **Dr. Deep Chakrabortty** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Dr. Himanshu Pratap Singh, M.D.S.
Reader,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Bhart Vashishat, M.D.S.
Senior Lecturer,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Efficacy of Arthrocentesis with and without Injectable Platelet Rich Fibrin in Treatment of Internal Derangement of Temporomandibular Joint: A Clinical Trail"** allotted to **Dr. Jayant Verma** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Dr. S. Gokkulakrishnan
MDS, FAM, FICOI, PhD
Professor & Head,
Department of Oral & Maxillofacial Surgery,
Institute Of Dental Sciences, Bareilly.

Dr. S. Gokkulakrishnan
M.D.S. FAM, FICOI, MIPS, Ph.D.
Professor & Head,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Archana Chaurasia, M.D.S., Ph.D.
Reader,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"A Clinical Trial Comparing the Efficacy of Microneedling with and without Injectable Platelet Rich Fibrin in the Treatment of Hypertrophic and Atrophic Scars"** allotted to **Dr. Sabnam Ahmed** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. S. Gokkulakrishnan
M.D.S. FAM, FICOI, MIPS, Ph.D.
Professor & Head,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. S. Gokkulakrishnan
MDS, FAM, FICOI, PhD
Professor & Head,
Department of Oral & Maxillofacial Surgery,
Institute Of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Jitendra Kumar Diwakar, M.D.S.
Senior Lecturer,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Treating Oral Mucosal Lesion Using Collagen Matrix with or without the use of Platelet Rich Fibrin: A Randomized Control Trial"** allotted to **Dr. Shruti Tyagi** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Niranjanaprasad Indra B., M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Niranjanaprasad Indra B. MDS
Professor,
Department of Oral & Maxillo-Facial Surg
Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Bhart Vashishat, M.D.S.
Senior Lecturer,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2805
Date: 3rd June, 2023

Dr. Shyam Sundrani
PG Student,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Clinical Outcomes of Compartmental Resection of Infratemporal Fossa for cT4b Carcinoma in Oral Cancer Cases: An Analytical Study"**
Supervisor	:	**Dr. Anurag Yadav**
Co- Supervisor	:	**Dr. Arjun Agarwal** **Dr. Himanshu Pratap Singh** **Dr. Aamir Malick Saifi** **Dr. Jitendra Kumar Diwakar**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Bareilly International University Registrar Bareilly

Copy to Principal, Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Immunohistochemical Expression of Stathmin in Odontogenic Lesions and its Correlation with Cellular Proliferation: An Observational Study"** allotted to **Dr. Sonal Upadhyay** under our own supervision and guidance do exist in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

Signature
Dr. Madhusudan Astekar, M.D.S.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Gaurav Sapra, M.D.S.
Professor,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Marginal Fit and Microleakage in DMLS Versus CAD-CAM Crown with Different Luting Cements"** allotted to **Dr. Srashti Singh** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Nivedita Dixit, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. Nivedita Dixit, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly

Co-Supervisors

21/3/24

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

21/3/24

Signature
Dr. Shikha Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. Shikha Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly

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DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Comparison of pH, Uric Acid and C-Reactive Protein Levels in Saliva of Conventional and Chitosan Nanoparticle Incorporated Complete Denture Patients: An In-Vivo Experimental Study"** allotted to **Dr. Chanchal Anand** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Anip Kumar Roy, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Chetan Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effect of Disinfective Agents on the Compressive Strength of Type IV Gypsum Product: An In-Vitro Experimental Study"** allotted to **Dr. Md. Hamza Abrar** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Alok Kumar, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Prof. (Dr.) Alok Kumar
Department of Prosthodontics
Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Nivedita Dixit, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Antimicrobial Effectiveness and Linear Dimensional Stability in Irreversible Hydrocolloid Impression Material with Nanoparticles: An Experimental Study"** allotted to **Dr. Sanskriti Rautela** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Co-Supervisors

Signature
Dr. Nivedita Dixit, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Deepika Verma, M.D.
Professor,
Department of Microbiology,
Rohilkhand Medical College and Hospital,
Bareilly.

SUSHIL KUMAR THAKUR
Digitally signed by SUSHIL KUMAR THAKUR
DN: C=IN, O=Personal, PostalCode=302033, S=Rajasthan, SERIALNUMBER=C973379113FC8D793F2708FC9D687F06B89F4196B9325326C00EECB6FEC22CC0, CN=SUSHIL KUMAR THAKUR
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Date: 2024.09.23 21:43:42+05'30'
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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Comparative Evaluation of Marginal Fit for Recorded Impressions From Dissimilar Surface Treatment on the Implant Open Tray Impression Coping: An Observational Study"** allotted to **Dr. Saurabh Agarwal** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature 26/9/2023
Dr. M K Singhal, M.D.S.
Professor & Head,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

I.D.S. Bareilly
Department of Prosthodontics
Head of the Department
Department of Prosthodontics
I.D.S. Bareilly

Co-Supervisor

Signature
Dr. Nivedita Dixit, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Stereomicroscopic Evaluation of Marginal Accuracy of Casted Abutment from Model Scan Body: An Observational Study"** allotted to **Dr. Sonali Garg** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. M. K. Singhal, M.D.S.
Professor & Head,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Head of the Department
Department of Prosthodontics
I.D.S. Bareilly

Co-Supervisors

Signature 26/4/23
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

Signature
Dr. Chetan Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled "Comparative **antibacterial effect of *Camellia sinensis* and *Psidium guajava* extract mouthwash against Streptococcus mutans and its Molecular Characterization: A Randomized Controlled Trial"** allotted to **Dr. Jyochhna Rani Sahoo** under my our supervision and guidance do exist in the **Department of Public Health Dentistry**, Institute of Dental Sciences, Bareilly. I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Shivalingesh K.K., M.D.S.
Professor & Head,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

Co-supervisor

Signature
Dr. Chanchal Gangwar, M.D.S.
Reader,
Department of Public Health Dentistry,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30 /2023/
Date: 1st June, 2023

Dr. Palak Gangwar
PG Student,
Department of Public Health Dentistry,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Effectiveness of BioMin, NovaMin, Syzygium aromaticum, strontium chloride hexahydrate and potassium nitrate in hypersensitivity treatment: A Randomized Controlled Trial"**
Supervisor	:	**Dr. Chanchal Gangwar**
Co- Supervisor	:	**Dr. Saima Ali**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

SUSHIL KUMAR THAKUR

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30[illegible]
Date: 3rd June, 2023

Dr. Pallavi Patel
PG Student,
Department of Public Health Dentistry,
Institute of Dental Sciences,
Bareilly

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Assessment of Various aromatherapies among patients having dental anxiety: A Randomized Controlled Trial"**
Supervisor	:	**Dr. Shivalingesh K.K**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University * Registrar * Bareilly

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Antibacterial Efficacy of Novel Root Canal Irrigant with Vehicles Against Staphylococcus Aureus and Enterococcus Faecalis: An in-vitro Experimental Study"** allotted to **Dr. Sharma Alka Shankarprasad** under my our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Tanu Morya, M.D.S.
Senior Lecturer,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR
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BIU/REG/30/2818
Date: 3rd June, 2023

Dr. Sana Saifi
PG Student,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Comparative Evaluation of Apical Bacterial Leakage With Two Different Bioceramic Root End Filling Materials: An In Vitro Experimental Study"**
Supervisor	:	**Dr. Chandra Vijay Singh**
Co- Supervisor	:	**Dr. Anmol Mehrotra**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Push Out Bond Strength Evaluation of Different Root Canal Sealers Under Distinctive Moisture Conditions: An In Vitro Observational Study"** allotted to **Dr. Shubham Shukla** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Dr. Manoj Hans, M.D.S.
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

Supervisor

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry And Endodontics
Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Stereomicroscopic Evaluation of Sealing Ability Among Various Root Canal Sealers: An In Vitro Observational Study"** allotted to **Dr. Soumya Mishra** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics, Institute** of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Dr. Manoj Hans, M.D.S.
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

26/4/

Supervisor

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral Pathology

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effect of Various Irrigating Solutions on the Push-Out Bond Strength in Calcium Silicate Based Furcal Perforation Repair Materials: An In Vitro Observational Study"** allotted to **Dr. Sumant Raj** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Anurag Singhal, M.D.S.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Saummya Singh, M.D.S.
Senior Lecturer,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Stereomicroscopic Evaluation Of Dentinal Microcracks After Instrumentation With Rotary And Reciprocating Files System- An *In Vitro* Observational Study"** allotted to **Dr. Vaishnavi Gupta** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisors

14/4/23

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

14/4/23

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2823
Date: 3rd June, 2023

Dr. Joyroop Ghosh
PG Student,
Department of Pediatric and Preventive Dentistry,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Shear Bond Strength Comparison for Various Luting Materials used in the cementation of Space Maintainers: An Analytical Study"**
Supervisor	:	**Dr. Pallavi Vashisth**
Co- Supervisor	:	**Dr. Shivangi Shrma**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University ★ Registrar ★ Bareilly

SUSHIL KUMAR THAKUR

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BIU/REG/30/2824
Date: 3rd June, 2023

Dr. Patil Vidhina Bapurao
PG Student,
Department of Pediatric and Preventive Dentistry,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Comparative Evaluation of Zinc Oxide - Eugenol with Zinc Oxide - Myristica Fragrans Oil Mixture and Zinc Oxide - Ozonated Oil Mixture as Obturating Materials in Primary Molars: A Randomized Clinical Trial"**
Supervisor	:	**Dr. Sathyajith Naik N**
Co- Supervisor	:	**Dr. Shivangi Shrma**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

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Bareilly International University Registrar Bareilly

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/2825
Date: 3rd June, 2023

Dr. Surbhi Saxena
PG Student,
Department of Pediatric and Preventive Dentistry,
Institute of Dental Sciences,
Bareilly.

Subject: MDS Synopsis Acceptance

Dear

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2022-23. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title : **"Comparative Evaluation of Calcium Ion Release and pH Changes among Three Intracanal Medicaments in Simulated Periapical Environment- An Observational Study"**

Supervisor : **Dr. Anshul**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 4 copies to the University at least six months prior to the examinations.

Registrar

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Bareilly International University ★ Registrar ★ Bareilly

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/3419
Date: 18th April, 2024

Dr. Akanksha Varshney
PG Student
Department of Public Health Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Assessment of Compressive Strength and Diametral Tensile Strength of Four Different Restorative Materials: An In Vitro Study"**
Supervisor	:	**Dr. Chanchal Gangwar**
Co- Supervisor	:	**Dr. Shivlingesh K.K**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

SUSHIL KUMAR THAKUR

Digitally signed by SUSHIL KUMAR THAKUR
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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled "**Comparative evaluation of various analgesics in post operative pain management after implant placement: A randomized clinical trial**" allotted to **Dr. Alok Chauhan** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Manvi Chandra Agarwal, M.D.S.
Professor,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Ashutosh Agarwal, M.D.S.
Reader,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. Act 26 of 2016)
Pilibhit Bypass Road, Bareilly-243006 (U.P) India
Phone : 0581-2526051, 053, 153
Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/ 3426
Date: 18th April, 2024

Dr. Anjali Gupta
PG Student
Department of Public Health Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Effect of Plantago Major, Curcuma Longa and Chlorhexidine Mouthwash on Gingivitis and Dental Plaque in Adults of Bareilly: A Randomized Cross-Over Clinical Trial"**
Supervisor	:	**Dr. Shivlingesh K.K**
Co- Supervisor	:	**Dr. Jyotsana Singh**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University * Registrar * Bareilly

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Certificate by the Supervisor

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Assessment of Inferior Alveolar Nerve Canal Orientation in Mandibular Posterior Region using Cone Beam Computed Tomography: An Analytical Study"** allotted to **Dr. Arifa Naaz** under my supervision and guidance do exist in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly.

I will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Nitin Upadhyay, M.D.S.
Professor,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

Dr. Nitin Upadhyay
M.D.S.
Professor
Department of Oral Medicine and Radiology
Institute of Dental Science, Bareilly

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled "Assessing Interleukin-1β levels in psoriasis patients with and without periodontitis: A cross sectional study" allotted to **Dr. Arya Mishra** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rika Singh, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Chloride Intracellular Channel 4 Expression in Potentially Malignant Disorders, Verrucous Carcinoma and Squamous Cell Carcinoma of Oral Cavity: An Observational Study"** allotted to **Dr.Banshika** under our own supervision and guidance do exist in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor& Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Madhusudan Astekar
MDS, Ph.D.
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences, Bareilly

Co-Supervisors

27/3/24

Signature
Dr. Ashutosh Agarwal, M.D.S.
Professor,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Ashutosh Agarwal
Professor
Department of Oral Pathology & Microbiology
Institute of Dental Sciences Bareilly (U. P.)

27/3/24

Signature
Dr. Aditi Murari, M.D.S.
Professor,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Aditi Murari, M.D.S.
Professor
Department of Oral Pathology & Microbiology
Institute of Dental Sciences Bareilly (U. P.)

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"The Effect of Different Flowable Materials on Microleakage at Gingival seat of Class II Composite Resin Restoration: An In-Vitro Observational Study"** allotted to **Dr. Debipriya Ghosh** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisors

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Lalit Kumar Agarwal, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. Act 26 of 2016)
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Phone : 0581-2526051, 053, 153
Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/941
Date: 18th April, 2024

Dr. Deepika Yadav
PG Student
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Comparative Analysis of Bracket Transfer Accuracy with Various Indirect Bonding Techniques: An Observational Study"**
Supervisor	:	**Dr. Anil Kumar Chandna**
Co- Supervisor	:	**Dr. Ravi Bhandari**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Analysis of Fracture Resistance Among Three Resin Composite Core Buildup Materials: An In-Vitro Experimental Study"** allotted to **Dr. Devanshi Palariya** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Alok Kumar, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Prof. (Dr.) Alok Kumar
Department of Prosthodontics
Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Chetan Luniyal, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. Chetan Luniyal, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Immunohistochemical Expression of Polyoma Enhancer Activator 3 in Odontogenic Cysts and Tumors: An Observational Study"** allotted to **Dr. Disha Naresh** under our own supervision and guidance do exist in the **Department of Oral Pathology and Microbiology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

Co-Supervisor

Signature
Dr. Gaurav Sapra, M.D.S.
Professor,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Gaurav Sapra, M.D.S.
Professor
Department of Oral Pathology & Microbiology
Institute of Dental Sciences, Bareilly (U.P.)

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Evaluation of Shear Bond Strength and Mode of Fracture Between Biodentine to Composite Resin using Various Bonding Agents: An Observational Study"** allotted to **Dr. Harish Harlalka** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Co-Supervisors

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
Professor & Head MDS, Ph D
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

Signature
Dr. Lalit Kumar Agarwal, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR
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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Colour Stability of Resin Based Temporary Restorative Materials when Immersed in Natural and Artificially Prepared Solutions: An In-Vitro Observational Study"** allotted to **Dr. Harpreet Kaur** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. M. K. Singhal, M.D.S.
Professor & Head,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. M. K. Singhal
Prof. & Head
Dept. of Prosthodontics
Institute Of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Alok Kumar, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Prof. (Dr.) Alok Kumar
Department of Prosthodontics
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effect of Rotary and Reciprocating Motion on the Dentin Thickness at the Danger Zone of Mandibular Molars using-Cone Beam Computed Tomography: An Observational Study"** allotted to **Dr. Ipsita Mangla** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Manoj Hans, M.D.S.
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

Co-Supervisors

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,

Dr. Ashish Aggarwal
M.D.S.
PROFESSOR & HEAD
Department of Oral Medicine And Radiology
Institute of Dental Sciences, Bareilly

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey M.D.S.
Reader,
Department of Conservative Dentistry And Endodontics
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Role of Dynamic Compression Plating Principle in Miniplate Osteosynthesis for Treatment of Mandibular Anterior Fractures: An Interventional Study"** allotted to **Dr. Jiyanshu Raj** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Niranjanaprasad Indra B., M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Niranjanprasad Indra B. MDS.
Professor
Department of Oral & Maxillo-Facial Surgery,
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Rotary and Reciprocating Instruments with Different Taper in the Development of Microcracks During Root Canal Preparation: An In-Vitro Observational Study"** allotted to **Dr. Jyoti Singh** under my our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry And Endodontics
Institute of Dental Sciences, Bareilly

Co-Supervisors

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Manoj Hans, M.D.S.
Professor & Head
Conservative Dentistry and Endodontics
Institute of Dental Sciences, Bareilly

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr. Madhusudan Astekar
MDS, Ph.D.
Professor & Head
Department of Oral Pathology & Microbiology
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"CONE BEAM COMPUTED TOMOGRAPHIC EVALUATION OF SUBMANDIBULAR GLAND FOSSA DEPTH AND ITS RELATION TO INFERIOR ALVEOLAR NERVE CANAL: AN ANALYTICAL STUDY"** allotted to **Dr. K.B.A. Kader** under my supervision and guidance do exist in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly.

I will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Radial Free Forearm Flap Versus Anterolateral Thigh Flap in Head & Neck Reconstruction: An Analytical Comparative Study"** allotted to **Dr. Kamil Khan** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Anurag Yadav, M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Anurag Yadav
M.D.S., Ph.D.
Professor
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

Co-Supervisors

Signature
Dr. Arjun Agarwal,
M.S., M.ch
Professor,
Department of Oncology,
Rohilkhand Medical College & Hospital, Bareilly.

Dr. Arjun Agarwal M.Ch.
Department of Oncology
Rohilkhand Medical College & Hospital
Bareilly U.P. Reg. No. 32068

Signature
Dr. Himanshu Pratap Singh,
M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences,
Bareilly.

Dr. Himanshu Pratap Singh
M.D.S.
Reader
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

Signature
Dr. Aamir Malick Saifi,
M.D.S. Fellow (Head & Neck Oncology)
Senior Lecturer,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences,
Bareilly.

Dr. Aamir Malick Saifi
M.D.S.
Senior Lecturer
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

SUSHIL KUMAR THAKUR
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Certificate by the Supervisor

DEPARTMENT OF PERIODONTOLOGY AND IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Titanium platelet rich fibrin vs connective tissue graft with coronally advanced flap for treating gingival recession defects: An interventional study"** allotted to **Dr. Kavya Khulbe** under my/our supervision and guidance do exist in the **Department of Periodontology and Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which confirms to the standards of Bareilly International University.

Supervisor

Signature

Dr. Rika Singh, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Assessment of Facial Nerve Injury in Maxillofacial Region Following Extraoral Surgical Approaches: An Observational Study"** allotted to **Dr. Khushnud Alam** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Himanshu Pratap Singh, M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Himanshu Pratap Singh
M.D.S.
Reader
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effectiveness of Various Retreatment File System for Removing Gutta Percha During Retreatment using Cone Beam Computed Tomography: An In Vitro Study"** allotted to **Dr. Mainak Datta** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Lalit Kumar Agarwal, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Lalit Kumar Agarwal, M.D.S.
Reader
Department Of Conservative Dentistry & Endodontics

Co-Supervisors

Signature
Dr. Ashish Aggarwal, M.D.S.
Professor & Head,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

Dr. Ashish Aggarwal
M.D.S.
PROFESSOR & HEAD
Department of Oral Medicine And Radiology
Institute Of Dental Sciences, Bareilly

Signature
Dr. Chandra Vijay Singh, M.D.S.
Professor,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Chandra Vijay Singh, M.D.S.
Professor
Department of Conservative Dentistry & Endodontics
Institute Of Dental Sciences, Bareilly

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled " **EVALUATING INTERLEUKIN-21 LEVELS IN CHRONIC PERIODONTITIS PATIENTS BEFORE & AFTER PERIODONTAL THERAPY- A CLINICAL STUDY**"allotted to Dr. Mayank Awasthi under my/our supervision and guidance do exist in the Department of Periodontology & Implantology, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Rika Singh, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

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BAREILLY INTERNATIONAL UNIVERSITY

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Phone : 0581-2526051, 053, 153
Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/3428
Date: 18th April, 2024

Dr. Meghna Bhargava
PG Student
Department of Pediatric and Preventive Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title : **"Comparative Evaluation of Different Teeth Whitening Agents on Extrinsic Stains: An In-Vitro Observational Study"**

Supervisor : **Dr. Pallavi Vashisth**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Effect of Dentin Sealing Procedures on the Shear Bond Strength of Laminate Veneers with Different Surface Treatments: An In Vitro Study"** allotted to **Dr. Monika** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature 27/3/24
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. CHANDANA NAIR
M.D.S.
Professor
Regd.No. A-3389
Deptt. of Prosthodontics And Crown & Bridge
Institute of Dental Sciences, Bareilly

Co-Supervisors

Signature 27/3/24
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph.D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences, Bareilly

Signature
Dr. Chetan Luniyal, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. Chetan Luniyal, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Role of Platelet Rich Fibrin and Plasma in Assessing the Postoperative Complications and Healing after Surgical Extraction: A Randomized Controlled Study"** allotted to **Dr. Namrata Singh** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. S. Gokkulakrishnan,
M.D.S. FAM, FICOI, MIPS, Ph.D.
Professor & Head,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. S. Gokkulakrishnan
MDS. FAM, FICOI, PhD
Professor & Head,
Department of Oral & Maxillofacial Surgery
Institute Of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Marginal and Internal Adaptation of Three Different Materials for Endocrown Fabrtication – An In-Vitro Experimental Study"** allotted to **Dr. Nishant Mathew** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Co-Supervisors

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Signature
Dr. Chetan Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR
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BIU/REG/30/3416
Date: 18th April, 2024

Dr. Oza Anup Anil
PG Student
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Assessment of Cytotoxicity Among Thermoplastic and Acrylic Materials Used in Fixed Orthodontic Treatment: An Observational Study"**
Supervisor	:	**Dr. Ankur Gupta**
Co- Supervisor	:	**Dr. Madhusudan Astekar**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Bareilly International University ★ Registrar ★ Bareilly

Copy to Principal, Institute of Dental Sciences, Bareilly

SUSHIL KUMAR THAKUR

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/3429
Date: 18th April, 2024

Dr. Payak Resham Ravindra
PG Student
Department of Pediatric and Preventive Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title : **"Spectrophotometric Evaluation of Coronal Discoloration By Different Intracanal Medicaments: An In-Vitro Observational Study"**

Supervisor : **Dr. Anshul**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University Registrar Bareilly

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Influence Of Various Chelating Agents On The Microhardness Of Dentin In Root Canals - An Observational Study"** allotted to **Dr. R. H. Reiveinai** under my/our supervision and guidance do exist in the **Department of Conservative Dentistry and Endodontics**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Manoj Kumar Hans, M.D.S.
Professor & Head,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Manoj Hans, M.D.S.
Professor & Head
Conservative Dentistry and Endodontics
Bareilly

Co-Supervisor

Signature
Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry and Endodontics,
Institute of Dental Sciences, Bareilly.

Dr. Rahul Pandey, M.D.S.
Reader,
Department of Conservative Dentistry And Endodontics
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled "**Association of Interleukin-35 Levels in Gingival Crevicular Fluid in Periodontal Health and Disease: A Comparative Study**" allotted to **Dr. Radhika Singh** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Akanksha Singh, M.D.S.
Reader,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Rika Singh, M.D.S.
Professor & Head,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

SUSHIL KUMAR THAKUR
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Certificate by the Supervisor/ Co-Supervisors

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Comparative Evaluation of Marginal Accuracy of Zirconia Crown Fabricated by using Conventional Impression and Intra oral Digital Impression Technique: An Observational Study"** allotted to **Dr. Ritwik Singh** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. M. K. Singhal, M.D.S.
Professor & Head,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. M. K. Singhal
Prof. & Head
Dept. of Prosthodontics
Institute Of Dental Sciences, Bareilly

Co-Supervisors

Signature
Dr. Madhusudan Astekar, M.D.S., Ph.D.
Professor & Head,
Department of Oral Pathology and Microbiology,
Institute of Dental Sciences, Bareilly.

Dr Madhusudan Astekar
MDS, Ph D
Professor & Head
Department of Oral & Maxillofacial Pathology
Institute of Dental Sciences Bareilly

Signature
Dr. Chetan Luniyal, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

Dr. Chetan Luniyal, M.D.S.
Reader,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Platelet Rich Plasma Versus Injectable Platelet Rich Fibrin on Promoting Hair Regrowth in Individuals with Androgenic Alopecia: A Randomized Controlled Study"** allotted to **Dr. Sanyam Jain** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. S. Gokkulakrishnan,
M.D.S. FAM, FICOI, MIPS, Ph.D.
Professor & Head,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly

Dr. S. Gokkulakrishnan
MDS, FAM, FICOI, PhD
Professor & Head,
Department of Oral & Maxillofacial Surgery
Institute Of Dental Sciences, Bareilly.

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Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/342
Date: 18th April, 2024

Dr. Shambhavi Shrivastav
PG Student
Department of Public Health Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Effect of Oil Pulling With Various Oils in the Management of Oral Sub Mucous Fibrosis Patients in Bareilly: A Randomized Controlled Study"**
Supervisor	:	**Dr. Shivlingesh K.K**
Co- Supervisor	:	**Dr. Chanchal Gangwar**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University * Registrar * Bareilly

SUSHIL KUMAR THAKUR

Digitally signed by SUSHIL KUMAR THAKUR
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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Evaluation of Compressive Strength and Antibacterial Property in Type 1 Glass Ionomer Cement after Addition with Graphene Nanoparticles: An In-Vitro Study"** allotted to **Dr. Shaz Imam** under my/our supervision and guidance do exist in the **Department of Prosthodontics and Crown & Bridge**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Chandana Nair, M.D.S.
Professor,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

27/3/24

Dr. CHANDANA NAIR
M.D.S.
Professor
Regd.No. A-8389
Dept. of Prosthodontics and Crown & Bridge
Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Shikha Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly.

27/3/24

Dr. Shikha Luniyal, M.D.S.
Senior Lecturer,
Department of Prosthodontics and Crown & Bridge,
Institute of Dental Sciences, Bareilly

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. Act 26 of 2016)
Pilibhit Bypass Road, Bareilly-243006 (U.P) India
Phone : 0581-2526051, 053, 153
Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/3480
Date: 18th April, 2024

Dr. Shilpa Kumari
PG Student
Department of Pediatric and Preventive Dentistry
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Evaluating the Effect of Acidic Beverage on the Surface Roughness of Various Pit and Fissure Sealants: An Invitro Observational Study"**
Supervisor	:	**Dr.Sathyajith Naik N**
Co- Supervisor	:	**Dr. Shivangi Sharma**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

Copy to Principal, Institute of Dental Sciences, Bareilly

Bareilly International University * Registrar * Bareilly *

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"Evaluation of Human Ghrelin Levels in Patients with Chronic Periodontitis before and after Non-Surgical periodontal therapy : An Experimental Trial"** allotted to **Dr. Shivani Gupta** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Prerna Agarwal, M.D.S.
Professor,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

Co-Supervisor

Signature
Dr. Geetika Kumar, M.D.S.
Senior Lecturer,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

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Certificate by the Supervisor

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"A Cone Beam Computed Tomographic Assessment of Mandibular Osteoporotic Alterations in Females Using Radiographic Indices: An Observational Study"** allotted to **Dr. Shreya Verma** under my supervision and guidance do exist in the **Department of Oral Medicine and Radiology**, Institute of Dental Sciences, Bareilly.

I will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Sowmya GV, M.D.S.
Professor,
Department of Oral Medicine and Radiology,
Institute of Dental Sciences, Bareilly.

Dr. Sowmya GV, M.D.S.
Professor,
Dept. of Oral Medicine and Radiology
Institute of Dental Sciences, Bareilly (U.P.)

SUSHIL KUMAR THAKUR

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Certificate by the Supervisor/ Co-Supervisor

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"assessment of stability and post-operative morbidity between 2 point and 3 point fixation in zygomaticomaxillary complex fracture: an interventional study"** allotted to **Dr. Suman Lata** under my/our supervision and guidance do exist in the **Department of Oral and Maxillofacial Surgery**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which conforms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Niranjanaprasad Indra B., M.D.S.
Professor,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Niranjanprasad Indra B. M.D.S.
Professor
Department of Oral & Maxillo-Facial Surgery,
Institute of Dental Sciences, Bareilly

Co-Supervisor

Signature
Dr. Jitendra Kumar Diwakar, M.D.S.
Senior Lecturer,
Department of Oral and Maxillofacial Surgery,
Institute of Dental Sciences, Bareilly.

Dr. Jitendra Kumar Diwakar
M.D.S
Senior Lecturer
Department of Oral & Maxillofacial Surgery
Institute of Dental Sciences, Bareilly

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Certificate by the Supervisor/Co-Supervisor

DEPARTMENT OF PERIODONTOLOGY & IMPLANTOLOGY

Institute of Dental Sciences, Bareilly

(Affiliated to Bareilly International University, Bareilly)

This is to certify that the facilities for the research work entitled **"COMPARATIVE EVALUATION OF ALVEOLAR CREST CHANGES AROUND IMMEDIATE DENTAL IMPLANT WITH PLATELET RICH FIBRIN VERSUS DEMINERALIZED FREEZE DRIED BONE ALLOGRAFT: A RADIOGRAPHIC STUDY"** allotted to **Dr. Tamim Ahmad** under my/our supervision and guidance do exist in the **Department of Periodontology & Implantology**, Institute of Dental Sciences, Bareilly.

I/we will ensure the authenticity of research methodology which confirms to the standards of Bareilly International University.

Supervisor

Signature
Dr. Jaishree Garg, M.D.S.
Professor,
Department of Periodontology & Implantology,
Institute of Dental Sciences, Bareilly.

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BAREILLY INTERNATIONAL UNIVERSITY

(Established Under Govt. of U.P. Act 26 of 2016)
Pilibhit Bypass Road, Bareilly-243006 (U.P) India
Phone : 0581-2526051, 053, 153
Email : info@biu.edu.in, registrar@biu.edu.in Website : www.biu.edu.in

BIU/REG/30/3412
Date: 18th April, 2024

Dr. Upasana Devi
PG Student
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Sciences
Bareilly.

Subject: MDS Synopsis Acceptance

Dear Student,

You were admitted to the Institute of Dental Sciences, Bareilly to pursue 3 years PG program MDS in the session 2023-24. Your synopsis in partial fulfillment of the course curriculum prescribed duly recommended by Institutional Research Committee is received by the University as per following details.

Title	:	**"Characteristics and Dynamics of Smile in Patients with Bimaxillary Dentoalveolar Protrusion Pre and Post Orthodontic Treatment: An Observational Study"**
Supervisor	:	**Dr. Preeti Bhattacharya**
Co- Supervisor	:	**Dr. Shivani Singh**

Since the University Ethical Committee has considered your synopsis as above and granted clearance, your synopsis stand accepted and approved by the University. You shall ensure to carry out the study strictly as listed in the synopsis. A copy of the approved synopsis is being made available for your ready reference.

You shall ensure for timely submission of completed dissertation duly bounded in 3 copies to the University at least six months prior to the examination.

Registrar

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Bareilly International University Registrar Bareilly

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