



# Bareilly International University

(Establishment Under Govt. of U.P. Act 26 of 2016)



## FELLOWSHIP IN **SPINE** SURGERY



Orthopedic candidates  
also get an exposure in  
**ARTHROPLASTY &  
TRAUMA CASES**  
in the department

(With Special Focus On Minimally Invasive, Robotic, Endoscopic & Navigation Spine Surgery)



# Fellowship Curriculum

Fellowship Duration: 2 Year

Observership Duration : 2, 4 ,8 Weeks

Spine department at Bareilly International University is a high volume spinal centre with nearly 150/day OPD and 400 surgeries annually. The surgical gamut includes minimally invasive, endoscopic, navigation and Conventional spine surgery. The fellow gets exposure & training in a wide spectrum of spine surgery techniques which includes:

## STATE OF THE ART EQUIPMENT IN DEPARTMENT

Globus Excelsins GPS Labs  
Operating Microscope Zeiss Pentero  
Medtronic O-Arm  
AERO Intra-operating CT-Scan  
Medtronic Stealth Station Neuro Navigation  
Stryker Spine Burr  
Misonix Ultrasonic Bone Scalpel  
Spine Endoscope Karl Storz, Joimax, Maxmore  
Allen Advance Jackson Spine Table  
Flat Panel C-Arm

Conventional Open Spine Surgeries  
Cervical Spine Surgeries  
Robotic Spine Surgery  
Minimally Invasive Spine Surgeries  
Tube Retractor Based Surgeries  
Full Endoscopic Spine Surgeries  
(Including - Cervical, Inter laminar, Trans-foraminal)  
Trans-foraminal Endofusion /OLLI  
O-Arm Guided 3D Navigation  
Pain Management Techniques  
Percutaneous Ballon Kyphoplasty  
Cadaver & Model Training Lab  
Neuromonitoring  
3D Printing  
Spine Surgery Under Local Anaesthesia

## REQUIREMENT

Eligibility Criteria: M.S./DNB/Diploma in Orthopaedics/Mch Neuro Surgery

The applicant must be eligible for registration with the Medical Council of India

Have completed their training in Orthopaedic/Neuro Surgery atleast 1 year post MS/DNB experience

## How to Apply:

Application to be submitted to [keshlatahospitalopd@gmail.com](mailto:keshlatahospitalopd@gmail.com) with:

1 Letter of Recommendation  
Detailed current curriculum vitae  
Attach any Peer reviewed publications

## SELECTION PROCESS

The selection process is purely merit based in which all the applicants for the fellowship program will be interviewed via video conferencing by the selection panel at a mutually agreed time once all the interviews are done the selected candidates will be informed via email or phone

## Salary

*As per eligibility for SR and AP in deptt.*

*Observer-No Salary*

**Accommodation (1) Available in university Hostel  
Lodging Free and Food as per hostel mess charges.  
(2) Paid Accommodation in University Guest House**



# Fellowship Philosophy

In the operation room, the fellows are exposed to a variety of traditional as well as cutting-edge surgical techniques. The fellows graduate with technical proficiency in spinal decompression, spinal instrumentation (both free-hand and using navigation), and advanced spinal reconstruction techniques (PSO, VCR and Multi-Level Corpectomies, Scoliosis Surgeries). Fellows are also trained in novel techniques such as minimally-invasive spine surgery (MIS TLIF and Endoscopic Spine Surgery), lateral access surgery lumbar & thoracic (lateral interbody fusion) and laminoplasty etc. In addition to the robust operative experience, fellows master comprehensive evaluation of the spine patient through mentored clinic experiences.

## Hands-on Experience

## Hybrid Learning

## Analytical Thinking

## Wide Clinical Exposure

## Univ. Accreditation

## Cadaver Lab

## About Course Director

Dr. Varun Agarwal is a consultant orthopaedic and spine specialist. He has established India's first Ortho-spine center with O-arm 3D navigation in Bareilly. He is the first spine surgeon in UP to do O-arm navigation based spine surgeries. He is the first spine specialist in Rohilkhand region to do tubular retractor based minimally invasive spine surgeries. His special interests are Minimally Invasive Spinal Surgery, cervical spine surgery, Key hole spine surgery, navigation based spine surgeries, Deformity Correction, Artificial Disc Replacement, Revision Spinal Surgery etc.

He has worked in AIIMS trauma center, and has trained in spine surgery in **Austria, Switzerland (Europe), Mumbai**. He has attended seminars and conferences all around the world.

He is AO Spine faculty for AO Spine online diploma programme. He is also a regular faculty for various national & international spine training programmes.



For More Details :  
Bareilly International University

## OUR PATRONS



**Dr. Keshav Agarwal**  
Chancellor



**Dr. Ashok Agarwal**  
Pro Chancellor



**Dr. Lata Agarwal**  
Vice-Chancellor



**Dr. Kiran Agarwal**  
Pro Vice-Chancellor

## FELLOWSHIP DIRECTOR



**Dr. Varun Agarwal**  
Professor Orthopaedics  
Rohilkhand Medical College and Hospital  
Hon. Prof., ATU, Minnesota(U.S.A)  
Fellowship & Training in Spine Surgery  
(Austria / Switzerland / Germany /Mumbai)  
Minimally Invasive, Endoscopic and Robotic Spine Specialist

## BAREILLY INTERNATIONAL UNIVERSITY

Rohilkhand Medical College & Hospital

Institute of Dental Sciences

Rohilkhand Ayurvedic Medical College & Hospital

Rohilkhand College of Nursing

Rohilkhand School of Nursing

BIU College of Pharmacy

Keshlata College of Pharmacy

Rohilkhand College of Paramedical Sciences

BIU College of Management

BIU College of Humanities & Journalism



CADAVER TRAINING



## BAREILLY INTERNATIONAL UNIVERSITY CAMPUS

Dental College Road, Pilibhit Pyass Road, Bareilly (U.P.)

0581-2526153, 2526011

[www.biu.edu.in](http://www.biu.edu.in) | [info@biu.edu.in](mailto:info@biu.edu.in)



### FOR MORE DETAILS

Bareilly International University

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