

One year Post doctoral fellowship in neuro- endoscopy

At the Department of Neurosurgery, KGMU, Lucknow, India

(Course Curriculum/Syllabus)

Name of the fellowship: Fellowship in Neuro-endoscopy

Duration:- 1 year

Eligibility: MCh/DNB completed in Neurosurgery or equivalent, recognized by MCI

Age limit : ~~40 year.~~

37 years

Unit
Dr. Chhitij Srivastava
M.S, M.ch.

Posts: 2 per year

Nodal Officer: Prof. Chhitij Srivastava

Professor
Department of Neurosurgery
K.G's Medical University, Lucknow

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Methodology to be followed during training

- Morning seminars/journal club
- Clinical discussion/case presentations
- Lectures/Seminars/Guest Lectures
- Exposure to endoscopic neurosurgery in OT, including hands on training (min cases)
- Exposure to cadaver lab (in conjunction with the department of Anatomy)

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Theoretical curriculum:

-Embryology of NTD and the ventricular system

-Anatomy:

- the ventricular system and its microsurgical anatomy
- Endoscopic view of the ventricular system
- The nose, paranasal sinuses and the pituitary gland
- The vertebral and paravertebral musculature and support system
- Study of CVJ
- The neck and approaches to the cervical spine

-Physiology

- CSF flow
- Pituitary hormones
- Spinal movement and joint physiology

-Pathology

- CNS infection
- Tumours
- Degenerative disorders
- Congenital disorders/defects

-Physiotherapy

- in neurosurgical practice
- importance in spinal disorders

-Radiology pertaining a target cases.

-History and development of neuroendoscopy

-Care and maintenance of endoscopic instruments

-Newer techniques in endoscopy

-Sino nasal endoscopy : 2 weeks posting in ENT dept

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Objectives:

At the end of the course, the fellow should be able to:

- Effectively plan and execute neuroendoscopic techniques
- independently perform ETV , endoscopic biopsies and disc surgey
- Will have independently performed 10 ETVs, 2 lumbar disc surgeries and 2 endoscopic assisted surgeries.

- Assisted in at least 5 pituitary surgeries , 5 CVJ surgeries and 5 lumbar surgeries, apart from any other advanced procedures.

- Publish minimum 2 original research papers in reputed journals during the period of training.

- The fellow will also be expected to perform routine and emergency duties similar to a full time senior resident of the department.
- Medium of instruction: English .The candidate is expected to know or learn the local language/dialect
- Accomodation may be provided by the University subject to availability.

Candidate assessment:

Internal assessment:

- After 1 month by the departmental committee headed by the HOD
- After 6 months by the departmental committee headed by the HOD

Final certifying exam:

- To be held in July, after submission of min 2 original research papers (not case reports) in reputed journals
- Clinical and practical assessment of candidate by OSCE/Surgical demonstration by 2 internal and/or 2 external examiners approved by the Dean, medical faculty


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Departmental Committee:

Dr B K Ojha
Dr Chhitij Srivastava
Dr Somil Jaiswal
Dr A. Yadav

Dr Anil Chandra
Dr Manish jaiswal
Dr Ankur Bajaj


Dr BK Ojha, MS MCh
Prof. & Head
Department of Neurosurgery
King George's Medical University
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Dr Chhitij Srivastava
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in neuro-endoscopy,
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