

Curriculum for  
**Post-Doctoral Fellowship Course**  
in  
**SPINE SURGERY**



**Department of Orthopaedics**  
**SRI AUROBINDO UNIVERSITY**

SAIMS HOSPITAL CAMPUS, Indore Ujjain, State Highway, Bhawrasla, Indore, Madhya  
Pradesh 453555

## Curriculum

### **I. Syllabus – '11 months Post Doctoral Fellowship Course in Spine Surgery'**

#### **A. Teaching and Training Activities**

The fundamental components of the teaching programme include:

1. Case presentations & discussion- once a week
2. Seminar — Once a week
3. Journal club- Once a month
4. Round Presentation
5. Faculty lecture teaching- Once a month
6. Clinical Audit-Once a Month
7. Present One Posters/ Papers during one years period at International/National conference (May be Case Series or Case Report)
8. Candidates will be posted in Orthopaedic Spine OPD, general and private wards and in OT (procedure basis)

#### **B. Teaching and Training Topics**

Prevalence, magnitude of Problem of spine patients with degenerative issues and injuries.

- Basic Spine Anatomy
- Spinal Cord Tract
- Clinical history taking
- Clinical Spine Examination- Cervical and Lumbar
- Thoracolumbar Trauma

- Cervical Trauma
- Spinal Cord Injury management
- Degenerative Disc Disease- Natural history and Pathophysiology
- Lumbar Canal Stenosis - Central , Lateral Recess and Foraminal Stenosis
- Listhesis- Types, pathophysiology and Management
- Kyphosis and Scoliosis- causes, assessment and management
- Pain generators of Lumbar Spine
- Causes of axial neck pain and management
- Cervical Radiculopathy and its Management
- Cervical Spondylotic Myelopathy
- Infections in Spine
- Potts Spine- Classification, grading and Management protocol
- Spinal manifestation of Metabolic diseases
- Spinal Neoplasms- Benign and Malignant
- Spinal Metastasis and its management
- Minimally invasive Spine Surgery
- Introduction to Spine Endoscopy- Interlaminar and Transforaminal
- Management of Post operative complications
- Craniovertebral Junction- Disorders and Management
- Spinal deformities – Congenital, idiopathic, degenerative

### **C. Log Book**

A candidate shall maintain a log book of procedures (assisted / performed) during the training period, certified by the concerned post graduate teacher / Head of the department / senior consultant.

This log book shall be made available to the examiners for their perusal at the time of the final examination.

The log book should show evidence that the before mentioned subjects were covered (with dates and the name of teacher(s) The candidate will maintain the record of all academic activities undertaken by him/her in log book.

Details to be entered:

- a) Personal profile of the candidate
- b) Educational qualification/ Professional data
- c) Record of case histories
- d) Procedures learnt
- e) Record of case Demonstration/Presentations

Every candidate, at the time of practical examination, will be required to produce performance record (log book) containing details of the work done by him/her during the entire period of training as per requirements of the log book. It should be duly certified by the supervisor as work done by the candidate and countersigned by the administrative Head of the Institution.