



# **MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed to be University u/s 3 of UGC Act, 1956)

**Grade 'A' Accredited by NAAC**

Sector-01, Kamothe, Navi Mumbai -410 209

Tel 022-27432471, 022-27432994, Fax 022 -27431094

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## **Curriculum for Fellowship in Primary Spine Care**

**(with effect from 2018-19 Batches)**

Approved as per BOM - 53/2018, Dated 19/05/2018

## **Amended History**

1. Approved as per BOM - 53/2018, [Resolution No.4.8], Dated 19/05/2018.



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**FELLOWSHIP IN PRIMARY SPINE CARE**

1. Outcome of the fellowship Programme: This programme will enable the students to become Primary Spine Care Practitioner.
2. Objectives of the fellowship: On completion of the Fellowship, the Student will have:
  - Detailed and In-depth knowledge of Applied/ Functional Anatomy of Spine.
  - Thorough skills in evaluation of spine.
  - Ability to integrate the Structural and Radiological findings and Functions.
  - Hands on skills in Management of various spine conditions.
  - In depth knowledge of Clinical decision making triage.
  - Knowledge of Research Methodology and Data Collection and helping in research projects
3. Course Content :
  - Spine Anatomy
  - Clinical Biomechanics of Spine.
  - Assessment of Spine
  - Hands on skills in managing spine conditions
  - Research project

4. Complete Curriculum of the Course:

Sr. No	Topic		Clinical Hours	Mode
1	Anatomy of Spine: Basic structure. Atypical vertebrae. Ligaments. Muscles. Bony Landmarks. Surface Anatomy. Applied Anatomy.	<ul style="list-style-type: none"> <li>• Cervical Spine</li> <li>• Thoracic Spine</li> <li>• Lumbar Spine</li> <li>• Sacroiliac Joint</li> </ul>	<ul style="list-style-type: none"> <li>• 15</li> <li>• 15</li> <li>• 15</li> <li>• 15</li> </ul>	Cadaveric study On patients
2	Spine clinical Biomechanics: Revision of Anatomy. Kinetics Kinematics Muscle work Applied Biomechanics Pathomechanics	<ul style="list-style-type: none"> <li>• Cervical Spine</li> <li>• Thoracic Spine</li> <li>• Lumbar Spine</li> <li>• Sacroiliac Joint</li> </ul>	<ul style="list-style-type: none"> <li>• 5</li> <li>• 5</li> <li>• 5</li> <li>• 5</li> </ul>	Through Spine App and videos Presentations
3	Evaluation of spine: Specific History taking World Spine Care toolkit Differential Diagnosis based on History Screening for Red and Yellow flags Movement Assessment Neurological Screening Special Tests	<ul style="list-style-type: none"> <li>• Cervical Spine</li> <li>• Thoracic Spine</li> <li>• Lumbar Spine</li> <li>• Sacroiliac Joint</li> </ul>	<ul style="list-style-type: none"> <li>• 10</li> <li>• 10</li> <li>• 10</li> <li>• 10</li> </ul>	On patients
4	Management of various conditions: Mechanical pain Osteoporosis Degenerative Spine Disc Canal Stenosis Infections Autoimmune disorders Fractures Neural Mobilisation Core exercise training Maitland, Mulligan	<ul style="list-style-type: none"> <li>• Cervical Spine</li> <li>• Thoracic Spine</li> <li>• Lumbar Spine</li> <li>• Sacroiliac Joint</li> </ul>	<ul style="list-style-type: none"> <li>• 15</li> <li>• 15</li> <li>• 15</li> <li>• 15</li> </ul>	On patients
5	Radiology: X-rays MRI	<ul style="list-style-type: none"> <li>• Cervical Spine</li> <li>• Thoracic Spine</li> <li>• Lumbar Spine</li> <li>• Sacroiliac Joint</li> </ul>	<ul style="list-style-type: none"> <li>• 2</li> <li>• 2</li> <li>• 2</li> <li>• 2</li> </ul>	Investigations
6	Spine Surgeries:	<ul style="list-style-type: none"> <li>• Disc</li> <li>• Implantation/fusion</li> <li>• Scoliosis correction</li> </ul>	<ul style="list-style-type: none"> <li>• 30</li> </ul>	OT
6	Research Project		<ul style="list-style-type: none"> <li>• 620</li> </ul>	•

The fellow would also receive following clinical training:

1. 300 hours of 1:1 supervised clinical training while treating patients.
2. 130 hours of theoretical assignments and presentations
3. 330 hours of supervised clinical practice.

On completion of the Fellowship, the Student will have:	
CO 1	Detailed and In-depth knowledge of Applied/ Functional Anatomy of Spine.
CO 2	Thorough skills in evaluation of spine.
CO 3	Ability to integrate the Structural and Radiological findings and Functions.
CO 4	Hands on skills in Management of various spine conditions.
CO 5	In depth knowledge of Clinical decision making triage.



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