



MGM INSTITUTE OF HEALTH SCIENCES

Accredited by NAAC with 'A' Grade

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

Sector-01, Kamothe, Navi Mumbai - 410 209

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

E-mail : registrar@mgmuhs.com ; Website : www.mgmuhs.com

Curriculum for Fellowship in Primary Spine Care (w.e.f. Academic Year 2018-19)

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"> • Cervical Spine • Thoracic Spine • Lumbar Spine • Sacroiliac Joint 	<ul style="list-style-type: none"> • 15 • 15 • 15 • 15 	Cadaveric study On patients
2	Spine clinical Biomechanics: Revision of Anatomy. Kinetics Kinematics Muscle work Applied Biomechanics Pathomechanics	<ul style="list-style-type: none"> • Cervical Spine • Thoracic Spine • Lumbar Spine • Sacroiliac Joint 	<ul style="list-style-type: none"> • 5 • 5 • 5 • 5 	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"> • Cervical Spine • Thoracic Spine • Lumbar Spine • Sacroiliac Joint 	<ul style="list-style-type: none"> • 10 • 10 • 10 • 10 	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"> • Cervical Spine • Thoracic Spine • Lumbar Spine • Sacroiliac Joint 	<ul style="list-style-type: none"> • 15 • 15 • 15 • 15 	On patients
5	Radiology: X-rays MRI	<ul style="list-style-type: none"> • Cervical Spine • Thoracic Spine • Lumbar Spine • Sacroiliac Joint 	<ul style="list-style-type: none"> • 2 • 2 • 2 • 2 	Investigations
6	Spine Surgeries:	<ul style="list-style-type: none"> • Disc • Implantation/fusion • Scoliosis correction 	<ul style="list-style-type: none"> • 30 	OT
6	Research Project		<ul style="list-style-type: none"> • 620 	•

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.