



# **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

E-mail: [registrar@mgmuhs.com](mailto:registrar@mgmuhs.com); Website :[www.mgmuhs.com](http://www.mgmuhs.com)

## **Curriculum for Fellowship in Pediatric Neurology**

**(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.



## MGM INSTITUTE OF HEALTH SCIENCES

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

Grade 'A' Accredited by NAAC

Sector-1, Kamothe, Navi Mumbai - 410209

Tel. No. 022-27432471, 022-27432994, Fax No. 022 - 27431094

E-mail : registrar@mgmhuhs.com ; Website : [www.mgmhuhs.com](http://www.mgmhuhs.com)

### FORMAT FOR SUBMISSION OF PROPOSAL/ FELLOWSHIP COURSE

1. Title of the fellowship : **FELLOWSHIP IN PEDIATRIC NEUROLOGY**
2. Duration of the fellowship : 1 year (12 Month)
3. Commencement (2 batches) : a) 1<sup>st</sup> June, 2018 b) 1<sup>st</sup> December, 2018
4. Objectives of the fellowship: To enhance knowledge and skills in Pediatrics and neonatal neurology to bring out positive outcomes related to mortality and morbidity
5. Eligibility Criteria for Admission :MD.DCH,DNB Pediatrics
6. Intake Capacity in each batch :1 6 monthly
7. Admission/Selection Process/Procedure: PG NEET Score and personal interview
8. Fees :150000/-
9. Course Content :ANNEXURE I
10. Teaching Scheme (Total periods and periods allotted to each topic) ANNEXURE II
11. Complete Curriculum of the Course: ANNEXURE II
12. Textbook and Reference Books :
13. Scheme of Examination : 3 monthly formative assessment Project –given at end of 2month

#### **PATTERN OF EXAM-**

Final theory exam -2 papers 100 marks each

Practical examinations with two internal and two external examiners with subspeciality excellence

Practical examination -200 marks


Internal assessment and project work-50 marks each


Total marks -500

Passing criteria-50% in each criteria

Award of fellowship- at end of result by university

14. Infrastructure required for conducting the course and its availability in the College/Hospital –  
PEDIATRIC NEUROLOGY OPD 30-40 Patient weekly 90pediatrics bed, PICU, NICU, Modern  
Neuroimaging Equipments, eeg, emg , ncv FACILITIES
15. Faculty required (with qualification) for conducting the course:  
Dr Shekhar Patil, MD Pediatrics, DM(NEUROLOGY)  
Dr. Revati N,MD Associate Profesor Department OF Pediatrics

*for*  
  
Programme Coordinator  
Dr. Shekhar Patil

  
Head , Dept.Of Pediatrics  
Dr Vijay Kamale

**PROFESSOR & HOD**  
Dept. of Paediatrics  
MGM Medical College Hospital,  
Kalamoli, Navi Mumbai - 410 218

## ANNEXURE :

### PROGRAM OUTCOME

Neurology related to neonate and child will be emphasized over one year. Neurologic evaluation of preterm, infant and child will be done in ethical and evidence based way. Emphasis on clinical skills with thorough use of investigative faculties will be taught. Psychological and pediatric psychiatry training also will be imparted. At the end of Fellowship candidate will be able to evaluate, neurological problems in child.

### SYLLABUS OF THE COURSE

1. neurological examination, evaluation
2. congenital anomalies of CNS
3. seizures in childhood: partial, generalized, febrile, neonatal, status epilepticus treatment of seizures
4. conditions that mimic seizures
5. Headache
6. neurocutaneous syndromes
7. movement disorders
8. Encephalopathies
9. coma, raised ICP, coning
10. Brain death
11. Head injuries
12. Neurodegenerative disorders of childhood
13. Acute stroke syndrome
14. Brain abscess
15. brain tumours
16. Spinal cord disorders
17. Neuromuscular disorders, congenital muscle disorders, dystrophies, myopathies, HMSN, toxic, autonomic neuropathies.
18. disorders of eye ,ear and orthopedics in relation to pediatric neurology

### CURRICULUM

12 months pediatric neurology related work in OPD,IPD,PICU ,NICU ,Ophthalmology, ENT and orthopedics. Research project given at time of admission

**3. Intensive Theory teaching programme :** There are a series of regularly-scheduled conferences, seminars and lectures that trainees are required to attend:

**Clinical Seminars** (Monday, 2 p.m.) – faculty and local invited speakers deliver information on topics of special interest and updates on diagnosis and treatment of various pediatric disorders.

**Resident/Fellow Core Lecture Series:** (Monday, 4 – 5 p.m.) – this series is designed specifically for residents and diagnostic laboratory fellows and covers a wide range of topics including basic concepts, population dynamics, genetic counseling/communication skills and specific lectures

**Biochemical Results Review** (Tuesday, 11 a.m. – Noon) – Laboratory directors & fellows and Metabolic faculty & residents review biochemical laboratory results from the prior week and discuss results and patient management.

Seminar Series (Tuesday, Noon - 1 p.m.) – A monthly seminar series where intensivists from all over the country are invited by the Department's research faculty to come and speak about their work.

Post-clinic Conference (Friday, 4 – 5 p.m.) – Selected patients from the outpatient and inpatients clinics are reviewed with video of salient findings and lab results.

Grand Rounds (Wednesday, Noon – 1 p.m.) – Genetics residents present an individual clinical case and discuss the diagnostic approach, prognosis and management.

**Mortality meeting:** first Thursday of every month 2 00 pm

#### **TEXTBOOK AND REFERENCE BOOKS:**

1. Swaiman's Pediatric Neurology: Principles and Practice by Kenneth F. Swaiman, MD., Stephen Ashwal, MD., Donna M. Ferriero, MD, MS
2. Handbook of Pediatric Neurology by Katherine Sims, Jurriaan Peters, Patricia Musolino
3. Clinical Pediatric Neurology: A Signs and Symptoms Approach by Gerald M Fenichel, MD
4. Neurology of the Newborn by Joseph J Volpe
5. Textbook of Child Neurology by John H. Menkes
6. Decision Making in Pediatric Neurologic Physical Therapy by Suzann K Campbell
7. Functional Neuroimaging in Child Psychiatry by Monique Ernst (Editor), Judith M Rumsey (Editor), Dr. Joseph T Coyle



# 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 - 410209

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

E-mail- [registrar@mgmuhs.com](mailto:registrar@mgmuhs.com) Website : [www.mgmuhs.com](http://www.mgmuhs.com)

