

Post doctoral fellowships Epilepsy and EEG 2021

Broad objective:

The post doctoral fellowship (PDF) in epilepsy and Electroencephalography is designed to offer high quality training in clinical epileptology and management of refractory epilepsy and other areas of specialized care such as epilepsy in women, young children and elderly. The EEG component focuses on clinical electrophysiology, routine EEG, Video EEG for seizure monitoring and intra operative monitoring, electrocorticography and its application in epilepsy care including epilepsy surgery.

Eligibility

The candidate should have passed DM Neurology or equivalent courses approved by the Medical Council of India.

Duration 12 months

The program starts on 1st January each year and will end on 31 December.

Course curriculum

The candidate will be rotated through the various aspects of clinical epileptology in a systematic manner

Section	Duration
Epilepsy monitoring unit	10 months
Electrocorticography	3 months
Epilepsy surgery OT attendance	
Outpatient clinic service	12 months (3 months in EP1 and 3 months in EP2)
ICUs and other department consultations	6 months
Epilepsy and pregnancy registry	6 months
Outreach program	6 months
Peripheral medical camps	2 visits

Epilepsy Monitoring Unit

The PDF is expected to take the history and physicals and write the case record of each patient admitted under his / her care in the EMU and do all necessary work up of the case. He or she shall under the supervision of the consultant plan the monitoring protocol including the need for

additional electrodes, sphenoidal electrodes, ictal SPECT and special sequences of MRI if required. They would familiarize themselves with the standard protocols for observing a seizure and testing the cognitive and language functions of the patients during and immediately after the seizure. They will participate in intracranial stimulation studies and EEG / FMRI studies Wada Test that are carried out in the EMU. PDF shall review the video EEG of the patient independently and present it to the consultant who is doing the VEEG reporting on a daily basis. It would be the PDF's responsibility to ensure that the VEEG segments are properly edited by the neurotechnologist and archived appropriately. The PDF will participate in the patient management meeting and present and discuss the case with regard to the management. He or she shall be responsible for completing the discharge summary for the patients admitted under his or her care.

Epilepsy Surgery OT

They are expected to attend to the Neurosurgery OT whenever there is an epilepsy surgery. They need to familiarize themselves with the intracranial electrode placements, electrocorticography, awake craniotomy, and other procedures related to epilepsy surgery in the OT.

Outpatient service

The PDF shall attend to the Epilepsy clinic (EP1 and EP2) on a regular basis and participate in patient management. During these services, they are expected to acquire skills in history taking, work up of routine cases, identification of non epileptic conditions, refractory epilepsy and management of epilepsy in special situations and special populations such as elderly. The PDF shall also gain skills in counselling patients and the family members with regard to diverse aspects of epilepsy and its management.

ICU and other department consultations

This will be an opportunity for the PDF to gain expertise in managing status epilepticus, seizures in ICU and emergency departments. They will also attend to consultations from other departments regarding seizures or epilepsy or its complications.

Epilepsy and Pregnancy Registry

During the program the PDF shall spent three months attached to the registry of epilepsy and pregnancy and gain expertise in preconception care, managing epilepsy during pregnancy, breast feeding, follow up of children of women with epilepsy, special problems related to infertility, bone health and contraception.

Outreach program & Medical camps

The PDF shall attend to the monthly outreach program(s) of the RMNC a period of three months and attend to at least two medical camps organized by the RMNC

Patient Management Meeting

The PDF shall prepare the cases for presentation in the PMC and make available all the necessary data. They shall also take active participation in discussing the management of cases presented in the PMC and prepare the PMC notes for each of the patient.

Research Project.

Research activities shall be an important component of the fellowship. Each fellow is expected to complete a research project as per the calendar given below

	Activity	Last date
1.	Topic discussions and finalization of the research project	21st January
2.	Presentation of the project	31 January
3.	IEC clearance	30 April
4.	Data collection	30 September
5.	Analysis	15 October
6.	Presentation and write up	15 November

Conferences and Publications

The Post doctoral Fellows are encouraged to attend to national and international conferences of relevance and prepare manuscripts for publication with the help of the faculty in RMNC.

Teaching program

The PDF shall take active participation in the teaching programs in the RMNC

Topics	Seminars	Journal Club
Pharmacotherapy	10	6
Epilepsy Surgery / presurgical work up	6	10
Co morbidities	2	2
Psychosocial issues	2	3
Genetics	2	1
Epidemiology	3	2
Special situations Elderly, women, etc	3	5
Status epilepticus	3	3
Paediatric epilepsy	4	3
Principles of VEEG	2	2
Electrocorticography intraoperative monitoring	2	0
Principles of intracranial EEG	1	3

Case audit / discussion

The PDF shall do regular audit of typical cases encountered in the RMNC patient or out patient care. They shall also review the neuropathology of operated cases. They shall also do active case discussions as per the routine teaching program. This will be a 30 minute presentation + 15 minutes discussion on the last PMC in each month.

The PDF shall take keen interest in teaching the DM residents, neurotechnologists and others who are rotating through the RMNC.

They shall take keen interest to present papers at national and international conferences and contribute research papers/ review articles under the supervision of the faculty.

Activities of the RMNCEC

	Program	Time	Day
1.	EMU reporting	9 - 11 am	Mon - Sat
2	Attending to OT/ECOG	on designated days	
3a	OPD	EP1/KREP3	10 - 12 noon (Wed)
3b		EP2	2 - 4 pm (Fri)
4.	PMC (Banyan Hall, AMC)	2:00 to 4:00 pm	All Wednesdays
5.	Seminars	8 - 9 am	Fridays
6.	Journal Club	8 - 9 am	Fridays
7.	Case Audit	11 - 12 noon	Saturdays

Log book

The PDF shall maintain a log book of their activities and list all the important procedures they have done or observed during their fellowship. The log book shall be submitted to the Program Director by 12 December each year.

Transcript

The Program Director shall issue a transcript of the fellowship not later than 23 December to each fellow.

R. Madhavan Nayar Centre for Comprehensive Epilepsy Care

PDF rotations in Epilepsy program 2020

	Location	Dr. Pavan	Dr. Soumya
6m	EPI	JAN	FEB
		MAR	APR
		MAY	JUNE
		JULY	AUG
		SEPT	OCT
		NOV	DEC
6m	EP2	FEB	JAN
		APR	MAR
		JUNE	MAY
		AUG	JULY
		OCT	SEPT
		DEC	NOV
6m	ICU	FEB	JAN
		APR	MAR
		JUNE	MAY
		AUG	JULY
		OCT	SEPT
		DEC	NOV
6m	KREP3	FEB	JAN
	& WCH clinic	APR	MAR
		JUNE	MAY
		AUG	JULY
		OCT	SEPT
		DEC	NOV
6m	Outreach	FEB	JAN
		APR	MAR
		JUNE	MAY
		AUG	JULY

		OCT	SEPT
		DEC	NOV
6m	EMU admn	FEB	JAN
		APR	MAR
		JUNE	MAY
		AUG	JULY
		OCT	SEPT
		DEC	NOV

ECoG Duties for Consultants & PDF

January - December 2021

Month	Day	Consultant	PDF
January	Wednesday	Ashalatha	Soumya
	Thursday	Ajith	Pavan
February	Wednesday	Ashalatha	
	Thursday	Ajith	
March	Wednesday	Ashalatha	
	Thursday	Ajith	
April	Wednesday	Ashalatha	
	Thursday	Ajith	
May	Wednesday	Ashalatha	
	Thursday	Ram	
June	Wednesday	Ashalatha	
	Thursday	Ram	
July	Wednesday	Ashalatha	
	Thursday	Ram	
August	Wednesday	Ashalatha	
	Thursday	Ram	
September	Wednesday	Ashalatha	
	Thursday	Ram	
October	Wednesday	Ashalatha	
	Thursday	Ram	
November	Wednesday	Ashalatha	
	Thursday	Ram	
December	Wednesday	Ashalatha	
	Thursday	Ram	

Week days: Night calls for Consultants & PDF

2021

Day	Consultants	Il on call
Monday	Dr. Ram	SVT
Tuesday	Dr. Ashalatha	SVT
Wednesday	Dr. Ashalatha	SVT
Thursday	Dr. Ajith	SVT
Friday	Dr. Ajith	SVT

Weekend calls for Consultants & PDF

Consultant Call duty on Weekends (Sundays including the previous Saturdays)

Saturday	Sunday	Consultant
02-01-2021	03-01-2021	ALR
09-01-2021	10-01-2021	AC
16-01-2021	17-01-2021	SVT
23-01-2021	24-01-2021	RSM
30-01-2021	31-01-2021	ALR
06-02-2021	07-02-2021	AC
13-02-2021	14-02-2021	SVT
20-02-2021	21-02-2021	RSM
27-02-2021	28-02-2021	ALR
06-03-2021	07-03-2021	AC
13-03-2021	14-03-2021	SVT
20-03-2021	21-03-2021	RSM
27-03-2021	28-03-2021	ALR
03-04-2021	04-04-2021	AC
10-04-2021	11-04-2021	SVT
17-04-2021	18-04-2021	RSM
24-04-2021	25-04-2021	ALR
01-05-2021	02-05-2021	AC
08-05-2021	09-05-2021	SVT
15-05-2021	16-05-2021	RSM
22-05-2021	23-05-2021	ALR
29-05-2021	30-05-2021	AC
05-06-2021	06-06-2021	SVT
12-06-2021	13-06-2021	RSM
19-06-2021	20-06-2021	ALR
26-06-2021	27-06-2021	AC
03-07-2021	04-07-2021	SVT
10-07-2021	11-07-2021	RSM
17-07-2021	18-07-2021	ALR
24-07-2021	25-07-2021	AC
31-07-2021	01-08-2021	SVT
07-08-2021	08-08-2021	RSM
14-08-2021	15-08-2021	ALR
21-08-2021	22-08-2021	AC
28-08-2021	29-08-2021	SVT
04-09-2021	05-09-2021	RSM
11-09-2021	12-09-2021	ALR
18-09-2021	19-09-2021	AC
25-09-2021	26-09-2021	SVT
02-10-2021	03-10-2021	RSM

09-10-2021	10-10-2021	ALR
16-10-2021	17-10-2021	AC
23-10-2021	24-10-2021	SVT
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04-01-2020	05-01-2020	ALR
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18-01-2020	19-01-2020	SVT
25-01-2020	26-01-2020	ALR
01-02-2020	02-02-2020	AC
08-02-2020	09-02-2020	SVT
15-02-2020	16-02-2020	ALR
22-02-2020	23-02-2020	AC
29-02-2020	01-03-2020	SVT
07-03-2020	08-03-2020	ALR
14-03-2020	15-03-2020	AC
21-03-2020	22-03-2020	SVT
28-03-2020	29-03-2020	ALR
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18-04-2020	19-04-2020	ALR
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09-05-2020	10-05-2020	ALR
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13-06-2020	14-06-2020	RSM
20-06-2020	21-06-2020	ALR

27-06-2020	28-06-2020	AC
04-07-2020	05-07-2020	RSM
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18-07-2020	19-07-2020	AC
25-07-2020	26-07-2020	RSM
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08-08-2020	09-08-2020	AC
15-08-2020	16-08-2020	RSM
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29-08-2020	30-08-2020	AC
05-09-2020	06-09-2020	RSM
12-09-2020	13-09-2020	ALR
19-09-2020	20-09-2020	AC
26-09-2020	27-09-2020	RSM
03-10-2020	04-10-2020	ALR
10-10-2020	11-10-2020	AC
17-10-2020	18-10-2020	RSM
24-10-2020	25-10-2020	ALR
31-10-2020	01-11-2020	AC
07-11-2020	08-11-2020	RSM
14-11-2020	15-11-2020	ALR
21-11-2020	22-11-2020	AC
28-11-2020	29-11-2020	RSM
05-12-2020	06-12-2020	ALR
12-12-2020	13-12-2020	AC
19-12-2020	20-12-2020	RSM
26-12-2020	27-12-2020	ALR