

## **Basic EEG for UG students**

### **Add on certificate course**

Date : 16th September 2022  
Workshop : 20th to 22nd September 2022  
Venue : Lecture hall I VMCH&RI  
Department : Department of Physiology  
College : Velammal medical college and research institute

The programme began with a welcome address given by Dr.Anu HOD, department of Physiology. Then special address was given by Dr.T.Thirunavukkarasu Dean, VMCH&RI.

Physiology of cerebral cortex was taken by Dr.R.Durai Arasan, senior resident, department of Physiology. He explained about the various divisions of cerebral cortex along with their functions. He described various neural pathways that are present in the cerebral cortex and the importance of each pathway. He described the importance of those pathways in normal physiological activities.

Electrical activity of brain was taken by Dr.M.Renu Meena, Senior resident, department of Physiology. She elaborated the electrical activities that take place in various areas of the brain along with the importance of those activities in normal neurological activities of the brain. She also described the ways by which electricity travels from one area of the brain to another and the ways by which different areas of the brain communicate with each other.

EEG recordings and applications were taken by Dr.Anu HOD, department of Physiology. She explained the various methods by which EEG can be

recorded. She described various waves that can be present in a normal EEG recording.

Role of EEG in various clinical conditions was taken by Dr. R. Ramesh, Dept of Medicine. He described the various diseases that are encountered normally in daily practice and the role of EEG in diagnosing those diseases and the prognostic implications of the EEG recordings.

Vote of thanks was given at the end of the session by Dr. John Rajpathy, Prof of Physiology at the end of the academic session.

Recording and analysis of EEG – Hands on training was given by Dr. M. Kavitha, Consultant Neurologist, VMCH&RI from 20<sup>th</sup> September to 22<sup>nd</sup> September, 11.00 am to 01.00 pm. The students were divided into 3 groups of 50 students each and training was given for one group per day. She demonstrated the methods by which EEG can be recorded and the methods by which those recordings can be interpreted. Students were divided into small groups and each group was given an opportunity to record EEG themselves and analyse the readings. Students enthusiastically involved themselves in EEG recording methods and in the end each recording was interpreted and explained by the neurologist.



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