

Symposium of the Clinical Neurophysiology unit

Faculty of Medicine- Cairo University

Day 1

EEG value in critical care

A-Theoretical lectures

1. Questions and expectations
2. Indications of EEG in the ICU and technical considerations
3. EEG types in ICU
4. EEG in the ICU
 - a. Background
 - b. Patterns
6. Non convulsive status epilepticus
7. Answers and limitations

B-Ask the experts' session

Cases presentation: from clinical neurophysiology archive.

Day 2

A-Ictal scalp EEG patterns in focal epilepsies

1. Types
2. Electro-clinico-anatomical correlation
3. Value in Localization for presurgical evaluation
4. Pitfalls
5. Paradoxical ictal EEG patterns
6. Hemispherical, bilateral or diffuse ictal discharges
7. Non ictal patterns
8. Impact on surgery decision and ECoG planning

B-Intraoperative ECoG in resective epilepsy surgery;

1. Technique (electrode types, duration of recording ,device specs and settings,etc.)
2. ECoG patterns recorded and artifacts
3. Direct cortical stimulation
4. Anesthesia considerations

5. Applications :
6. TLE with and without MTS
7. Extra temporal with a structural lesion
8. Mapping of cortical areas and awake craniotomy

C-Role of intraoperative EEG in palliative epilepsy surgeries