

ILAE-East Mediterranean Region
Educational Course report

Epilepsy Neuroimaging course

Egypt, 25-26 September 2025

Aim of the course: practical training on interpreting structural brain imaging of patients with epilepsy based on focus hypothesis.

Target audience: early-career neurologists, neurosurgeon and neuroradiologists interested in epilepsy management and epilepsy surgery.

Venue: Princess Fatma Academy for Medical and Professional Training,
Nasr City, Cairo, Egypt

Course ILOs :

- 1- How to diagnose Focal epilepsy and move forward using the focus hypothesis concept**
- 2- Identify the basic epilepsy related MRI brain anatomy.**
- 3- Acknowledge the difference between conventional MRI and MRI Epilepsy protocol according to ILAE guidelines?**
- 4- How to diagnose the different epileptogenic brain lesions**
 - a. Identify the hippocampus sclerosis & the misdiagnosis /pitfall (Qs)**
 - b. Identify the cortical malformation special concentration on the Cortical dysplasia types & topography (Qs)**
 - c. Identify Epilepsy Associated Tumors (Qs)**
 - d. Secondary cortical lesion**
 - e. Vascular malformation /TSC/others**
- 5- Recognize Surgical algorithms and outcomes for different types of focal drug-resistant epilepsies.**

And it covered the following ILO as per ILAE competencies:

1.1 - Demonstrate working knowledge of different aetiologies of focal epilepsies

1.3 - Identify and describe focal seizure semiology using the most recent ILAE terminology

1.5 - Accurately order and interpret neuroimaging as it pertains to epilepsy.

2.5 - recognize when to refer epilepsy patients for higher level of care.

4.1 - demonstrate working knowledge of indications of presurgical evaluation.

Course Design: interactive workshop preceded by introductory virtual lectures

Part One: The virtual Session was held on Tuesday 23 September 2025 for 2.5 hours and was attended by 94 candidates and included two lecture:

- 1- The art of history taking in epilepsy, by prof. Nirmeen Adel**
- 2- MRI epilepsy protocol and basic MRI anatomy of cerebral cortex, by our neuroradiology team.**

Part Two: The in-person Workshop was held over two days 25 & 26 Sept. attended by 50 young neurologists and neurosurgeons interested in epilepsy and epilepsy surgery.

THE VIRTUAL SESSION of the 2nd EPILEPSY NEUROIMAGING WORKSHOP

Lecture 1

MRI EPILEPSY PROTOCOL & BASICS
of BRAIN MRI ANATOMY

Dr. Michael Baghdadi

DATE : Tuesday 23 September 2025

TIME : 8:00 pm Cairo local time

Lecture 2

APPROACH TO FOCAL EPILEPSY
DIAGNOSIS

Prof. Nirmeen Adel Kishk

DATE : Tuesday 23 September 2025

TIME : 9:00 pm Cairo local time

Epilepsy Neuroimaging workshop

Day 1: Thursday 25th September			speaker
9-10 am		Registration	
10:00 - 10:20	Temporal lobe epilepsy session	MRI anatomy of temporal lobe Lecture	<i>Dr. Michael Baghdadi</i>
10:20 - 10:40		Semiology of temporal lobe seizures Lecture	<i>Dr. Mona Kamel</i>
10:40 - 11:00		Surgical management options for temporal lobe focal DRE	<i>Prof. Ahmed Morsy</i>
11:00 - 01:00		Temporal lobe epilepsy semiology and imaging (workshop: MRI analysis and case studies)	<i>All staff members</i>
01:00 - 02:00		Coffee break 1	
02:00 - 02:20	Frontal lobe epilepsy session	MRI anatomy of frontal lobe	<i>Dr. Mina Fahry</i>
02:20 - 02:40		Semiology of frontal lobe	<i>Dr. Ahmed Degheedy</i>
02:40 - 03:00		Surgical management options for frontal lobe focal DRE	<i>Prof. Ahmed Morsy</i>
03:00 - 05:00		Frontal lobe epilepsy semiology and imaging (workshop: MRI analysis and case studies)	<i>All staff members</i>
05:00 - 06:00		Dinner	
Day 2: Friday 26th September			speaker
09:30 - 09:50	Posterior Quadrant epilepsy session	Posterior Quadrant epilepsy MRI anatomy lecture	<i>Dr. Michael Baghdadi</i>
9:50 - 10:10		Posterior Quadrant epilepsy semiology lecture	<i>Dr. Haytham Rizk</i>
10:10 - 10:30		Surgical management options for posterior quadrant focal DRE	<i>Prof. Ahmed Morsy</i>
10:30 - 12:30		Posterior Quadrant epilepsy (workshop: MRI analysis and case studies)	<i>All staff members</i>
12:30 - 02:00		Gomaa Prayer and coffee break 1	
02:00 - 02:20	Hemispheric epilepsy session	Hemispheric epilepsy MRI anatomy/pathology lecture	<i>Dr. Mina Fahry</i>
02:20 - 02:40		Hemispheric epilepsy clinical presentation Lecture	<i>Prof. Alshaimaa Shaboun</i>
02:40 - 03:00		Surgical management options for drug-resistant hemispheric epilepsy	<i>Prof. Ahmed Morsy</i>
03:00 - 05:00		Hemispheric epilepsy (workshop: MRI analysis & case studies)	<i>All staff members</i>
05:00 - 05:20		closing Session (Semiology Quiz) and group photo	

Small Group Case discussions:









The instructors of the Course:

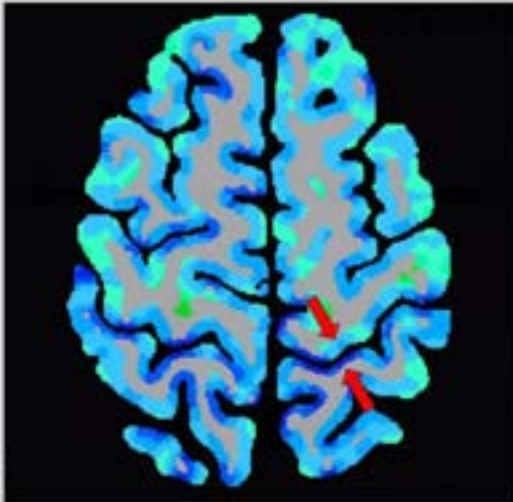


Course group photo: instructors and candidates:



from the virtual session:

Workplace Meeting



Precentral gyrus is **Thicker** than the Postcentral gyrus

ILM5

Table

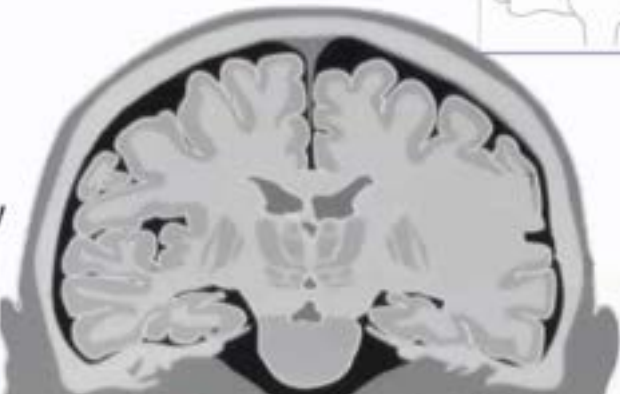
- Subir
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- Muhammad Ab...
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- Nurween khalid

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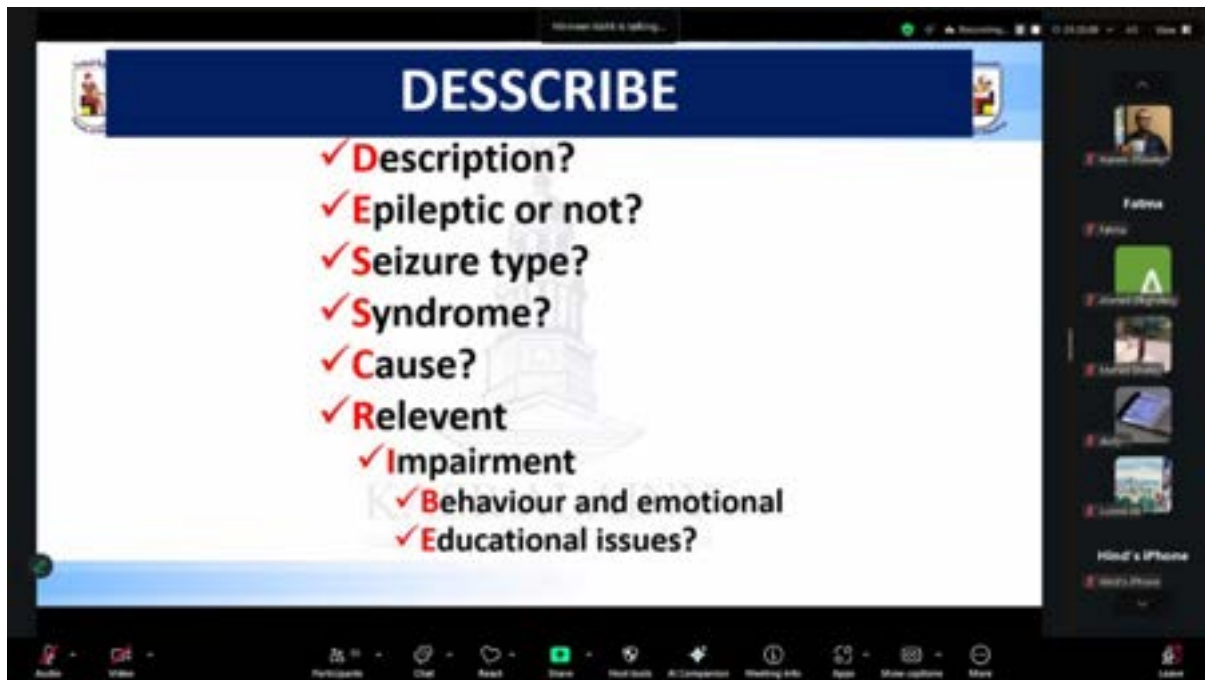
Insula

- ✓ Perioral paresthesia
- ✓ Throat sensation
- ✓ Hyper salivation
- ✓ Choking
- ✓ Retching & palpitation
- ✓ Variable semiology but

Stereotypic



Audio Video Participants Chat Meet Share Meet Tools All Connections Meeting Info Apps More options More Leave



Copy of certificate of attendance:

