

# Emergencies in Neurometabolic Disorders and Possible Differential Diagnosis

SUMMER SCHOOL

**Meeting**

03.07.25 -  
04.07.25

Hybrid  
16,5 teaching  
hours

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## Emergencies in Neurometabolic Disorders, a new interactive educational event designed to enhance your expertise in managing acute neurometabolic conditions and their differential diagnoses.

This exciting two-day course consists of eight immersive modules covering key aspects of neurometabolic emergencies and their differential diagnoses. Participants will delve into crucial topics such as acute metabolic decompensations, neuroimaging patterns, emergency interventions, and mimicking conditions.

The course offers insightful lectures from leading international experts, interactive clinical case discussions, a stimulating pro/con debate, and a high-energy quiz competition.

Join us for an engaging and educational experience at the forefront of neurometabolic emergency care!

### Course director

**Angeles García Cazorla.** Professor of Pediatric Neurology and Neurometabolism Universitat de Barcelona y SJD Barcelona Children's Hospital Barcelona.

### Registration:

Fee Type	Until 31/05/2025	From 01/06/2025
In-person	250 €	280 €
Online	170 €	200 €
Online LMIC Low & Middle Income Countries (LMIC and Latam)*	130 €	150 €



(\* LMIC (low & middle income countries) according to the <https://data.worldbank.org/income-level/low-and-middle-income> and Latam.

### Contact

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### Training Objectives

- Acute metabolic disorders are critical conditions that require prompt recognition and treatment in the emergency room.
- These disorders often present with nonspecific symptoms such as lethargy, vomiting, or altered mental status, which can mimic other conditions.
- They can also manifest as acute psychosis or catatonia, acute regression, epilepsy, and movement disorders that can mimic other disorders.
- Early identification and management of these conditions in the emergency setting are essential to prevent irreversible outcomes.
- The symposium aims to bring together experts in the metabolic field to ensure effective recognition and management.
- Pediatricians, neurologists, and metabolicicians will be equipped with practical and collaborative tools for managing these disorders.

### Thursday, 03 July 2025

09:00 - 09:10 h

#### WELCOME

09:10 - 09:40 h

Overview of metabolic disorders in an emergency room.  
Angeles Garcia-Cazorla, Spain.

#### NEONATES IN EMERGENCY SETTINGS

Chair: Carmen Fons, Spain.

09:40 - 09:45 h

Introduction

09:45 - 10:25 h

Neonates in Emergency Settings.  
Diego Martinelli, Italy

10:25 - 10:45 h

Discussion

10:45 - 11:05 h

Clinical case + quiz  
Sheila Wong and Wing Fu, Hong Kong.

11:05 - 11:30 h

Coffee break

#### EPILEPSY IN EMERGENCY SETTING

Chair: Alexis Arzimanoglou, France/Spain.

11:30 - 11:35 h

Introduction

11:35 - 12:15 h

Epilepsy in Emergency Settings  
Barbara Plecko, Austria

12:15 - 12:35 h

Discussion

12:35 - 12:55 h

Clinical case + quiz  
Sheila Wong and Wing Fu, Hong Kong.

12:55 - 14:00 h

Lunch | Workshop: Treatable Leukodystrophies: early diagnosis as a matter of urgency.

#### ACUTE REGRESSION

Chair: Angeles Garcia-Cazorla, Spain

14:00 - 14:05 h

Introduction

14:05 - 14:45 h

Acute regression and differential diagnosis.  
Gabriella Hovarth, Canada

14:45 - 15:05 h

Discussion

15:05 - 15:25 h

Clinical case + quiz  
Sheila Wong and Wing Fu, Hong Kong.

15:25 - 15:50 h

Coffee break

## ACUTE ENCEPHALOPATHY

Chair: Roser Pons, Greece.

**15:50 -  
15:55 h**

Introduction

**15:55 -  
16:25 h**

Acute encephalopathy in neurometabolic diseases.

Alejandra Darling, Spain

**16:25 -  
16:35 h**

Acute encephalopathy - differential diagnosis.

Thais Armangué, Spain

**16:35 -  
16:55 h**

Discussion

**16:55 -  
17:15 h**

Clinical case + quiz

Sheila Wong and Wing Fu, Hong Kong.

## Friday, 04 July 2025

## ACUTE EMERGENCIES IN BETA-OXIDATION AND MITOCHONDRIAL DISORDERS

Chair: Shamima Rhaman, UK.

**09:00 -  
09:05 h**

Introduction

**09:05 -  
09:45 h**

Acute emergencies in beta-oxidation and mitochondrial disorders.

José Abdenur, US/Argentina.

**09:45 -  
10:00 h**

Acute rhabdomyolysis.

Miguel Angel Fernández, Spain.

**10:00 -  
10:10 h**

Differential diagnosis.

Carlos Ortez, Spain

**10:10 -  
10:30 h**

Discussion

**10:30 -  
10:50 h**

Clinical case + quiz

Sheila Wong and Wing Fu, Hong Kong.

**10:50 -  
11:15 h**

Coffee break



## ACUTE MOVEMENT DISORDER

Chair: Dario Ortigoza, Spain.

**11:15 -  
11:20 h**

Introduction

**11:20 -  
11:40 h**

Status Dystonicus.

Darius Ebrahimi, USA.

**11:40 -  
11:50 h**

DBS in acute refractory status dystonicus.

Yang, Kathryn, USA.

**11:50 -  
12:20 h**

Acute movement disorder

Roser Pons, Greece.

**12:20 -  
12:40 h**

Discussion

**12:40 -  
13:00 h**

Clinical case + quiz

Sheila Wong and Wing Fu, Hong Kong.

**13:00 -  
14:00 h**

Lunch | Workshop: Emergencies in Neurotransmitter Disorders.



## ACUTE PSYCHIATRIC DISORDER

Chair: Roser Pons, Greece.

**14:00 -  
14:05 h**

Introduction

**14:05 -  
14:45 h**

Acute psychiatric disorders.

Fanny Moche, France.

**14:45 -  
15:05 h**

Discussion

**15:05 -  
15:25 h**

Clinical case + quiz

Sheila Wong and Wing Fu, Hong Kong.

## CLINICAL CASES

Chair: Diego Martinelli and Angeles Garcia-Cazorla.

**15:25 -  
15:30 h**

Introduction

**15:30 -  
15:45 h**

Clinical case 1

**15:45 -  
16:00 h**

Clinical case 2

**16:00 -  
16:15 h**

Clinical case 3

**16:15 -  
16:30 h**

Clinical case 4

**16:30 -  
16:45 h**

Clinical case 5

**16:30 -  
17:00 h**

Discussion

**17:00 -  
17:15 h**

**SYMPOSIUM CLOSURE**

**17:15 -  
17:45 h**

**COCKTAIL**

## GUIDELINES FOR SUBMISSION OF CLINICAL CASES / CASE SERIES

We encourage you to submit clinical cases (resolved or unresolved) or interesting case series to present at the conference and discuss with the experts. The presentation time will be 10 minutes, followed by 5 minutes for discussion.

### Important Deadlines:

- Abstracts for selection can be submitted until **31 May 2025, 23:59 (Barcelona time)**.
- For the selected cases, the presenting author must **register for the course** and present the case **in person on the afternoon of Friday, 04 July**.
- The selected cases will receive **a certificate for the Best Oral Presentation Award** and **a complimentary registration for the next year's course**.

### How to Submit an Abstract:

To submit an abstract, please send **3 documents in PDF** format to the email address:

[hospitalbarcelona.formacion@sjd.es](mailto:hospitalbarcelona.formacion@sjd.es)

Use the subject line: **Case for Emergencies in Neurometabolic Disorders Symposium**.

### Documents to Attach:

#### 1. Abstract of the Case or Case Series

This should include:

- Title, authors, and affiliations
- Introduction, clinical case, and discussion
- Figure or image (optional but recommended)
- References (optional)
- **Maximum length:** 300 words (excluding title, authors, affiliations, and references).

2. **Letter:** A letter explaining the uniqueness of the case and the reasons for presenting it at the course.

#### 3. Brief CV/Training Summary of the Presenting Author

- **Maximum length:** 200 words.

" The three best cases will receive a certificate for the Best Oral Presentation Award and a complimentary registration for next year's annual Neurometabolic Summer School Symposium."