

8th Eilat International Educational Course:
PHARMACOLOGICAL TREATMENT OF EPILEPSY
Jerusalem, Israel, September 8-13, 2019



under the auspices of
The International League Against Epilepsy - Commission on European Affairs (ILAE-CEA)

ORGANIZING COMMITTEE
S.I. Johannessen, Norway, *Chairperson*
M. Bialer, Israel
J.H. Cross, UK
N. Specchio, Italy
T. Tomson, Sweden
E. Trinka, Austria

COURSE PROGRAM

SUNDAY, SEPTEMBER 8, 2019

All day Arrival and hotel check-in

17:00 Registration and Distribution of Course Material

19:30 Get-Together, Prima Royale Hotel

MONDAY, SEPTEMBER 9, 2019

08:00 - 08:45 **OPENING SESSION** *Auditorium de Botton*

WELCOME ADDRESS AND INTRODUCTION TO THE COURSE
S.I. Johannessen, Chair, Organizing Committee, Norway
M. Bialer, ILAE-EUROPE (CEA), Past Chair and Organizing Committee, Israel
E. Trinka, ILAE-EUROPE (CEA), Chair and Organizing Committee, Austria
E. Perucca, ILAE Immediate Past President, Italy

INTRODUCTION TO THE COURSE
T. Tomson, Organizing Committee, Sweden

STUDENT INTRODUCTIONS
Each student to present him/herself

08:45 - 10:15 **INTRODUCTORY LECTURE** *Auditorium de Botton*

Chairpersons: **E. Beghi**, Italy
T. Tomson, Sweden

08:45 DEFINITIONS, CLASSIFICATION AND EPIDEMIOLOGY OF SEIZURES, STATUS EPILEPTICUS AND EPILEPSIES
E. Perucca, Italy (for definition/classification)
E. Beghi, Italy (for epidemiology of Seizures and Epilepsies)
E. Trinka, Austria (for status epilepticus)

10:00 Discussion

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MONDAY, SEPTEMBER 9, 2019 (continued)

10:15 - 12:30 Session I: *Auditorium de Botton*
THE PHARMACOLOGY OF AEDs

Chairpersons: **E. Perucca**, Italy
M. Bialer, Israel

10:15 ANTISEIZURE MEDICINES: MECHANISMS OF ACTION AND RATIONAL
POLYPHARMACY
H.S. White, USA

11:00 Discussion

11:15 *Coffee Break*

11:45 EXPERIMENTAL MODELS FOR THE DISCOVERY AND TESTING OF NEW
AEDs
H.S. White, USA

12:15 Discussion

12:30 – 16:00 Session II: *Auditorium de Botton*
**PHARMACOKINETICS AND
THERAPEUTIC DRUG MONITORING**

Chairpersons: **C. Johannessen Landmark**, Norway
H.S. White, USA

12:30 BASIC PRINCIPLES OF PHARMACOKINETICS, WITH CLINICAL EXAMPLES
M. Bialer, Israel

13:15 Discussion

13:30 *Light Lunch*

14:30 PHARMACOKINETIC VARIABILITY OF AEDs IN SPECIAL PATIENT
POPULATIONS
C. Johannessen Landmark, Norway

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MONDAY, SEPTEMBER 9, 2019 (continued)

- 15:00 Discussion
- 15:15 THERAPEUTIC DRUG MONITORING IN AED THERAPY
S.I. Johannessen, Norway
- 15:45 Discussion
- 16:00 *Coffee Break*

16:30 – 17:30 **POSTER PRESENTATIONS I – see page 23** *Auditorium de Botton*
5 minutes per poster presenter
Chairpersons: **E. Perucca**, Italy and **E. Beghi**, Italy

- 17:30 EMERGING AND FUTURE THERAPIES
E. Perucca, Italy
- 18:15 Discussion
- 19:30 *Dinner*

TUESDAY, SEPTEMBER 10, 2019

08:00 - 09:45 Session III: *Auditorium de Botton*
DRUG INTERACTIONS

Chairpersons: **S. I. Johannessen**, Norway
E. Trinka, Austria

- 08:00 MECHANISMS AND PREDICTIONS OF PHARMACOKINETIC INTERACTIONS
OF AEDs –THEORETICAL ASPECTS
R.H. Levy, USA and **M. Bialer**, Israel
- 08:45 Discussion
- 09:00 CLINICALLY RELEVANT DRUG INTERACTIONS, WITH EXAMPLES
R.H. Levy, USA and **M. Bialer**, Israel

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TUESDAY, SEPTEMBER 10, 2019 (Continued)

09:30 Discussion

09:45 *Coffee Break*

10:15 - 11:45 **CLINICAL CASES: CLINICAL PK & DRUG INTERACTIONS I (in groups)** *Auditorium de Botton & Fostel Room*
Tutors: **M. Bialer**, Israel, **S. I. Johannessen**, Norway,
C. Johannessen Landmark, Norway, **E. Perucca**, Italy, **T. Tomson**, Sweden

11:45 CONTROLLED AND UNCONTROLLED DRUG TRIALS IN EPILEPSY
E. Perucca, Italy

12:30 Discussion

12:45 *Light Lunch*

13:45 – 14:45 **POSTER PRESENTATIONS II – see page 24** *Auditorium de Botton*
5 minutes per poster presenter
Chairpersons: **E. Trink**a, Austria and **J.H. Cross**, UK

14:45 - 16:00 **CLINICAL CASES: CLINICAL PK & DRUG INTERACTIONS II (in groups)** *Auditorium de Botton & Fostel Room*
Tutors: **M. Bialer**, Israel, **S. I. Johannessen**, Norway,
C. Johannessen Landmark, Norway, **E. Perucca**, Italy, **T. Tomson**, Sweden

16:00 *Coffee Break*

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TUESDAY, SEPTEMBER 10, 2019 (Continued)

16:15 - 18:45 Session IV: *Auditorium de Botton*
ASSESSING EFFICACY AND SAFETY (1)

Chairpersons: **E. Perucca**, Italy
T. Tomson, Sweden

16:15 THERAPIES IN IMMUNE MEDIATED EPILEPSIES
E. Trinka, Austria

17:00 Discussion

17:15 WHEN TO TREAT - AND WITH WHAT DOSAGE?
T. Tomson, Sweden

17:45 Discussion

16:00 SELECTION OF DRUGS FOR INITIAL TREATMENT OF CHILDREN
J.H. Cross, UK

18:30 Discussion

19:30 *Dinner*

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WEDNESDAY, SEPTEMBER 11, 2019

08:00 - 12:45 Session V: *Auditorium de Botton*
ASSESSING EFFICACY AND SAFETY (2)

Chairpersons: **M. Koepp**, UK
J.H. Cross, UK

08:00 THE 4 PHASES OF DRUG DEVELOPMENT AND REGULATORY AFFAIRS
M. Bialer, Israel

08:45 Discussion

09:00 STATISTICAL PRINCIPLES APPLIED TO DESIGN AND ANALYSIS OF CLINICAL
TRIALS
E. Beghi, Italy

09:30 Discussion

09:45 *Coffee break*

10:15 ANTIEPILEPTOGENESIS TRIALS
M. Koepp, UK

10:45 Discussion

11:00 SPECIFICITIES OF TRIAL DESIGN FOR CHILDREN
J.H. Cross, UK

11:45 Discussion

12:00 META-ANALYSIS: ADVANTAGES AND LIMITATIONS
E. Beghi, Italy

12:30 Discussion

12:45 *Light Lunch*

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WEDNESDAY, SEPTEMBER 11, 2019 (continued)

13:30 – 14:30 **POSTER PRESENTATIONS III – see page 25** *Auditorium de Botton*
5 minutes per poster presenter
Chairpersons: **H.S. White**, USA and **C. Johannessen Landmark**, Norway

15:00 *Afternoon walking tour (to depart directly after sessions)*

19:30 *Dinner*

THURSDAY, SEPTEMBER 12, 2019

08:30 - 09:15 Session VI: *Auditorium de Botton*
OPTIMIZING MEDICAL MANAGEMENT (1)

Chairpersons: **M. Koepp**, UK,
E. Trinka, Austria

08:30 ADVERSE EFFECTS OF ANTIEPILEPTIC DRUGS
E. Trinka, Austria

09:00 Discussion

09:15 – 10:15 **POSTER PRESENTATIONS IV – see page 26** *Auditorium de Botton*
5 minutes per poster presenter
Chairpersons: **M. Koepp**, UK and **S.I. Johannessen**, Norway

10:15 *Coffee break*

10:45 - 12:15 Session VI: *Auditorium de Botton*
OPTIMIZING MEDICAL MANAGEMENT (1) Continued

Chairpersons: **H.S. White**, USA
M. Koepp, UK

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THURSDAY, SEPTEMBER 12, 2019 (Continued)

10:45 SELECTION OF DRUGS FOR INITIAL TREATMENT OF ADULTS
E. Trinka, Austria

11:15 Discussion

11:30 PREGNANCY AND BREAST-FEEDING
T. Tomson, Sweden

12:00 Discussion

12:15 *Light Lunch*

13:30 - 18:30 Session VI: *Auditorium de Botton*
OPTIMIZING MEDICAL MANAGEMENT (1) Continued

Chairpersons: **F. Vigevano**, Italy
M. Koepp, UK

13:30 CRITICAL INTERPRETATION OF DRUG TRIALS IN EPILEPSY
E. Perucca, Italy

14:00 Discussion

14:15 WHAT STRATEGY WHEN THE INITIAL DRUG FAILS
E. Beghi, Italy

14:45 Discussion

15:00 *Coffee break*

15:30 THE MEDICAL TREATMENT OF CHRONIC EPILEPSY
S. Shorvon, UK and **M. Koepp**, UK

16:00 Discussion

16.15 SEVERE CHILDHOOD EPILEPSIES
F. Vigevano, Italy

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THURSDAY, SEPTEMBER 12, 2019 (Continued)

- 16:45 Discussion
- 17:00 SEIZURE AGGRAVATION BY ANTIEPILEPTIC DRUGS
E. Perucca, Italy
- 17:30 Discussion
- 17:45 TERMINATION OF AED THERAPY IN SEIZURE FREE PATIENTS
M. Koepp, UK
- 18:15 Discussion
- 19:30 *Dinner*

FRIDAY, SEPTEMBER 13, 2019

08:30 - 12:45 Session VII: *Auditorium de Botton*
OPTIMIZING MEDICAL MANAGEMENT (2):
SPECIAL SITUATIONS/SPECIAL GROUPS

Chairpersons: **M. Neufeld**, Israel
F. Vigevano, Italy

- 08:30 PHARMACOLOGICAL TREATMENT OF STATUS EPILEPTICUS AND ACUTE
REPETITIVE SEIZURES
S. Shorvon, UK and **R. Pressler**, UK
- 09:00 Discussion
- 09:15 DEALING WITH CRITICAL SITUATIONS IN MANAGING EPILEPSY IN
RESOURCE-RESTRICTED SETTINGS
O. Ciccone, Zambia
- 09:45 Discussion
- 10:00 *Coffee break*
- 10:30 PEDIATRICS 1 - IDIOPATHIC GENERALIZED EPILEPSIES: OUTCOME AND
MANAGEMENT
F. Vigevano, Italy

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FRIDAY, SEPTEMBER 13, 2019 (continued)

11:00	Discussion	
11:15	PEDIATRICS 2 ALTERNATIVE TREATMENTS IN PEDIATRICS N. Specchio , Italy	
11:45	Discussion	
12:00	TREATMENT OF EPILEPSIES IN THE ELDERLY M. Neufeld , Israel	
12:30	Discussion	
12:45	<i>Lunch</i>	
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13:30 – 14:30	POSTER PRESENTATIONS V – see page 27 <i>5 minutes per poster presenter</i> Chairpersons: F. Vigevano , Italy and N. Specchio , Italy	<i>Auditorium de Botton</i>
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14:45	<i>Coffee Break</i>	
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15:00 - 17:30	JOURNAL CLUB TUTORIAL Tutors: O. Ciccone , Zambia, D. Ekstein , Israel, M. Neufeld , Israel, E. Perucca , Italy, N. Specchio , Italy, T. Tomson , Sweden, S. Uliel-Sibony , Israel, F. Vigevano , Italy	<i>Auditorium de Botton & Fostel Room</i>
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19:30	<i>Dinner</i>	