

COURSE PROGRAM

SUNDAY, SEPTEMBER 2, 2007

All Day Arrival and hotel check-in

16:00 - 20:00 Registration and Distribution of Course Material

20:00 Get-Together, Princess Hotel

MONDAY, SEPTEMBER 3, 2007

08:30 - 09:15 Opening Session Massada Hall

WELCOME ADDRESS AND INTRODUCTION TO THE COURSE

M. Bialer, Chairperson, Organizing Committee, Israel
S.I. Johannessen, CEA Past Chairperson, Norway
A. Guekht, EAC Chairperson, Russia
P. Wolf, ILAE President, Denmark
W. Lammert, Chairperson, Epilepsy Therapy Development Project, USA

INTRODUCTION TO THE COURSE

T. Tomson, Organizing Committee, Sweden

STUDENT INTRODUCTIONS

Each student to present him/herself

09:15 - 10:00 INTRODUCTORY LECTURE Massada Hall

Chairpersons: **G. Avanzini**, Italy
 H.S. White, USA

09:15 DEFINITIONS, CLASSIFICATION AND EPIDEMIOLOGY OF SEIZURES AND
 EPILEPSY

P. Wolf, ILAE President, Denmark

09:45 Discussion

MONDAY, SEPTEMBER 3, 2007 (continued)

10:00 - 14:30

Session I

Massada Hall

THE PHARMACOLOGY OF AEDs

Chairpersons: **G. Avanzini**, Italy
H.S. White, USA

10:00 MECHANISMS OF ACTION OF AEDs
H.S. White, USA

10:30 Discussion

10:45 *Coffee Break*

11:15 EXPERIMENTAL MODELS FOR THE DISCOVERY AND TESTING OF AEDs
H.S. White, USA

11:45 Discussion

12:00 ANTIEPILEPTIC VS ANTIEPILEPTOGENIC EFFECTS
G. Avanzini, Italy

12:30 Discussion

12:45 *Lunch*

13:45 MECHANISMS OF DRUG RESISTANCE
S. Shorvon, UK

14:15 Discussion

MONDAY, SEPTEMBER 3, 2007 (cont.)

14:30 - 18:00

Session II

Massada Hall

PHARMACOKINETICS AND THERAPEUTIC DRUG MONITORING

Chairpersons: **S.I. Johannessen**, Norway
R.H. Levy, USA

14:30 BASIC PRINCIPLES OF PHARMACOKINETICS

M. Bialer, Israel

15:00 Discussion

15:15 THE PHARMACOKINETICS OF AEDs: AN OVERVIEW

M. Bialer, Israel

15:45 Discussion

16:00 *Coffee Break*

16:30 PHARMACOKINETICS OF AEDs IN SPECIAL POPULATIONS

S.I. Johannessen, Norway, **C. Johannessen Landmark**, Norway

17:00 Discussion

17:15 PHARMACOKINETIC OPTIMIZATION OF AED THERAPY UTILIZING TDM

S. I. Johannessen, Norway

17:45 Discussion

18:00 - 19:00

GUIDED PK PROBLEM SOLVING EXERCISES

Massada Hall
Carmel Hall

(breakdown into groups)

M. Bialer, Israel, **S.I. Johannessen**, Norway, **C. Johannessen Landmark**, Norway
R. H. Levy, USA, **P. Patsalos**, UK

19:30 *Dinner*

TUESDAY, SEPTEMBER 4, 2007

09:00 - 10:30 **GUIDED PK PROBLEM SOLVING EXERCISES (cont.)** Massada Hall
Carmel Hall

(breakdown into groups)

M. Bialer, Israel, **S.I. Johannessen**, Norway, **C. Johannessen Landmark**, Norway

R.H. Levy, USA, **P. Patsalos**, UK

10:30 *Coffee Break*

11:00 - 14:45 Session III Massada Hall

DRUG INTERACTIONS

Chairpersons: **M. Bialer**, Israel
 R.H. Levy, USA

11:00 MECHANISMS AND PREDICTION OF METABOLIC BASED INTERACTIONS OF
AEDs
R.H. Levy, USA

11:30 Discussion

11:45 MECHANISM AND PREDICATION OF TRANSPORTER-BASED INTERACTIONS
OF AEDs
R.H. Levy, USA

12:15 Discussion

12:30 *Lunch*

14:00 CLINICALLY-RELEVANT DRUG INTERACTIONS IN EPILEPSY
P. Patsalos, UK

14:30 Discussion

14:45 *Coffee Break*

15:15 - 16:45 **CASE STUDIES, DRUG INTERACTIONS** Massada Hall
Carmel Hall

GUIDED PROBLEM SOLVING EXERCISES (breakdown into groups)

F. Besag, UK, **M. Bialer**, Israel, **E. Perucca**, Italy, **R. H. Levy**, USA

T. Tomson, Sweden

19:00 *Dinner*

WEDNESDAY, SEPTEMBER 5, 2007

09:00 - 13:00

Session IV

Massada Hall

ASSESSING EFFICACY AND SAFETY (1)

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

09:00 THE 4 PHASES OF DRUG DEVELOPMENT
M. Bialer, Israel

09:30 Discussion

09:45 RANDOMIZED CONTROLLED TRIALS
M. Baulac, France

10:15 Discussion

10:30 *Coffee Break*

11:00 SPECIFICITIES OF TRIAL DESIGNS FOR CHILDREN
F. Besag, UK

11:30 Discussion

11:45 STATISTICAL PRINCIPLES APPLIED TO DESIGN AND ANALYSIS
E. Bonizzoni, Italy

12:15 Discussion

12:30 STATISTICAL METHODS AND TRIAL DESIGN: PANEL DISCUSSION
M. Baulac, France, **F. Besag**, UK, **M. Bialer**, Israel, **E. Bonizzoni**, Italy

13:00 *Lunch Break*

WEDNESDAY, SEPTEMBER 5, 2007 (continued)

14:30 - 18:00

Session V

Massada Hall

ASSESSING EFFICACY AND SAFETY (2)

Chairpersons: **M.J. Brodie**, UK
K. Malmgren, Sweden

14:30 METANALYSIS
E. Beghi, Italy

15:00 Discussion

15:15 REGULATORY AFFAIRS OF AEDs
M. Baulac, France

15:45 Discussion

16:00 *Coffee Break*

16:30 UNCONTROLLED STUDIES
E. Perucca, Italy

17:00 Discussion

17:15 PRAGMATIC TRIALS
M.J. Brodie, UK

17:45 Discussion

19:00 BBQ *Dinner*

THURSDAY, SEPTEMBER 6, 2007

09:00 - 12:30

Session VI

Massada Hall

OPTIMIZING MEDICAL MANAGEMENT (1)

Chairpersons: **G. Avanzini**, Italy
P. Wolf, Denmark

09:00 TO TREAT OR NOT TO TREAT?
T. Tomson, Sweden

09:30 Discussion

09:45 SELECTION OF DRUGS FOR INITIAL TREATMENT OF CHILDREN
F. Besag, UK

10:15 Discussion

10:30 *Coffee Break*

11:00 SELECTION OF DRUGS FOR INITIAL TREATMENT OF ADULTS
M.J. Brodie, UK

11:30 Discussion

11:45 OPTIMIZING DOSAGE
T. Tomson, Sweden

12:15 Discussion

12:30 *Lunch*

14:00 - 17:00

Session VII

Massada Hall
Carmel Hall

Tutorials with discussion of clinical problem cases

M. Baulac, France, **F. Besag**, UK, **M.J. Brodie**, UK, **K. Malmgren**, Sweden,
F. Vigevano, Italy, **P. Wolf**, Denmark

19:00 Dinner

FRIDAY, SEPTEMBER 7, 2007

09:00 - 12:30

Session VIII

Massada Hall

OPTIMIZING MEDICAL MANAGEMENT (2)

Chairpersons: **A. Guekht**, Russia
Ç. Özkara, Turkey

09:00 WHAT STRATEGY WHEN THE INITIAL DRUG FAILS
E. Beghi, Italy

09:30 Discussion

09:45 MANAGING THE SEVERELY REFRACTORY PATIENT
Ç. Özkara, Turkey

10:15 Discussion

10:30 *Coffee Break*

11:00 SEIZURE AGGRAVATION BY AEDs
E. Perucca, Italy

11:30 Discussion

11:45 TERMINATION OF AED THERAPY IN SEIZURE FREE PATIENTS
K. Malmgren, Sweden

12:15 Discussion

12:30 *Lunch Break*

14:00 - 16:30

JOURNAL CLUB TUTORIAL

Massada Hall

Tutors:
F. Besag, UK, **K. Malmgren**, Sweden, **Ç. Özkara**, Turkey, **E. Perucca**, Italy,
S. Shorvon, UK, **F. Vigevano**, Italy

16:30 *Coffee Break*

19:00 *Dinner*

SATURDAY, SEPTEMBER 8, 2007

08:30 - 12:45

Session IX

Massada Hall

OPTIMIZING MEDICAL MANAGEMENT (2): SPECIAL SITUATIONS/SPECIAL GROUPS

Chairpersons: **S. Shorvon**, UK
F. Vigevano, Italy

08:30 ACUTE REPETITIVE SEIZURES AND STATUS EPILEPTICUS
S. Shorvon, UK

09:00 Discussion

09:15 PREGNANCY AND BREAST FEEDING
T. Tomson, Sweden

09:45 Discussion

10:00 *Coffee Break*

10:30 CO-MORBIDITIES
A. Guekht, Russia

11:00 Discussion

11:15 PEDIATRICS
F. Vigevano, Italy

11:45 Discussion

12:00 THE ELDERLY
M. Neufeld, Israel

12:30 Discussion

12:45 *Lunch Break*

Afternoon *At Leisure*

20:00 *Farewell Dinner*