

Monday, 9 November 2020



FONDAZIONE
MONDINO
Istituto Neurologico Nazionale
a Carattere Scientifico | IRCCS

Sistema Sanitario Regione
Lombardia

 VIDEO CONFERENCE

THERAPEUTIC DRUG MONITORING OF ANTISEIZURE MEDICATIONS: CURRENT STATUS AND PERSPECTIVES

Antiseizure medications (ASMs) are the mainstay of the treatment of epilepsy. There are currently 27 marketed ASMs, most of which are subject to therapeutic drug monitoring (TDM). The concept of TDM for ASMs has changed profoundly over the years, moving from the simple measurement of drug concentration in biological fluids and development of new analytical techniques in the early sixties to a fundamental role in the individualized management of therapy. The wide pharmacokinetic variability of ASMs results in extensive variability in serum drug concentrations among patients receiving the same dose. Moreover, serum ASM concentrations can vary over time within individuals due to drug interactions, physiological changes in drug clearance, the impact of comorbidities, and changes in adherence. TDM can be highly beneficial in guiding dose adjustments in these situations. TDM is particularly valuable in clinical settings associated with prominent inter- and intra-individual pharmacokinetic variability, such as pediatric age, pregnancy, the elderly and patients on polytherapy. The aim of this symposium is to provide an overview of current evidence on the rationale, indications and implementation of TDM of ASMs in clinical practice.

SCIENTIFIC PROGRAMME (Official language: English)

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- 11.00** GREETINGS
Emilio Perucca
*University of Pavia and IRCCS Mondino Foundation,
Pavia (Italy)*
Emilio Russo
*Science of Health Department, School of Medicine,
University "Magna Graecia" of Catanzaro (Italy)*
- 11.10** THERAPEUTIC DRUG MONITORING (TDM) OF ANTISEIZURE
MEDICATIONS: USEFULNESS AND LIMITATIONS
Valentina Franco
*University of Pavia and IRCCS Mondino Foundation,
Pavia (Italy)*
- 11.45** WHICH ANTISEIZURE MEDICATIONS SHOULD BE
PREFERENTIALLY MONITORED?
Cecilie Johannessen Landmark
*Faculty of Health Sciences, Oslo Metropolitan University,
Oslo and National Center for Epilepsy and Department
of Pharmacology, Oslo University Hospital (Norway)*
- 12.20** OPTIMAL APPLICATION OF TDM IN THE MANAGEMENT OF
EPILEPSY: GENDER ISSUES
Torbjörn Tomson
*Department of Clinical Neuroscience, Karolinska Institute,
Stockholm (Sweden)*
- 12.55** DISCUSSION
- 13.10** CONCLUDING REMARKS

SCIENTIFIC DIRECTOR IRCCS MONDINO FOUNDATION

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REGISTRATION

Online registration is required at the link:
http://corsi.mondino.it/corsi_list.php (after registering your
data on the platform).

Non-Italian participants must send their registration by
e-mail to ecm@mondino.it.

The link to take part to the Video Conference, will be sent by
e-mail to all the participants.

ECM CREDITS FOR ITALIAN PARTICIPANTS

Provider IRCCS Fondazione Mondino n. 5467. *

Obiettivo formativo di processo n. 3: Documentazione Clinica.
Percorsi Clinico-Assistenziali/Diagnostici/Riabilitativi,
Profili di Assistenza - Profili di Cura.

L'evento è accreditato in ambito ECM-CPD (n. 2 crediti
formativi) per le seguenti figure professionali: biologo;
chimico (chimica analitica); farmacista (farmacia ospedaliera
e territoriale); medico chirurgo (biochimica clinica,
farmacologia e tossicologia, medicina generale (medici di
famiglia); neurofisiopatologia; neurologia; neuropsichiatria
infantile; patologia clinica (laboratorio analisi chimico-
cliniche e microbiologia); pediatria; pediatria (pediatri di
libera scelta); psichiatria); tecnico neurofisiopatologia;
tecnico sanitario di laboratorio biomedico.

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delle domande del test di apprendimento, disponibile in
piattaforma al termine dell'incontro.