

Contents

Preface	VII
Workshop participants	IX
List of authors	XI
SEIZURES AND SYNDROMES IN NEONATES	
Foundations of neonatal epileptology: classification of seizures and epilepsies in the neonate and their etiology, electroencephalography, prognosis and pathophysiology <i>Eli M. Mizrahi, Ronit M. Pressler</i>	1
EEG monitoring in neonatal seizures: what is done, what could be done? <i>Sylvie Nguyen The Tich</i>	17
Neuro-imaging in neonatal seizures <i>Lauren C. Weeke, Linda G. van Rooij, Mona C. Toet, Floris Groenendaal, Linda S. de Vries</i>	27
Clinical and electrographical neonatal seizures: to treat or not to treat <i>Lena Hellström-Westas</i>	39
Genetics of neonatal epilepsies and the forgotten epilepsy phenotypes <i>Maria Roberta Cilio, Michael S. Oldham</i>	49
Genetic basis of epileptic encephalopathy <i>Lucia Fusco, Domenico Serino, Giulia Barcia, Rima Nabbout</i>	61
Treatment of neonatal seizures with antiepileptic drugs <i>Chrysanthy Ikonomidou</i>	71
Neonatal seizures in hypoxic-ischaemic encephalopathy: the impact of therapeutic hypothermia <i>Evonne Low, Geraldine B. Boylan</i>	81

From conventional genetic analysis to next generation sequencing in diagnostics of epilepsies <i>Johannes R. Lemke</i>	95
Treatable newborn seizures due to inborn errors of metabolism <i>Jaume Campistol, Barbara Plecko</i>	105
Determining outcome from neonatal seizures <i>Francesco Pisani, Carlotta Spagnoli</i>	123
SEIZURES AND SYNDROMES IN INFANTS	
The epidemiology of infancy onset seizures <i>Christin Eltze</i>	139
Concept of epileptic encephalopathy: is it relevant? <i>Federico Vigevano, Nicola Specchio</i>	155
The role of EEG in the management of seizures in infancy <i>Thomas Bast</i>	163
Optimizing imaging in aiding management <i>William Davis Gaillard, Matthew Whitehead, Jonathan Murnick</i>	171
“Benign” epilepsies in infants: are they always benign? <i>Julitta de Bellescize, Nicola Specchio, Alexis Arzimanoglou</i>	185
Fever-susceptibility syndromes. Predicting outcome <i>Ingrid E. Scheffer, Rosemary Burgess, Christopher Reid</i>	205
Infantile spasms semiology and pathophysiology: have we made progress? <i>Douglas R. Nordli Jr</i>	213
Trials for the treatment of infant seizures: theory, practice, ethics and potential future trends <i>Andrew Lux, Finbar J. K. O’Callaghan</i>	223
The role of ketogenic diet <i>Giangennaro Coppola</i>	235
Optimizing treatment for neonatal and infantile seizures – Do guidelines have a role in management? <i>Jo M. Wilmshurst, J. Helen Cross</i>	249