

Volume 3

- Section 13: Epilepsies in Specified Group of Patients 1279**
Michail Koutroumanidis

- 189 Epilepsies in Children 1281**
Gregory L. Holmes

- 190 Epilepsies in Girls and Women 1289**
Pamela M. Crawford

191	Catamenial Epilepsy	1295
	<i>Nancy Foldvary-Schaefer</i>	
192	Epilepsies in Patients with Disabilities	1301
	<i>Bernd Huber</i>	
193	Epilepsies in the Elderly	1313
	<i>Kheng Seang Lim · Chong Tin Tan</i>	
Section 14: Comorbidities in Epilepsies		1321
	<i>Anne T. Berg</i>	
194	Comorbidities in Epilepsies: Overview	1323
	<i>Anne T. Berg</i>	
195	The Comorbidity of Epilepsy: Epidemiology, Mechanisms and Consequences	1325
	<i>Athanasios Gaitatzis</i>	
196	Cognition and Epilepsy	1331
	<i>John Langfitt</i>	
197	Common Psychiatric Comorbidities in Epilepsy: Epidemiologic, Pathogenic and Clinical Aspects	1337
	<i>Andres M. Kanner</i>	
198	Treatment of Comorbid Psychiatric Disorders in Epilepsy: A Review of Practical Strategies . . .	1345
	<i>Andres M. Kanner</i>	
199	Mortality in Epilepsy	1353
	<i>Nathalie Jetté · Samuel Wiebe</i>	
Section 15: Impact of Epilepsies		1359
	<i>Thalia Valeta</i>	
200	Impact of Epilepsies: Overview	1361
	<i>Thalia Valeta</i>	
201	Stigma and Discrimination in Epilepsy	1363
	<i>Thalia Valeta · Hanneke M. de Boer</i>	
202	Quality of Life in People with Epilepsy	1367
	<i>Charitomeni Piperidou · Anna Karlovasitou</i>	
203	Psychosocial Impact of Epilepsy in Children and Family	1371
	<i>Thalia Valeta</i>	
204	The Impact of Epilepsy on Women	1375
	<i>Pamela M. Crawford</i>	
205	Educational Aspects of Epilepsy	1379
	<i>Gill Gallagher</i>	

206	Can Long-Term Employment Outcome of Adults with Childhood-Onset Epilepsy be Predicted? Insights and Issues	1385
	<i>Dieter Schmidt · Matti Sillanpää</i>	
207	Epilepsy, Sports and Every Day Life	1389
	<i>Charalambos Kotsalis · Evangelos D. Paraskevoulakos</i>	
208	Epilepsy and Driving	1393
	<i>Laura K. Vogtle</i>	
209	Epilepsy and the Law	1395
	<i>Roy G. Beran</i>	
210	The Epilepsy Treatment Gap: Industrialized and Resource-poor Countries	1399
	<i>Giuliano Avanzini · Hanneke M. de Boer</i>	
211	Great Achievers Amongst People with Epilepsy Through History	1413
	<i>John R. Hughes</i>	
	Section 16: Management of Epilepsies I: Antiepileptic Drug (AED) Prophylactic Treatment	1417
	<i>Roy G. Beran</i>	
212	Antiepileptic Drug Prophylactic Treatment: Overview	1419
	<i>Roy G. Beran</i>	
213	Principles of Antiepileptic Drug Therapy	1421
	<i>Roy G. Beran</i>	
214	Pharmacological Properties of Antiepileptic Drugs and Their Significance in Clinical Practice	1425
	<i>Martin J. Brodie · Patrick Kwan</i>	
215	The Assessment of Antiepileptic Drugs: Randomized Controlled Trials, Regulation, Clinical Guidelines and Anecdotal Assessment	1431
	<i>Simon D. Shorvon</i>	
216	Seizure Prediction and Management Implications	1435
	<i>J. Chris Sackellares · Deng-Shan Shiau · Shivkumar Sabesan · Leon D. Iasemidis</i>	
217	Drug to Drug Interactions of Antiepileptic Drugs: Mechanisms of Interaction and Management Strategies	1447
	<i>Philip N. Patsalos</i>	
218	Drug to Drug Interactions of Antiepileptic Drugs (AEDs): I. Interactions Between AEDs	1459
	<i>Philip N. Patsalos</i>	
219	Drug to Drug Interactions of AEDs: II. Interactions Between AEDs and Non-AEDs	1465
	<i>Philip N. Patsalos</i>	
220	Adverse Drug Reactions of Antiepileptic Drugs	1473
	<i>Anne Sabers</i>	

221	Cardiac Effects of Antiepileptic Drugs	1479
	<i>Rashmi R. Shah</i>	
222	Therapeutic Drug Monitoring of Antiepileptic Drugs	1487
	<i>Dave Berry</i>	
223	The Use of Antiepileptic Drugs in Newly Diagnosed Epilepsy	1499
	<i>Ettore Beghi · Jacopo C. DiFrancesco</i>	
224	Antiepileptic Drug Management in Children	1505
	<i>Mathilde Chipaux · Olivier Dulac · Catherine Chiron · Rima Nababout</i>	
225	The Pharmacological Treatment of Epilepsy in Women	1515
	<i>Torbjörn Tomson</i>	
226	Teratogenicity and Pregnancy: Prophylactic Treatment of Epilepsy with Antiepileptic Drugs	1521
	<i>Frank John Emery Vajda</i>	
227	Pregnancy Registries in Epilepsies	1525
	<i>Stephen J. Hunt · John J. Craig · James I. Morrow</i>	
228	Hormones and Epilepsy	1531
	<i>Sandra Petty · John Wark</i>	
229	Epilepsy and Bone Health	1537
	<i>Sandra Petty · John Wark</i>	
230	The Pharmacological Treatment of Patients with Epilepsy and Learning Difficulties	1545
	<i>Johannes A. Carpay</i>	
231	The Pharmacological Treatment of Epilepsy in the Elderly	1553
	<i>Vasilios K. Kimiskidis</i>	
232	Treatment of Drug Resistant Epilepsy	1559
	<i>Ettore Beghi · Jacopo C. DiFrancesco</i>	
233	Psychological and Behavioral Issues of Antiepileptic Drug Prophylactic Treatment	1563
	<i>Steven C. Schachter</i>	
234	Use of Antiepileptic Medications and Pseudo-seizures	1567
	<i>Roy G. Beran</i>	
235	Antiepileptic Drugs in the Treatment of Psychiatric Disorders	1571
	<i>Kenneth R. Kaufman</i>	
236	Drug Treatment of Epilepsy: are Newer Drugs More Effective than Older Ones?	1577
	<i>Dieter Schmidt</i>	
237	Benefits and Risks of Generic Substitution in Epilepsy Management	1583
	<i>Kate M. Chitty · Roy G. Beran</i>	
238	Doctors, the Pharmaceutical Industry and Ethics	1589
	<i>Roy G. Beran</i>	

239	Pharmacogenetics and Pharmacogenomics in Epilepsies	1593
	<i>Dalia Kasperavičiūtė · Sanjay M. Sisodiya</i>	
240	Pharmacoconomics of Epilepsy Treatment	1599
	<i>Charles E. Begley</i>	
241	Pharmacoepidemiology and Antiepileptic Drugs	1603
	<i>Ioannis Tsiropoulos</i>	
242	Approach of the Food and Drug Administration in Development of Antiepileptic Drugs	1609
	<i>Sandipan Pati · Steve S. Chung</i>	
243	Approach of the European Medicines Agency in Development of Antiepileptic Drugs	1615
	<i>Michel Baulac</i>	

Section 17: Management of Epilepsies II: Non-Pharmacological Treatments, Surgery, Additional and Alternative Treatment for Epilepsies 1621

Selim R. Benbadis

244	Non-Pharmacological Treatments for Epilepsies: Overview	1623
	<i>Selim R. Benbadis</i>	

Part 1: Surgery for Epilepsies 1625

Selim R. Benbadis

245	Criteria for Referral to Epilepsy Surgery	1627
	<i>Tobias Loddenkemper</i>	

246	Presurgical Evaluation and Work-Up for Epilepsy	1635
	<i>Shaun Smart</i>	

247	Types of Surgical Treatment for Epilepsy	1641
	<i>Glen Pollock · Fernando L. Vale</i>	

248	Curative Surgery for Epilepsy	1647
	<i>Shaun Smart</i>	

249	Palliative Surgery for Epilepsy	1651
	<i>Clinton J. Burkett · Fernando L. Vale</i>	

250	Outcome of Epilepsy Surgery	1655
	<i>Peter Widdess-Walsh</i>	

251	Rehabilitation for Individuals with Epilepsy	1667
	<i>Mike R. Schoenberg · James G. Scott</i>	

Part 2: Additional and Alternative Treatments for Epilepsies 1675

Selim R. Benbadis

252	Brain Stimulation in Epilepsy	1677
	<i>Tobias Loddenkemper</i>	

253	The Ketogenic Diet in Epilepsies	1683
	<i>Hoda Elzawahry</i>	
254	Corticosteroid Therapy and Other Non-AED Treatments in Epilepsy	1689
	<i>Ali Bozorg</i>	
255	Sex Steroids in the Treatment of Epilepsy	1691
	<i>Ali Bozorg</i>	
256	Psychological Therapies in Epilepsy	1693
	<i>Susan D. M. Kelley</i>	
257	Complimentary and Alternative Medicine for Epilepsy	1697
	<i>Joseph I. Sirven</i>	
Section 18: Pharmacopoeia of Antiepileptic Drugs		1701
	<i>Andrew N. Wilner</i>	
258	Pharmacopoeia of Antiepileptic Drugs: Overview	1703
	<i>Andrew N. Wilner</i>	
259	Acetazolamide	1707
	<i>Collin A. Hovinga</i>	
260	Carbamazepine	1713
	<i>Paul Motika · Michael C. Smith</i>	
261	Clobazam	1719
	<i>Carol S. Camfield · Peter R. Camfield</i>	
262	Clonazepam	1723
	<i>Carol S. Camfield · Peter R. Camfield</i>	
263	Diazepam	1727
	<i>Howard P. Goodkin</i>	
264	Diastat®	1733
	<i>Syndi Seinfeld · John M. Pellock</i>	
265	Eslicarbazepine Acetate	1737
	<i>Cecilie Johannessen Landmark · Svein I. Johannessen</i>	
266	Ethosuximide	1741
	<i>Chakorn Chansakul · Steve S. Chung</i>	
267	Felbamate	1749
	<i>Alison E. Alford · John M. Pellock</i>	
268	Gabapentin	1753
	<i>Casey Gallimore · Barry Gidal</i>	
269	Lacosamide	1761
	<i>Victor Biton</i>	

270	Lamotrigine	1767
	<i>Sarah Aminoff Kelley · Ji Soo Choi · Gregory Krauss</i>	
271	Levetiracetam	1775
	<i>Joris W. F. Uges · Charles J. Vecht</i>	
272	Lorazepam	1783
	<i>M. Chiara Colonnelli · Rod C. Scott</i>	
273	Midazolam	1789
	<i>Luigi D'Argenio · Siobhan Hannan · Rod C. Scott</i>	
274	Nitrazepam	1795
	<i>Timothy E. Welty</i>	
275	Oxcarbazepine	1797
	<i>Amy S. Wasterlain · Nitin K. Sethi</i>	
276	Phenobarbital and Other Barbiturates	1807
	<i>Janet Mifsud</i>	
277	Phenytoin and Other Hydantoins	1813
	<i>Ruth E. Nemire · R. Eugene Ramsay</i>	
278	Pregabalin	1819
	<i>Cecilie Johannessen Landmark · Svein I. Johannessen</i>	
279	Primidone	1825
	<i>Janet Mifsud</i>	
280	Rufinamide	1829
	<i>Susan W. Lee · Steve S. Chung</i>	
281	Sulthiame	1837
	<i>Curtis Claassen · Elaine C. Wirrell</i>	
282	Stiripentol	1843
	<i>Monika Dudra-Jastrzebska · Stanisław J. Czuczwar</i>	
283	Tiagabine	1849
	<i>Nabil J. Azar · Bassel W. Abou-Khalil</i>	
284	Topiramate	1857
	<i>David M. Ficker</i>	
285	Valproate	1861
	<i>Meneka Kaur Sidhu · Paul N. Cooper</i>	
286	Vigabatrin	1869
	<i>Katherine C. Van Poppel · James W. Wheless</i>	

287 Zonisamide	1877
<i>Amir Arain · Bassel W. Abou-Khalil</i>	
288 Newest AEDs: Brivaracetam, Carisbamate and Retigabine	1883
<i>Cecilie Johannessen Landmark · Svein I. Johannessen · Steve S. Chung</i>	
Subject Index	1893