

# SUMMARY

<b>Preface</b>	V
Francine Chassoux, Andre Palmi	
<b>Acknowledgements</b>	VII
<b>Dedication</b>	VIII
<b>Editors</b>	XI
<b>Authors</b>	XII
<b>Abbreviations</b>	XXV
<b>Part I. TOWARD A ROUTE IN THE LABYRINTH</b>	<hr/>
<b>Chapter 1 : A clinician's overview of the FCD</b>	3
François Dubeau	
<b>Chapter 2 : Classifications for FCD: evolution of concepts and current knowledge</b>	13
Andre Palmi	
<b>Chapter 3 : Neuropathology of FCD: a practical approach for clinical use</b>	23
Ingmar Blümcke	
<b>Part II. FROM GENES TO CLINICAL PICTURE</b>	<hr/>
<b>Chapter 4 : Genetics of FCD: an emerging scenario</b>	41
Sara Baldassari, Stéphanie Baulac	
<b>Chapter 5 : FCD and the mTORopathy spectrum</b>	51
Valerio Conti, Carmen Barba, Renzo Guerrini	
<b>Chapter 6 : Drug therapies in FCD: are they specific and why?</b>	61
Sarah Buts, J. Helen Cross	
<b>Chapter 7 : Electroclinical phenotypes in FCD</b>	65
Francine Chassoux, Andre Palmi, Laura Tassi	
<b>Chapter 8 : FCD in children: specific clinical findings and management</b>	75
Pavel Kršek, Hans Holthausen	
<b>Part III. NEUROPHYSIOLOGY OF FCD: THE PACEMAKER PATTERN</b>	<hr/>
<b>Chapter 9 : In search of the epileptogenic neuron in FCD</b>	91
Carlos Cepeda, Daphne Marina, Harry V. Vinters, Gary W. Mathern	
<b>Chapter 10 : Intrinsic epileptogenicity of FCD: insights from ECoG</b>	103
Andre Palmi, Eliseu Paglioli	
<b>Chapter 11 : Intrinsic epileptogenicity of FCD: insights from SEEG to scalp EEG</b>	113
Francine Chassoux	

<b>Chapter 12</b> : The epileptogenic zone in FCD: SEEG patterns in FCD subtypes Fabrice Bartolomei	125
<b>Chapter 13</b> : MEG and HR-EEG in FCD: non-invasive localization of the epileptogenic zone Francesca Bonini, Jean-Michel Badier, Martine Gavaret	131
<b>Chapter 14</b> : EEG-fMRI in FCD: mapping the epileptogenic networks Masataka Tanaka, Jean Gotman	143
<b>Part IV. IMAGING OF FCD: THE DECISIVE STEP</b>	<hr/>
<b>Chapter 15</b> : The role of imaging in FCD: an overview John S. Duncan	151
<b>Chapter 16</b> : Morphological and functional MRI for FCD in clinical practice Charles Mellerio	157
<b>Chapter 17</b> : Critical perspective of automatic detection of FCD: what should the clinician use? Fernando Cendes	171
<b>Chapter 18</b> : PET and SPECT: searching for FCD and identifying the epileptogenic zone Francine Chassoux, Martin Kudr	179
<b>Part 1. PET in FCD</b>	179
<b>Part 2. SPECT in FCD</b>	192
<b>PART V. SURGICAL THERAPY FOR FCD: A CURATIVE PERSPECTIVE</b>	<hr/>
<b>Chapter 19</b> : Surgery for FCD: principles and outcome Francesco Cardinale, Martina Revay, Piergiorgio d'Orio, Flavia Maria Zauli, Belén Abarrategui, Giorgio Lo Russo, Ivana Sartori	203
<b>Chapter 20</b> : Surgery for FCD without invasive monitoring: the role of ECoG Eliseu Paglioli, Andre Palmmini, Francine Hehn	223
<b>Chapter 21</b> : Surgery for FCD with invasive monitoring Jorge Álvaro González Martínez	231
<b>Chapter 22</b> : Surgery for FCD in eloquent cortex Bertrand C. Devaux	243
<b>Chapter 23</b> : Surgery for FCD in children Georg Dorf Müller	259
<b>Chapter 24</b> : Long-term outcome after surgery for FCD Susanne Fauser	275
<b>Conclusion</b> Francine Chassoux, Andre Palmmini	285