

Contents

Introduction: The Long and Winding Road to Tourette Syndrome 1
 Tourette Syndrome: From Witchcraft to Pharmacotherapy 1
 Rational Pharmacotherapy for Tics 5

Part I Diagnosis of Tics

- 1 **Evaluation and Differential Diagnosis of Tics and Related Disorders** 9
 Clinical Characteristics of Tics 9
 Diagnostic Criteria of Tic Disorders 14
 Differential Diagnosis of Tics and Co-morbid Conditions 16
 Pathophysiology of Tics and Treatment Approaches 22
- 2 **Assessment of Tic Severity** 28
 Rating Scales for Tic Severity 29
 Rating Scales for Premonitory Urges 34
 Rating Scales for Quality of Life 35

Part II Pharmacotherapy of Tics

- 3 **First-Generation Anti-dopaminergic Medications** 37
 Fluphenazine 37
 Haloperidol 43
 Pimozide 49
- 4 **Second-Generation Anti-dopaminergic Medications** 56
 Aripiprazole 56
 Olanzapine 62
 Quetiapine 68
 Risperidone 74
 Ziprasidone 81

- 5 **Alpha-2 Adrenergic Medications** 88
 Clonidine 88
 Guanfacine 93
- 6 **Other Tic-Suppressing Medications** 99
 Metoclopramide 99
 Sulpiride 104
 Tetrabenazine 109
 Tiapride 114
 Topiramate 118

Part III Guidelines on the Pharmacotherapy of Tics

- 7 **Guidelines Based on Systematic Literature Review and Meta-analysis** 127
 Europe and UK (2011) 129
 Canada (2012) 131
 US (2013) 134
 UK (2016) 137
 US (2019) 140
- 8 **Guidelines Based on Expert Survey and Consensus** 146
 Europe and UK (2012) 146
 Japan (2019) 147

Further reading 150
Index 187