

Index

A

- Action tremor
 - kinetic, 2–3
 - postural, 2
- Alcoholic tremor, 35
- Amantadine (Symmetrel®), 29
- Antistreptolysin-O titer, 70, 79
- Atenolol, 13
- Athetosis, 69, 71

B

- Ballism, 69
- Benign hereditary chorea, 76–77
- Benzotropine (Cogentin®), 29
- Beta-blockers
 - atenolol, 13
 - nadolol, 15
 - propranolol, 13
- Bilateral pallidal deep brain stimulation (DBS), 63
- Blepharospasm
 - diagnosis, 51
 - orbicularis oculi, 50
 - prevalence, 50
- Botulinum toxin
 - chemodenervation, 60
 - dosage, 61

- essential tremor, 16–17
- types, 60

Bradykinesia, 22

C

- Cerebellar tremor, 30
- Cerebellum, 8
- Cervical dystonia
 - abnormal postures, 51
 - diagnosis, 57
 - steps, 58
 - X-ray/CT scan, 58
 - muscle groups, 52
 - anatomy and actions, 53–55
 - muscle hypertrophy, 57
 - sensory trick, 55
 - symptoms, 53, 56
 - torticollis, 57
 - touching side of face, 55, 56
- pathophysiology, 52
- prevalence, 51
- staging, 59
- treatment
 - anticholinergic medications, 62–63
 - botulinum toxin, 60–62
 - goals, 59

Chorea

- athetosis, 69
- ballism, 69
- classification, 70
- diagnosis, 70–71
- genetic causes
 - benign hereditary chorea, 76–77
 - DRPLA, 75
 - Huntington's disease, 71–75
 - McLeod syndrome, 76
 - neuroacanthocytosis, 75–76
 - Wilson's disease, 77
- investigations, 70
- nongenetic causes
 - autoimmune chorea, 80
 - drug-induced chorea, 80
 - metabolic and infectious causes, 80–81
 - Sydenham chorea, 77–79
 - vascular chorea, 79–80

Clonazepam, 103

Cortical myoclonus, 96

Corticobasal degeneration

- dystonic arm, 102
- incidence, 101
- magnetic resonance imaging, 102
- treatment, 103

D

Dentatorubropallidoluysian atrophy (DRPLA), 75

Dopa-responsive dystonia

- diagnosis, 49
- diurnal fluctuations, 48
- levodopa, 49

Doppler echocardiography, 70

Drug-induced chorea, 80

Dystonias

causes

- blepharospasm, 50–51
- cervical dystonia, 51–63
- dopa-responsive dystonia, 48–49
- DYT-1, 47–48
- DYT-6, 48
- musician's dystonia, 50
- neurodegenerative disorders, 63
- pseudodystonia, 64
- psychogenic dystonia, 63–64
- spasmodic dysphonia, 50
- writer's dystonia, 49

classification

- age of onset, 44
- body distribution, 44
- duration, 45
- etiology, 44–45
- features, 45

investigations, 46

Dystonic tremor, 30–31

E

Electromyography, 100

Enhanced physiological tremor, 19

Entacapone (Comtan®), 27

Epileptic myoclonus, 100

Essential myoclonus, 100

Essential tremor (ET)

- alcohol, 7
- characteristics, 10–11
- clinical features
 - body regions, 10
 - neuropsychological deficits, 9
 - spiral drawing, 9

- diagnosis, 11–12
 - etiology, 8
 - medicinal treatment
 - beta-blockers, 13–15
 - botulinum toxin, 16–17
 - caffeine, 12
 - pregabalin, 16
 - primidone, 15
 - topiramate and gabapentin, 16
 - pathogenesis, 8
 - prevalence, 6–7
 - surgical treatments
 - gamma knife
 - thalamotomy, 18–19
 - unilateral deep brain stimulation, 17–18
 - unilateral thalamotomy, 18
 - Exaggerated startle syndromes, 101
- F**
- Focal dystonia, 44
 - Focal myoclonus, 97
 - Fragile X tremor/ataxia syndrome (FTAX), 35–36
- G**
- Gabapentin, 16
 - Gamma knife
 - thalamotomy, 18–19
 - Globus pallidus pars interna (GPi), 30
- H**
- HDL2 gene mutation, 73
 - Hemidystonia, 44
 - Hemifacial spasm, 97
 - Holmes tremor/midbrain tremor, 34–35
 - Huntington's disease (HD)
 - alleles, 74
 - anxiety, 72
 - CAG repeats, 74
 - cognitive changes, 73
 - diagnosis, 73
 - eye movements
 - abnormalities, 72
 - HDL2 gene mutation, 73
 - prevalence, 71
 - treatment, 75
 - Hyperekplexia, 101
- I**
- Intention tremor, 3
- L**
- Levodopa, 27
 - LINGO1, 8
- M**
- McLeod syndrome, 76
 - Medication-induced tremors
 - antipsychotics, 32–33
 - dopamine-depleting drugs, 33
 - lithium and valproic acid, 33
 - Motor tics, 87–88
 - Multifocal dystonia, 44
 - Multifocal myoclonus, 98
 - Musician's dystonia, 50
 - Myoclonic jerks, 98

- Myoclonus**
 causes
 corticobasal
 degeneration, 101–103
 exaggerated startle
 syndromes, 101
 hyperekplexia, 101
 opsoclonus-myoclonus
 syndrome, 100–101
 classification
 clinical features, 97–99
 etiology, 99–100
 provocative factors, 99
 site of origin, 96–97
 investigations, 100
 postural hypotension, 26
 psychosis and visual
 hallucinations, 27
 REM sleep behavior, 25
 sexual dysfunction
 and anxiety, 26
 urinary dysfunction, 25
 pathophysiology, 22–24
 prevalence, 19
 treatment, 27, 29–30
- Peripheral myoclonus**, 97
Physiologic myoclonus, 99
Pimozide (Orap[®]), 90
Pramipexole (Mirapex[®]), 28
Pregabalin, 16
Primary idiopathic dystonia
 (DYT-6), 48
Primary idiopathic torsion
 dystonia (DYT-1)
 arm involvement, 47
 progression, 48
 symptoms, 47
Primary orthostatic tremor,
 33–34
Primidone, 15
Propranolol, 13
Pseudoathetosis, 71
Pseudodystonia, 64
Psychogenic dystonia, 63–64
Psychogenic tremors, 36–37
- N**
Nadolol, 15
Neuroacanthocytosis, 75–76
- O**
Opsoclonus-myoclonus
 syndrome/
 polyminimyoclonus,
 100–101
- P**
Parkinson's disease (PD)
 bradykinesia, 22
 comparison, 20, 21
 etiology, 22–24
 motor symptoms, 20
 multiple loops and
 handwriting, 20, 22
 nonmotor symptoms
 cholinesterase
 inhibitors, 24
 cognitive dysfunction, 24
 drooling and chronic
 pain, 26
- R**
Rasagiline (Azilect[®]), 28–29
Rasmussen encephalitis, 99
Resting tremor, 2
Ropinirole (Requip[®]), 28
Rotigotine (Neupro Patch[®]), 28
- S**
Segawa disease. See Dopa-
responsive dystonia

Segmental dystonia, 44
 Segmental myoclonus, 98
 Selective serotonin reuptake inhibitors (SSRIs), 75, 80
 Selegiline (Eldepryl®), 29
 Sensory trick, 55
 Spasmodic dysphonia, 50
 Spinal myoclonus, 96–97
 Subcortical myoclonus, 96
 Subthalamic nucleus (STN), 30
 Sydenham chorea
 antistreptolysin-O titer, 79
 choreiform movements, 77
 investigations, 78–79
 pathogenesis, 78
 treatment, 79
 Symptomatic myoclonus, 100

T

Task-specific kinetic tremor, 3, 30–31
 Tetrabenazine, 75
 Tics
 classification, 87–88
 investigations, 89
 Tourette syndrome, 89–90
 types, 88–89
 Topiramate, 16
 Tourette syndrome
 classic neuroleptics, 90
 pimozide (Orap®), 90
 prevalence, 89
 Tremors. *See also specific tremors*
 action tremor
 kinetic, 2–3
 postural, 2
 alcoholic tremor, 35
 cerebellar tremor, 30
 classification
 amplitude, 4
 body part, 3

 etiology, 4
 frequency, 4
 description, 4–5
 dystonic tremor, 30–31
 enhanced physiological tremor, 19
 essential tremor
 characteristics, 10–11
 clinical features, 9–10
 diagnosis, 11–12
 etiology, 8
 pathogenesis, 8
 treatment, 12–19
 fragile X tremor/ataxia syndrome, 35–36
 frequencies
 causes, 6
 investigations, 5–6
 holmes tremor/midbrain tremor, 34–35
 intention tremor, 3
 medication-induced tremors, 32–33
 Parkinson's disease
 etiology, 22–24
 nonmotor symptoms, 24–27
 pathophysiology, 22–24
 treatment, 27, 29–30
 pharmacological treatments
 amantadine, 29
 anticholinergics, 29
 COMT inhibitors, 27–28
 dopamine agonists, 28
 levodopa, 27
 MAOB inhibitors, 28–29
 primary orthostatic tremor, 33–34
 psychogenic tremors, 36–37
 resting tremor, 2
 task-specific kinetic tremor, 3, 31–32
 Trihexyphenidyl (Artane®), 29

U

Unilateral deep brain
stimulation, 17–18
Unilateral thalamotomy, 18

V

Valproic acid, 79
Vascular chorea, 79–80
Vocal tics, 88

W

Wilson's disease
chorea, 77
dystonia, 46
resting tremor, 2
Writer's dystonia, 49