Index

Note: Page numbers of article titles are in boldface type.

A

Acetaminophen, for migraine, 254
Acetazolamide, for dizziness, 269
Actigraphy, in sleep disorders, 418
Acupuncture, for neck pain, 282
Acyclovir, for dizziness, 269
Adjustment insomnia, 412
Adson’s test, in neck pain, 276
Akathisia, drug-induced, 381–382
Akinesia, in Parkinson disease, 371
Almotriptan, for migraine, 254–255
Alprazolam, for dizziness, 268
Alzheimer’s disease
   clinical features of, 396
   definition of, 395
   detection of, 392
   diagnosis of, 392–397
   pathology of, 396
   prevention of, 398
   treatment of, 397–398
   vascular dementia with, 398
Amantadine, for Parkinson disease, 373–374
4-Aminopyridine, for multiple sclerosis, 466–467
Amitriptyline
   for migraine prevention, 258–259
   for neuropathic pain, 329
   for sensory neuropathy, 328
Ammonium tetrathiomolybdate, for Wilson disease, 383
Aneurysm, brain, subarachnoid hemorrhage in, 357
Ankle
   peroneal neuropathy at, 299–300
   tarsal tunnel syndrome in, 303–306
Anticholinergics
   for bladder dysfunction, 468
   for Parkinson disease, 373–374
Antidepressants
   for Alzheimer’s disease, 397
   for insomnia, 413
   for multiple sclerosis, 467
   for narcolepsy, 416–417
   for parasomnias, 419
Antidepressants (continued)
for Tourette syndrome, 385–386

Antiepileptic drugs
compliance with therapy, 347
for elderly persons, 350
for women of childbearing age, 349–350
patient education on, 349
pharmacokinetics of, 346
selection of, 346–347, 349
side effects of, 346, 348
therapeutic goals of, 346–347

Antihistamines, for insomnia, 413

Antiphospholipid antibody syndrome, versus multiple sclerosis, 454

Antipsychotic agents, for Alzheimer’s disease, 397

Apnea, sleep, 414–415
Aspirin, for migraine, 254
Asterixis, drug-induced, 381–382
Ataxia, sensory, 335–336
Atenolol
for migraine prevention, 259
for syncope, 434
Aura, in migraine, 250–251

Autonomic neuropathy, orthostatic hypotension in, 436–443
Axonal Guillain-Barré syndrome, 320–321
Azathioprine, for multiple sclerosis, 464

B

Back pain. See Low back pain.
Baclofen, for neuropathic pain, 329
Basilar-type migraine, 252
Behçet disease
cerebrovascular disease in, 365
versus multiple sclerosis, 454
Benediction posture, in ulnar neuropathy, 289–290
Benign paroxysmal positional vertigo, 265, 267
Benzodiazepines, for insomnia, 412–413
Benztropine, for Parkinson disease, 374
Beta blockers, for syncope, 434
Bladder dysfunction, in multiple sclerosis, 467–468
Borrellosis, versus multiple sclerosis, 455

Botulinum toxin
for essential tremor, 376
for migraine prevention, 258
for multiple sclerosis, 466
for Tourette syndrome, 386
Bowel dysfunction, in multiple sclerosis, 468–469
Braces, for neck pain, 277
Brachial plexopathy, 275
versus carpal tunnel syndrome, 287
versus suprascapular neuropathy, 298
Brachialgia and cord syndrome, in cervical myelopathy, 279
Bradbury-Eggleston syndrome, 439
Bradycardia, in syncope, 429
Bradykinesia, in Parkinson disease, 371
Bragard’s sign, in low back pain, 489
Breathing, disordered, 414–415
Bromocriptine, for Parkinson disease, 374
Brown-Séquard syndrome, in cervical myelopathy, 278
Brudzinski test, in low back pain, 489
Butalbital, for migraine, 254
Butterbur, for migraine prevention, 258
Buttocks, piriformis syndrome of, 306–307

C

Caffeine, for migraine, 254
Calcaneal neuropathy, tarsal tunnel syndrome in, 303–306
Campylobacter, Guillain-Barré syndrome and, 320–321
Cancer
  paraneoplastic neuropathy in, 335–336, 439
  versus multiple sclerosis, 456
Carbamazepine
  for neuropathic pain, 329
  for seizures, 347–348
Carbidopa/levodopa
  for Parkinson disease, 373–374
  for restless legs syndrome, 420
Carotid sinus hypersensitivity, 430
Carotid sinus massage, in syncope, 432–433
Carpal tunnel syndrome, 285–288
Cataplexy, in narcolepsy, 416–417
Catechol-O-methyltransferase inhibitors, for Parkinson disease, 373–374
Caudate nucleus, degeneration of, in Huntington disease, 378–379
Celiac disease, versus multiple sclerosis, 455
Central cord syndrome, in cervical myelopathy, 278
Cerebral autosomal dominant arteriopathy with subcortical infarcts and
  leukoencephalopathy, versus multiple sclerosis, 456
Cerebrospinal fluid analysis
  in dementia, 393–394
  in Guillain-Barré syndrome, 322
  in multiple sclerosis, 453
  in subarachnoid hemorrhage, 356–357
Cerebrovascular disease, 353–369
  activity causing, 364
  acute, treatment of, 365–366
  dementia in, 398–399
  demographics of, 361
  development of, 363–364
  diagnosis of, 360–361
  differential diagnosis of, 354–355
  examination in, 364–365
Cerebrovascular (continued)
  hemorrhagic
    intracerebral, 356–358
    subarachnoid, 356–357
    treatment of, 366
    versus ischemic, 356
  history of, 361–363
  imaging in, 365
  ischemic, 356, 358–360
  laboratory tests in, 365
  mimics of, 354–355
  non-acute, treatment of, 366
  symptoms of, 364
  treatment of, 365–366
  versus seizure, 355
Ceruloplasmin defects, in Wilson disease, 382–383
Cervical radiculopathy
  versus carpal tunnel syndrome, 287
  versus radial neuropathy, 295
  versus suprascapular neuropathy, 298
  versus ulnar neuropathy, 291
Cervicalgia. See Neck pain.
Charcot-Marie-Tooth disease, 333–335
Chiropractic manipulation, for neck pain, 282
Chlorpromazine, for migraine, 257
Chorea
  drug-induced, 381–382
  in Huntington disease, 380
Chronotherapy, for circadian rhythm disorders, 418
Circadian rhythm sleep disorders, 417–418
Clinical Dementia Rating Scale, 392
Clomipramine
  for narcolepsy, 416–417
  for Tourette syndrome, 386
Clonazepam
  for parasomnias, 419
  for restless legs syndrome, 420
  for Tourette syndrome, 386
Clonidine
  for restless legs syndrome, 420
  for Tourette syndrome, 385
Cluster headache, versus migraine, 249
Codeine, for restless legs syndrome, 420
Coenzyme Q10, for migraine prevention, 258
Cognitive dysfunction, in dementia. See Dementia.
Cognitive-behavioral therapy, for insomnia, 412
Complementary and alternative medicine, for neck pain, 282
Compound muscle action potentials, in Guillain-Barré syndrome, 323
Compressive neuropathies. See Entrapment and compressive neuropathies.
Computed tomography
  in Alzheimer’s disease, 396
in dementia, 393, 396–397
in ischemic stroke, 358–359
in migraine, 252–253
in normal pressure hydrocephalus, 402–403
in seizures, 346
in subarachnoid hemorrhage, 356–357
in syncope, 433
Consciousness, loss of. See Syncope.
Constipation, in multiple sclerosis, 468–469
Continuous positive air pressure, for obstructive sleep apnea, 415
Convulsive syncope, 432
Copper
deficiency of, versus multiple sclerosis, 455
metabolic disorders of, in Wilson disease, 382–383
Corticosteroids
for carpal tunnel syndrome, 288
for Guillain-Barré syndrome, 325
for migraine, 257
for optic neuritis, 457
Cough, syncope due to, 431
Cramps, muscle, in peripheral neuropathy, 338
Creutzfeldt-Jakob disease, 403
Cubital tunnel, ulnar nerve compression at, 291
Cutaneous femoral neuropathy (meralgia paresthetica), 301–303
Cyclophosphamide, for multiple sclerosis, 464
D
Decompression
for carpal tunnel syndrome, 288
for piriformis syndrome, 307
for tarsal tunnel syndrome, 305–306
for ulnar neuropathy, 291–292
Deep brain stimulation
for essential tremor, 376
for Parkinson disease, 374
Dementia, 389–406
Alzheimer’s, 392, 395–398
causes of, 389, 391, 403
cortical, 391
definition of, 389
differential diagnosis of, 390
diseases associated with, 391
evaluation of, 391–394
frontotemporal, 401–402
in cerebrovascular disease, 398–399
in Huntington disease, 378–380
in normal pressure hydrocephalus, 402–403
in Parkinson disease, 371–372, 401
in progressive supranuclear palsy, 402
mild cognitive impairment and, 395
multi-infarct, 398–399
Dementia (continued)

- subcategories of, 391
- subcortical, 391
- treatability of, 389, 403–404
- vascular, 398–399
- versus pseudo-dementia, 391
- with Lewy bodies, 399–401

Demyelinating polyneuropathy

- acute, 317–327
- chronic inflammatory, 329–330

Demyelination, in multiple sclerosis, 453

Depression, in Huntington disease, 380

Devic's disease, versus multiple sclerosis, 454

Dexamethasone, for multiple sclerosis, 463

Dextroamphetamine, for narcolepsy, 416–417

Diabetes mellitus

- autonomic neuropathy in, 436–438
- sensory peripheral neuropathy in, 327–328

Digits. See Finger(s); Toe(s).

Dihydroergotamine, for migraine, 246, 257

Diplopia, in multiple sclerosis, 460–461

Disk disorders

- cervical, 277–279, 281
- lumbar, 495, 497–498

Disopyramide, for syncope, 434

Distraction test, in neck pain, 276

Dizziness, 263–271

- assessment of, 263–268
- causes of, 263, 265, 269–270
- definition of, 263
- epidemiology of, 263
- symptoms of, 264, 266
- treatment of, 266, 269

Donepezil, for Alzheimer's disease, 397

Dopamine agonists

- for Parkinson disease, 373–374
- for restless legs syndrome, 377–378, 420

Dreams, abnormal, 418–419

Drop attacks, 441

Droxidopa, for pure autonomic failure, 439

Drugs

- movement disorders due to, 381–382
- orthostatic hypotension due to, 437, 440

Duloxetine

- for neuropathic pain, 329
- for sensory neuropathy, 328

Dyskinesia, tardive, drug-induced, 381–382

Dystonia, drug-induced, 381–382

E

Ehlers-Danlos disease, cerebrovascular disease in, 365
Elbow, ulnar neuropathy at, 288–292
Elderly persons
  antiepileptic drugs for, 350
  migraine in, 251–252
Electrocardiography, in syncope, 432
Electrodiagnostic studies
  in carpal tunnel syndrome, 287
  in meralgia paresthetica, 302
  in Morton’s neuroma, 309
  in peroneal neuropathy, 300
  in piriformis syndrome, 307
  in radial neuropathy, 295
  in suprascapular neuropathy, 298
  in ulnar neuropathy, 291
Electroencephalography
  in dementia, 394
  in seizures, 346
  in sleep disorders, 409
  in syncope, 433
Electromyography
  in carpal tunnel syndrome, 287
  in Guillain-Barré syndrome, 322–323
  in radial neuropathy, 295
  in sleep disorders, 409
  in suprascapular neuropathy, 298
  in tarsal tunnel syndrome, 305
  in ulnar neuropathy, 291
Electrooculography, in sleep disorders, 409
Eletriptan, for migraine, 254–255
Embolism, ischemic stroke in, 358–360
Encephalomyelitis, acute disseminated, versus multiple sclerosis, 454
Encephalopathy, spongiform, 403
Endovascular therapy, for thromboembolic stroke, 359–360
Entrapment and compressive neuropathies, 285–315
  carpal tunnel syndrome, 285–288
  interdigital (Morton’s neuroma), 308–309
  lateral cutaneous femoral (meralgia paresthetica), 301–303
  peroneal, at fibular neck, 299–300
  piriformis syndrome, 306–307
  radial, at spiral groove, 293–296
  suprascapular, 296–299
  tarsal tunnel syndrome, 303–306
  ulnar
    at elbow, 288–292
    at wrist, 292–293
Environmental factors
  in Alzheimer’s disease, 398
  in multiple sclerosis, 451
  in narcolepsy, 416
  in Parkinson disease, 372
  in Tourette syndrome, 384
Epilepsy. See Seizures.
Epworth Sleepiness Scale, 408
Ergot derivatives, for restless legs syndrome, 378
Ergotamine, for migraine, 259
Essential tremor, 374–376
Estazolam, for insomnia, 412–413
Estradiol, for migraine, 259–260
Estrogen replacement therapy, migraine and, 260
Eszopiclon, for insomnia, 413
Ethosuximide, for seizures, 347–348
Etilefrine, for syncope, 434
Exercise
  for syncope, 434
  multiple sclerosis exacerbation with, 461

F
Faber maneuver, in low back pain, 489
Facet joint pathology, neck pain in, 280
Fainting. See Syncope.
Fatigue, in multiple sclerosis, 467
Ferrous sulfate, for restless legs syndrome, 420
Feverfew, for migraine prevention, 258
Fibromyalgia, neck pain in, 280–281
Fibular neck, peroneal neuropathy at, 299–300
Finger(s), neuropathy manifestations in
  carpal tunnel syndrome, 285–288
  radial, 293–296
  ulnar, 288–293
Fisher syndrome, 323
Flexor digitorum profundus muscle, weakness of, in ulnar neuropathy,
  288–293
Fludrocortisone
  for dizziness, 269
  for orthostatic hypotension, 440
  for syncope, 434
Fluid therapy, for orthostatic hypotension, 440
Fluoxetine, for narcolepsy, 417
Fluphenazine, for Tourette syndrome, 385
Fluvoxamine, for Tourette syndrome, 385
Folate, for restless legs syndrome, 377
Foot
  Morton’s neuroma of, 308–309
  neuropathic pain in, 327–328
  peroneal neuropathy at, 299–300
  tarsal tunnel syndrome in, 303–306
Fractures, vertebral, 492–494
Froment’s sign, in ulnar neuropathy, 289–290
Frontotemporal dementia, 401–402
Frovatriptan, for migraine, 254–255, 259
G

Gabapentin
  for migraine prevention, 259
  for neuropathic pain, 329
  for restless legs syndrome, 420
  for seizures, 347–348
  for sensory neuropathy, 328
Gaenslen test, in low back pain, 489
Gait assessment, in neck pain, 275
Gait dysfunction, in multiple sclerosis, 466–467
Galantamine, for Alzheimer’s disease, 397
Ganglioside antibodies, in Guillain-Barré syndrome, 320–321
Genetics
  of essential tremor, 375
  of Huntington disease, 378–379
  of migraine, 246
  of multiple sclerosis, 451
  of narcolepsy, 416
  of neuropathy, 333–335
  of Parkinson disease, 372
  of restless legs syndrome, 377
  of Tourette syndrome, 384
  of Wilson disease, 382–383
Glatiramer, for multiple sclerosis, 460–463
Guillain-Barré syndrome, 317–327
  antecedent events for, 321
  autonomic neuropathy in, 438
  axonal, 320–321
  Campylobacter and, 320–321
  clinical features of, 317–318, 321–322
  differential diagnosis of, 323–324
  evaluation of, 318
  Fisher variant of, 323
  history of, 318–319
  laboratory testing in, 322–325
  pathophysiology of, 319
  treatment of, 325–437

H

Hallpike-Dix test, for benign paroxysmal positional vertigo, 267
Hallucinations, hypnagogic, 416
Haloperidol, for Tourette syndrome, 385
Hand, neuropathy manifestations in
  carpal tunnel syndrome, 285–288
  radial, 293–296
  ulnar, 288–293
Headache
  in stroke, 364
  in subarachnoid hemorrhage, 356–357
  migraine. See Migraine.
Heat, multiple sclerosis exacerbation in, 461
Hemorrhagic cerebrovascular disease. See under Cerebrovascular disease.
Hepatitis C, versus multiple sclerosis, 455
Herbal preparations, for migraine prevention, 258
Hereditary neuropathy, 333–335
Hereditary spastic paraparesis, versus multiple sclerosis, 456
Hip, piriformis syndrome of, 306–307
HTLV-I/II infections, versus multiple sclerosis, 455
Human herpesvirus-6 infections, versus multiple sclerosis, 455
Huntington disease, 378–380, 403
Hydrocephalus, normal pressure, 402–403
Hyperabduction test, in neck pain, 276
Hyperkinesis, in Tourette syndrome, 384–386
Hypertension, stroke in, 357–358
Hypnagogic hallucinations, 416
Hypocretin deficiency, in narcolepsy, 416
Hypoperfusion, ischemic stroke in, 358–359
Hypotension, orthostatic. See Orthostatic hypotension.

I
Immunoglobulin(s), intravenous
   for Guillain-Barré syndrome, 326–327
   for multiple sclerosis, 464
Immunomodulatory agents, for multiple sclerosis, 460
Immunotherapy, for Guillain-Barré syndrome, 325–327
Incontinence, in multiple sclerosis, 467–469
Inflammatory demyelinating neuropathy
   acute (Guillain-Barré syndrome), 317–327
   chronic, 329–330
Inflammatory demyelinating polyneuropathy, acute, 317–327
Insomnia, 410–413
Interdigital neuropathy (Morton’s neuroma), 308–309
Interferon beta, for multiple sclerosis, 453, 460–461
Internal disk disruption, 495
Intracerebral cerebrovascular disease, 356–358
Iron supplements, for restless legs syndrome, 420
Ischemic cerebrovascular disease
   types of, 358–360
   versus hemorrhagic cerebrovascular disease, 356

J
Jet lag, 417–418

K
Ketorolac, for migraine, 257
Kyphoplasty, for vertebral compression fractures, 494
Lamotrigine, for seizures, 347–348
Lasegue test, in low back pain, 488
Lateral cutaneous femoral neuropathy (meralgia paresthetica), 301–303
Laughter, syncope due to, 431
Legs, restless, 376–378, 419–421
Leukoaraiosis, 398
Levetiracetam, for seizures, 347–348
Levodopa/carbidopa
   for Parkinson disease, 373–374
   for restless legs syndrome, 420
Lewy bodies
   dementia with, 399–401
   in Parkinson disease, 373
Lhermitte’s phenomenon, in multiple sclerosis, 461
Lhermitte’s test, in neck pain, 276
Lipohyalinosis, dementia in, 398
Liver, Wilson disease of, 382–383
Low back pain, 477–501
   anatomic considerations in, 478–481
   causes of, 483
   diagnosis of, 495–496
   epidemiology of, 477–478
   history of, 484–486
   in degenerative spine disease, 483–484
   in disk disorders, 495, 497–498
   in lumbar canal stenosis, 491
   in lumbar radiculopathy, 489–498
   in spondylolisthesis, 494–495
   in vertebral compression fractures, 492–494
   nonradiating, 481–483
   physical examination in, 486–489
   radiating, 482–483
   referred, 483
   risk factors for, 478
   sciatica, 484
   treatment of, 496–498
   types of, 481–483
Lumbar radiculopathy
   causes of, 490–491
   diagnosis of, 495–497
   history of, 484–486
   in disk disorders, 495, 497–498
   in spinal canal stenosis, 492
   in spondylolisthesis, 494–495
   in vertebral compression fractures, 492–494
   neurologic examination in, 487–489
   physical examination in, 486–487
   symptoms of, 485–486
   treatment of, 497–498
Lumbar (continued)
  triggers of, 486
  versus meralgia paresthetica, 301
Lumbar spine, pain in. See Low back pain.
Lyme disease, versus multiple sclerosis, 455
Lymphoma, versus multiple sclerosis, 456

M
Magnesium supplementation, for migraine prevention, 258
Magnetic resonance imaging
  in Alzheimer's disease, 396–397
  in dementia, 393–394, 396
  in Guillain-Barré syndrome, 318
  in ischemic stroke, 358–359
  in migraine, 252–253
  in Morton's neuroma, 309
  in multiple sclerosis, 452–453, 458
  in normal pressure hydrocephalus, 402–403
  in piriformis syndrome, 307
  in seizures, 346
  in subarachnoid hemorrhage, 356–357
  in syncope, 433
Mallampati classification, of airway crowding, 408
Massage therapy, for neck pain, 282
Meclizine, for dizziness, 268
Median neuropathy, at wrist (carpal tunnel syndrome), 285–288
Melatonin
  for circadian rhythm disorders, 418
  for insomnia, 413
Memory complaints. See Dementia.
Menstrual migraine, 259–260
Meralgia paresthetica, 301–303
Methotrexate, for multiple sclerosis, 464
Methylphenidate, for narcolepsy, 416–417
Methylprednisolone
  for Guillain-Barré syndrome, 325
  for multiple sclerosis, 457, 461, 463
Metoclopramide, for migraine, 257
Methoprolol
  for migraine prevention, 259
  for syncope, 434
Micturition, syncope due to, 431
Midodrine
  for dizziness, 269
  for orthostatic hypotension, 440
  for syncope, 434
Migraine, 245–262
  acephalagic, 251
  basilar-type, 252
  causes of, 246
  clinical features of, 247–252
diagnosis of, 252–253
differential diagnosis of, 247–248
disorders comorbid with, 246–247
epidemiology of, 245–247
genetics of, 246
in males, 245–246
intractable, 256–257
pathophysiology of, 245–247
syncope in, 247
treatment of
   acute, 253–257
   in women, 259–260
   preventive, 257–259
triggers of, 250
versus stroke, 354–355
Mild cognitive impairment, 392, 395
Mitoxantrone, for multiple sclerosis, 461, 465
Modafinil
   for narcolepsy, 416–417
   for obstructive sleep apnea, 415
Mononeuropathy
   motor, 332
   transient, 331–332
Morton’s neuroma (interdigital neuropathy), 308–309
Motor mononeuropathy, 332
Motor neuropathy, in Charcot-Marie-Tooth disease, 333–335
Motor system syndrome, in cervical myelopathy, 278
Movement disorders, 371–388
   drug-induced, 381–382
   essential tremor, 374–376
   Huntington disease, 378–380, 403
   Parkinson disease, 371–374
   restless legs syndrome, 338, 376–378, 419–421
   Tourette syndrome, 384–386
   Wilson disease, 382–383, 455
Multi-infarct dementia, 398–399
Multiple sclerosis, 451–476
   classification of, 452
   clinically isolated, 453, 457–460
   diagnosis of, 452–453
   epidemiology of, 451
   exacerbations of, 452, 461
   genetics of, 451
   mimics of, 454–456
   natural history of, 451–452
   paroxysmal neurologic symptoms in, 469
   pathology of, 453
   relapsing remitting, 460–465
   relapsing remitting transitioning to secondary progressive, 466–469
   resources for, 469–472
   variants of, 454
Multiple sleep latency test, 408
Muscle cramps, in peripheral neuropathy, 338
Mycophenolate mofetil, for multiple sclerosis, 465
Mycoplasma infections, versus multiple sclerosis, 455
Myelopathy, cervical, 278–279

N
Nadolol, for migraine prevention, 259
Naproxen, for migraine, 259
Naratriptan, for migraine, 254–255, 259
Narcolepsy, 415–417
Natalizumab, for multiple sclerosis, 460–461
Neck pain, 273–284
  anatomic considerations in, 274–275
  causes and treatment of, 276–277
  cervical canal stenosis, 278–279
  chiropractic manipulation, 282
  complementary and alternative, 282
  disk herniation, 281
  facet joint pathology, 280
  fibromyalgia, 280–281
  radiculopathy, 277–278
  whiplash, 279–280
history in, 275
physical examination in, 275–276
prevalence of, 273
risk factors for, 273
Necrobiosis lipoidica diabeticorum, 327–328
Nerve conduction studies
  in carpal tunnel syndrome, 287
  in Guillain-Barré syndrome, 322–323
  in meralgia paresthetica, 302
  in Morton’s neuroma, 309
  in piriformis syndrome, 307
  in radial neuropathy, 295
  in suprascapular neuropathy, 298
  in tarsal tunnel syndrome, 305
  in ulnar neuropathy, 291, 293
Neuralgia, 329
Neuritis, optic, in multiple sclerosis, 453, 457–460
Neuroborreliosis, versus multiple sclerosis, 455
Neurocardiogenic (vasovagal) syncope, 429–430, 434–435
Neuroleptics
  for Huntington disease, 380
  for Tourette syndrome, 385
  neuroleptic malignant syndrome due to, 381–382
Neurologic disorders
  cerebrovascular disease, 353–369, 398–399
dementia. See Dementia.
dizziness, 263–271
entrapped and compressive neuropathies, 285–315
low back pain, 477–501
memory complaints, 389–406
migraine, 245–262, 354–355
movement disorders, 371–388
multiple sclerosis, 451–476
neck pain, 273–284
orthostatic tachycardia syndrome, 435–443
peripheral neuropathy, 317–342
seizure disorders. See Seizures.
sleep disorders, 407–425
syncope. See Syncope.
Neuroma, Morton’s (interdigital neuropathy), 308–309
Neuromyelitis optica, versus multiple sclerosis, 454
Neuropathy(ies)
  entrapment and compressive. See Entrapment and compressive neuropathies.
inflammatory demyelinating, acute (Guillain-Barré syndrome), 317–327
paraneoplastic, 335–336, 439, 456
peripheral. See Peripheral neuropathy.
Nightmares, 418–419
Nonsteroidal anti-inflammatory drugs
  for Alzheimer’s disease prevention, 398
  for carpal tunnel syndrome, 288
  for low back pain, 496–497
  for migraine, 254
  for orthostatic hypotension, 441
Normal pressure hydrocephalus, 402–403
Nortriptyline
  for migraine prevention, 258–259
  for neuropathic pain, 329
  for sensory neuropathy, 328
Nystagmus, 266, 268

O
Obstructive sleep apnea, 414–415
“OK” sign, in ulnar neuropathy, 289–290
Ondansetron, for dizziness, 266, 268
Ophthalmoplegia, in Fisher syndrome, 323
Opioids, for restless legs syndrome, 420
Optic neuritis, in multiple sclerosis, 453, 457–460
Optic neuropathy, acute ischemic, versus multiple sclerosis, 454
Oral contraceptives
  migraine associated with, 250
  myocardial infarction, 260
Orthostatic hypotension, 436–443
  causes of, 436–438
  drug-induced, 437, 440
  in paraneoplastic syndrome, 439
  in parkinsonism, 439
  in postural orthostatic tachycardia syndrome, 441–443
Orthostatic (continued)
in pure autonomic failure, 439–440
patient education on, 438
precautions in, 438
serious nature of, 438
subacute onset of, 438
treatment of, 440–443

Osteoporosis
in multiple sclerosis, 466–467
vertebral compression fractures in, 492–494

Oxcarbazepine, for seizures, 347–348

Pacemaker, for syncope, 434–435

Pain
back. See Low back pain.
in compressive neuropathies. See Entrapment and compressive neuropathies.
in sensory peripheral neuropathy, 327–328
migraine. See Migraine.
neck, 273–284
neuropathic, 327–329
syncope due to, 431

Pamiprexole
for Parkinson disease, 374
for restless legs syndrome, 420

Paralysis, sleep, in narcolepsy, 416

Paraneoplastic neuropathy, 335–336, 439, 456

Parasomnias, 418–419

Paresthesia
in neck pain, 275
in ulnar neuropathy, 288

Parkinson disease, 371–374, 401

Parkinsonism
autonomic failure in, 439
drug-induced, 381–382
“Parkinson-plus” disorder, 373

Paroxetine
for dizziness, 269
for syncope, 434
for Tourette syndrome, 385

Patrick (Faber) test, in low back pain, 489

Penicillamine, for Wilson disease, 383

Periodic limb movements, in sleep, 419–421

Peripheral neuropathy, 317–342
acute, 317–327
autonomic involvement in, 436–443
chronic sensory, 327–328
diabetic, 327–328
in Charcot-Marie-Tooth disease, 333–335
in Fisher syndrome, 323
Index

in Guillain-Barré syndrome, 317–327
in POEMS, 336–338
lifelong transient, 331–332
multifocal, 331
pure motor, 332
sensory, 335–336
subacute progressive, 329–330
Peroneal neuropathy, at fibular neck, 299–300
Phalen’s maneuver, in carpal tunnel syndrome, 286
Phenytoin
  for neuropathic pain, 329
  for seizures, 347–348
Photophobia, in migraine, 248
Phototherapy, for circadian rhythm disorders, 418
Physical therapy
  for neck pain, 277
  for piriformis syndrome, 307
Pick’s bodies, in dementia, 401–402
“Pill-rolling” tremor, in Parkinson disease, 371
Pimozide, for Tourette syndrome, 385
Piriformis syndrome, 306–307
Plantar neuropathy, tarsal tunnel syndrome in, 303–306
Plasma exchange, for Guillain-Barré syndrome, 325–326
Platelet inhibitors, for stroke prevention, 360
POEMS, 336–338
Polysomnography, 407–409
Porphyria, versus multiple sclerosis, 456
Positron emission tomography, in dementia, 394
Posterior interosseous neuropathy, versus radial neuropathy, 295
Postural hypotension. See Orthostatic hypotension.
Postural orthostatic tachycardia syndrome, 441–443
Prednisone
  for dizziness, 269
  for multiple sclerosis, 457, 463
Pregabalin
  for neuropathic pain, 329
  for seizures, 347–348
  for sensory neuropathy, 328
Pregnancy, antiepileptic drugs in, 349–350
Presyncope, 427
Primidone, for essential tremor, 376
Prochlorperazine
  for dizziness, 268
  for migraine, 257
Progressive hepatolenticular degeneration (Wilson disease), 382–383
Progressive multifocal leukoencephalopathy, versus multiple sclerosis, 455
Progressive supranuclear palsy, 402
Promethazine, for dizziness, 266, 268
Propoxyphene, for restless legs syndrome, 420
Propranolol
  for dizziness, 269
Propranolol (continued)
  for essential tremor, 376
  for migraine prevention, 258–259
Pseudo-dementia, 391
Psychiatric disorders
  in dementia with Lewy bodies, 400
  in Tourette syndrome, 384–386
  in Wilson disease, 382
  insomnia with, 412
Pull test, in Parkinson disease, 371–372
Pure autonomic failure, 439
Pyridostigmine, for orthostatic hypotension, 441

Q
Quadriplegia, in Guillain-Barré syndrome, 317–318
Quinine, for muscle cramps, 338

R
Radial neuropathy, at spiral groove, 293–296
Radiculopathy. See Cervical radiculopathy; Lumbar radiculopathy.
Ramelteon, for insomnia, 413
Rapid eye movement sleep disorders, 418–419
Reflexes
  loss of, in Parkinson disease, 371
  vestibulo-ocular, 267
Repetitive stress, carpal tunnel syndrome in, 287
Reserpine, for Tourette syndrome, 385
Restless legs syndrome, 338, 376–378, 419–421
Riboflavin, for migraine prevention, 258
Rigidity, cogwheel, in Parkinson disease, 371
Rivastigmine, for Alzheimer’s disease, 397
Rizatriptan, for migraine, 254–255
Ropinirole
  for Parkinson disease, 374
  for restless legs syndrome, 420
Rozerem, for insomnia, 413

S
Salt supplements, for orthostatic hypotension, 440
Sarcoidosis, versus multiple sclerosis, 454
Saturday night palsy, 294
Sciatic nerve entrapment, in piriformis syndrome, 306–307
Sciatica, 484
Scopolamine
  for dizziness, 268
  for syncope, 434
Seizures, 343–351
  differential diagnosis of, 344
evaluation of, 343–346
in convulsive syncope, 432
in elderly persons, 350
in pregnancy, 350
in stroke, 364
in women of childbearing age, 349–350
misdiagnosis of, 435
symptoms of, 354–355
treatment of, 346–350
triggers of, 344
types of, 343–344
versus cerebrovascular disease, 355
versus syncope, 435
Selective serotonin reuptake inhibitors
   for Alzheimer’s disease, 397
   for Huntington disease, 380
   for syncope, 434
   for Tourette syndrome, 385–386
Selegiline
   for narcolepsy, 416–417
   for Parkinson disease, 374
Sensory aura, in migraine, 251
Sensory peripheral neuropathy
   acute or subacute, 335–336
   chronic, 327–328
   multifocal, 331
   types of, 337
Serotonin syndrome
   drug-induced, 381–382
   in migraine treatment, 255–256
Sertraline, for Tourette syndrome, 385–386
Sexual dysfunction, in multiple sclerosis, 469
Shoulder, suprascapular neuropathy at, 296–299
Situational syncope, 430–432
Sjögren’s syndrome, versus multiple sclerosis, 454
Sleep disorders, \textit{407–425}
   circadian rhythm, 417–418
   classification of, 407
   clinical approach to, 407–409
   epidemiology of, 407
   insomnia, 410–413
   narcolepsy, 415–417
   obstructive sleep apnea, 414–415
   parasomnias, 418–419
   periodic limb movement, 419–421
   restless legs syndrome, 338, 376–378, 419–421
Sleep hygiene, 412
Sleep paralysis, in narcolepsy, 416
Sleep terrors, 418–419
Sneddon syndrome, cerebrovascular disease in, 365
Snoring, 414–415
Sodium oxybate, for narcolepsy, 416–417
Spinal vascular malformation, versus multiple sclerosis, 456
Spine, neck, pain related to, 273–284
Splints
  for carpal tunnel syndrome, 288
  for radial neuropathy, 295
Spondylolisthesis, lumbar, 494–495
Spondylosis
  cervical, 277–282
  lumbar, 483–484
  versus multiple sclerosis, 456
Spongiform encephalopathy, 403
Spurling's maneuver, in neck pain, 276
Stenosis
  cervical, 278–279
  lumbar, 491
Stimulants
  for multiple sclerosis, 467
  for narcolepsy, 416–417
Straight leg-raising test, in low back pain, 488–489
Stress, multiple sclerosis exacerbation with, 461
Stroke
  activity causing, 364
  demographics of, 361
  development of, 363–364
  diagnosis of, 360–361
  differential diagnosis of, 354–355
  examination in, 364–365
  hemorrhagic
    intracerebral, 356–358
    subarachnoid, 356–357
    treatment of, 366
    versus ischemic, 356
  history of, 361–363
  imaging in, 365
  ischemic, 356, 358–360
  laboratory tests in, 365
  mimics of, 354–355
  non-acute, treatment of, 366
  symptoms of, 363–364
  treatment of, 365–366
  versus seizure, 355
Subarachnoid hemorrhage, 356–357
Substantia nigra degeneration, in Parkinson disease, 373
Sumatriptan, for migraine, 254–255, 257
Suprascapular neuropathy, 296–299
Susac's disease, versus multiple sclerosis, 454
Syncope
  blood pressure changes in, 441
  drug-induced, 440
  in autonomic dysfunction, 436–443
in migraine, 247
in orthostatic hypotension, 436–443
in parkinsonism, 439
mimics of, 441
reflex, 428–435
  age considerations in, 429
  carotid sinus hypersensitivity and, 430
  convulsive, 431–432
  diagnosis of, 432–433
  epidemiology of, 432
  forms of, 428
  in pain, 431
  micturition, 431
  seizure-like activity in, 431
  situational, 430–432
  treatment of, 434–435
  triggers of, 429–432
  tussive, 431
  vasovagal, 429–430, 434–435
  versus seizures, 435
  versus stroke, 354–355
Syphilis, versus multiple sclerosis, 455
Syringomyelia, versus multiple sclerosis, 456
Systemic lupus erythematosus, versus multiple sclerosis, 454

T
Tardive dyskinesia, drug-induced, 381–382
Tardy ulnar palsy, 289
Tarsal tunnel syndrome, 303–306
Temazepam, for insomnia, 413
Tension-type headache, versus migraine, 249
Teratogenicity, of antiepileptic drugs, 349–350
Terrors, sleep, 418–419
Tetrabenazine, for Tourette syndrome, 385
Thalamotomy, for essential tremor, 376
Thigh, lateral cutaneous femoral neuropathy in, 301–303
Thromboembolism, ischemic stroke in, 358–360
Thrombolytic agents, for stroke, 359–360
Tibial neuropathy, tarsal tunnel syndrome in, 303–306
Tics, in Tourette syndrome, 384–386
Tilt table testing, in syncope, 433
Tilt training, for syncope, 434
Timolol, for migraine prevention, 259
Tinel’s sign, in carpal tunnel syndrome, 286
Tissue plasminogen activator, for thromboembolic stroke, 359–360
Toe(s), Morton’s neuroma of, 308–309
Topiramate
  for migraine prevention, 259
  for seizures, 347–348
Tourette syndrome, 384–386
Tracheostomy, for obstructive sleep apnea, 415
Traction test, in neck pain, 276
Transient ischemic attack
   activity before, 364
   evaluation of, 366
   stroke after, 361–363
   symptoms of, 354–355
   versus migraine, 251–252
Transverse myelopathy, neck pain in, 279
Trazodone, for insomnia, 413
Tremor
   essential, 374–376
   in Parkinson disease, 371
   in Wilson disease, 382
Triazolam, for insomnia, 412–413
Trientine, for Wilson disease, 383
Trigeminal neuralgia, 329
Triggers
   for lumbar radiculopathy, 486
   for migraine, 250
   for seizures, 345
   for syncope, 429–432
Trihexyphenidyl, for Parkinson disease, 374
Triptans, for migraine, 254–255, 257
Tropical spastic paraparesis, versus multiple sclerosis, 455
Tussive syncope, 431

U
Uhtoff’s phenomenon, in multiple sclerosis, 461
Ulnar neuropathy
   at elbow, 288–292
   at wrist, 292–293
Urination, syncope due to, 431
Uvulopalatopharyngoplasty, for obstructive sleep apnea, 415

V
Valproate
   for dizziness, 269
   for migraine, 257–259
   for seizures, 347–348
Valsalva test, in neck pain, 276
Vascular dementia, 398–399
Vasovagal syncope, 429–430, 434–435
Venlafaxine
   for migraine prevention, 259
   for narcolepsy, 417
Vertebral compression fractures, 492–494
Vertebroplasty, for vertebral compression fractures, 494
Vertigo. See Dizziness.
Vestibular disorders, dizziness in, 264–265, 268–269
Vestibular suppressant medications, 266, 268–269
Vestibulo-ocular reflex, 267
Visual symptoms, in migraine, 250–252
Vitamin B₁₂ deficiency, versus multiple sclerosis, 455
Vitamin E
  deficiency of, versus multiple sclerosis, 455
  for Alzheimer’s disease, 397
Vomiting, in stroke, 364

W
Wartenberg’s sign, in ulnar neuropathy, 289–290
Weakness
  in chronic inflammatory demyelinating polyneuropathy, 329–330
  in Guillain-Barré syndrome, 317–318
  in multiple mononeuropathy, 331
Whiplash, 279–280
White matter abnormalities, in migraine, 253
Wilson disease, 382–383, 455
Wrist, neuropathy at
  median (carpal tunnel syndrome), 285–288
  radial, 293–296
  ulnar, 292–293

Z
Zalepon, for insomnia, 413
Zinc, deficiency of, versus multiple sclerosis, 455
Zinc acetate, for Wilson disease, 383
Zolmitriptan, for migraine, 254–255
Zolpidem
  for circadian rhythm disorders, 418
  for insomnia, 413