

Index

Abnormal Involuntary Movement Scale, 58
 Abraham, Karl, 115–116, 375
 Abreaction process, 36, 133
 Absence (petit mal) seizure, 298
 Abulia, 47
 Abuse and neglect
 battered children, 360
 of children
 parental characteristics, 360
 socioeconomic risks, 360
 incest
 relations, 361
 socioeconomic consideration, 361
 risk factors for abusers, victims, 361
 sexual harassment, 362
 stalking, 363
 Acamprosate (Campral), 16, 247–248
 Acathexis/cathectic, 49
 Acetylcholine, 11, 75
 nicotinic acetylcholine receptors, 16, 82, 86, 96
 synthesis/metabolism, 10
 Acquired receptive (epileptic) aphasia, 176
 Acrophobia, 47
 Activities of daily living (ADL), 74
 Acute dystonia, from cocaine, 91–92
 Acute inflammatory demyelinating polyneuropathy (AIDP), 346–347
 Acute neuroma, 312
 Acute stress disorder, 119
 Addictions, alcohol-related disorders
 alanine aminotransferase/aspartate aminotransferase, 85
 CAGE questionnaire, 85
 Cloninger types of alcoholism, 85
 comorbidities, 85–86
 effects on sleep, 84
 fetal alcohol syndrome, 86
 gamma-glutamyl transpeptidase (GGT), 85, 86
 idiosyncratic alcohol intoxication, 86
 mechanism of effects, 86
 metabolism of alcohol, 86–87
 one drink equivalents, 87
 prognosis, 87
 psychodynamic theories about, 87–88
 Wernicke-Korsakoff syndrome, 88
 Wernicke's encephalopathy, management, 88

withdrawal seizures, 84–85
 Addictions, general considerations
 abuse vs. dependence, 81–82
 acting mechanisms of substances, 82
 drug abusers, common mental disorders, 83
 DSM-IV-TR diagnosis
 dependence but not abuse, 82
 substances with no withdrawal, 82
 substance abuse
 common substances, 83
 remission courses, 83
 Addictions, non-alcoholic substance related disorders, 85
 amphetamine/cocaine intoxication and withdrawal, 82, 89–90
 caffeine, mechanism of action, 90
 cannabis
 induced disorders, 90
 mechanism of action, 90
 specific signs/symptoms, 90
 club drugs, 91
 cocaine, 91
 adverse effects, 91–92
 disorders induced by, 93
 use during pregnancy, 92
 date rape drugs, 93
 ecstasy (MDMA), 82, 91, 93–94
 eye/vision specific symptoms
 intoxication/withdrawal, 93
 hallucinogens, 93–94
 disorders induced by, 94
 intoxication, signs/symptoms, 94
 inhahalants, 94
 mechanisms of action, 95
 pathological effects, 95
 LAAM (levo-alpha acetyl methadol), 91
 LSD, 82, 91, 93–94, 95
 methamphetamines, 95
 nicotine/nicotine-related disorders, 82, 83, 86, 96
 opioids, 17, 82, 93, 96–97
 dependence (etiology), 97
 intoxication and withdrawal, 97–98
 pregnancy and, 97, 98
 receptors, 98

442 Index

- Addictions, non-alcoholic substance related disorders (*Cont.*)
 - phencyclidine (PCP)
 - intoxication, signs/symptoms, 98–99
 - intoxication, treatment, 99
 - receptor mechanism, 99
 - substance-specific symptoms, 99
 - Adipex-P (phentermine), 260–261
 - Adolescent development. *See also* child and adolescent psychiatric disorders; child development
 - Freud on, 34
 - gender identity, 30
 - gender role, 30
 - puberty development
 - in boys, 33
 - in girls, 33–34
 - social development model, 30
 - stages/classical theories, 27
 - concrete operational stage (Piaget), 29
 - developmental stages (Piaget), 31
 - Adrenergic alpha-2 receptor, 10–11
 - Adrenogenital syndrome, 288
 - Adverse effects, evaluation and treatment for. *See also* pharmacokinetic interactions
 - amantadine, 267
 - anticholinergics, 268
 - antidepressants, 270
 - antipsychotics, 271, 273
 - atypical, 272, 275
 - benztropine, 268
 - dantrolene, 268–269
 - deep brain stimulation, 277
 - diphenhydramine, 269
 - discontinuation syndromes, 269–270
 - electroconvulsive therapy, 276, 281–282
 - MAOIs, 270–271
 - neuroleptic malignant syndrome, 271
 - propranolol, 271–272
 - psychosurgery, 280
 - Rabbit syndrome, 272
 - serotonin syndrome, 273
 - SIADH, 273
 - tardive dyskinesia, 273–275
 - trihexyphenidyl, 275
 - Affect flattening, 105
 - Affect vs. mood, 47
 - Afrin (oxymetazoline), 264
 - Agnosia, 47
 - finger agnosia, 340
 - Agranulocytosis, from antipsychotics, 270
 - Agraphia, 47
 - alexia without, 308, 339
 - AIDS-related disorders
 - CNS lymphoma, 292
 - complications presentation, 293
 - cryptococcus, 292
 - cytomegalovirus (CMV), 292–293
 - toxoplasmosis, 292, 296
 - Ainsworth, Mary, 46
 - Akathisia, 18, 47, 271–272, 334
 - Akinesia, 47, 336, 338
 - Alanine aminotransferase (AAT), 85
 - Alcohol-related disorders (addictions)
 - alanine aminotransferase/aspartate aminotransferase, 85
 - CAGE questionnaire, 85
 - Cloninger types of alcoholism, 85
 - comorbidities, 85–86
 - effects on sleep, 84
 - fetal alcohol syndrome, 86
 - gamma-glutamyl transpeptidase (GGT), 85, 86
 - idiosyncratic alcohol intoxication, 86
 - mechanism of effects, 86
 - metabolism of alcohol, 86–87
 - one drink equivalents, 87
 - prognosis, 87
 - psychodynamic theories about, 87–88
 - Wernicke-Korsakoff syndrome, 88
 - Wernicke's encephalopathy, management, 88
 - withdrawal seizures, 84–85
 - Alexia without agraphia, 308, 339
 - Alexithymia, 48
 - Alogia (poverty of speech), in schizophrenia, 105
 - Alprazolam (Xanax), 236, 237
 - Altruism, 372
 - Alzheimer, Aloysius, 72–73
 - Alzheimer's disease, 21
 - dementia with Lewy bodies from, 75–76
 - depression and, 77–78
 - Down's syndrome and, 175
 - fluent aphasia and, 340
 - genetic findings, 72
 - neuropathology, 72–73
 - pharmacologic treatments
 - donepezil for, 253–254
 - rivastigmine for, 255
 - tacrine for, 255
 - transcortical aphasia and, 342
 - Amaufanyane (culture bound syndrome), 372
 - Amantadine (Symmetrel), 267
 - Amaurosis fugax, 48
 - Ambien/Ambien CR (zolpidem), 246
 - Ambivalent attachment (of children), 27–28
 - Amitriptyline (Elavil)
 - for children and adolescents, 171
 - general information, 217–218
 - Amnesia
 - from acute stress disorder, 119
 - from amaufanyane, 372
 - cognitive impairment in, 74
 - dissociative amnesia, 132–133
 - treatment, 134
 - etiology, 73
 - infantile amnesia, 31, 51
 - mammillary body, 73

- paramnesia, 52
- from piblokto, 380
- transient global amnesia, 80, 93, 310
- Amok** (culture bound syndrome), 372–373
- Amoxapine** (Asendin), 218–219
- Amphetamines** (Adderall, Adderall XR), 82, 91, 95, 256–257
- Amphotericin, for cryptococcus infection, 292
- Amprenavir**, 262
- Amygdala**, 7
 - amnesia and, 73
 - anatomy of, 2
 - PTSD and, 122–123
 - roles in anxiety/fear, 2
- Amyotrophic lateral sclerosis (ALS)**, 343–344
- Anafranil** (clomipramine), 122, 125–126, 171, 220–221
- Anal stage**, of child development (Freud), 34, 36
- Analysis of variance (ANOVA)**, 65
- Androgenic agent**, for hypoactive sexual desire disorder, 137
- Angelman's syndrome**, 285–286
- Angiotensin converting enzyme (ACE) inhibitors**, 264
- Anhedonia, in schizophrenia, 48, 105
- Anomia, 48
- Anorexia nervosa**, 143–144
 - medical treatment, 146
- Anosognosia, 48, 304
- Anterior capsulotomy**, 281
- Anterior cerebral artery stroke**, 304
- Anterior cingulotomy**, 281
- Anticholinergics**
 - adverse effects, 268
 - for impaired cognitive function, 77
- Anticonvulsants**, 73, 154, 163–164, 282–283. *See also* carbamazepine; phenobarbital; phenytoin; valproate
- Antidepressants**. *See also* mirtazapine; selective serotonin reuptake inhibitors; tricyclic antidepressants (TCAs)
 - adverse effects, 270
 - amitriptyline, 171, 217–218
 - amoxapine, 218–219
 - for bipolar depression, 116–117. (*See also* bipolar disorders)
 - for bulimia nervosa, 144–145
 - bupropion (*See* bupropion)
 - for children and adolescents, 171
 - citalopram, 220
 - clomipramine (*See* clomipramine)
 - desipramine, 221
 - desvenlafaxine, 222
 - downregulation of postsynaptic β -adrenergic receptors from, 115
 - doxepin, 222–223
 - duloxetine, 223
 - escitalopram, 224
 - fluoxetine (*See* fluoxetine)
 - fluvoxamine, 225
 - for generalized anxiety disorder, 120
 - heterocyclic antidepressants, 225
 - imipramine, 171, 225–226
 - isocarboxazid, 226
 - maprotiline, 226–227
 - mirtazapine, 11, 227
 - nefazodone, 228
 - norepinephrine, 115, 228
 - nortriptyline, 171, 228–229
 - paroxetine, 171, 229
 - phenelzine, 229–230
 - protriptyline, 230
 - risks of withdrawal, 113
 - selected serotonin receptors (*See* selective serotonin reuptake inhibitors (SSRIs))
 - selegiline (transdermal), 230–231
 - sertraline, 171, 231
 - sexual dysfunction from, 141
 - for social phobia, 122
 - for Tourette's disorder, 179–180
 - tranylcypromine, 232
 - trazodone, 232–233
 - trimipramine, 233
 - venlafaxine, 141, 233–234
- Antiemetics**, 73
- Antiepileptic drugs**
 - for antisocial personality disorder, 162
 - causing renal stones, 298
 - causing teratogenic defect, 298
 - for herpes zoster, 293
 - increasing seizure risks, 298
 - inducing hepatic metabolism of oral contraceptives, 298
 - not blocking Na^+ channel, 298
- Antifungal medications**, 263–264. *See also* ketoconazole; miconazole
- Antilirium** (physostigmine), 75, 268
- Antipsychotics**, 264. *See also* atypical antipsychotics
 - for acute agitation/oral vs. injections, 197
 - adverse effects, 270, 271
 - anticholinergic symptoms in, 268
 - atypical vs. typical, 197
 - for bipolar depression, 117
 - for body dysmorphic disorder, 125–126
 - for borderline personality disorder, 163–164
 - for children and adolescents, 171
 - glycine with, 104
 - low vs. high potency agents, side effects, 207–208
 - for PTSD, 123
 - specific antipsychotics
 - ariPIPrazole, 171
 - chlorpromazine, 198
 - clozapine (*See* clozapine)
 - droperidol, 199–200
 - fluphenazine, 200
 - haloperidol, 200–201
 - loxpipazine, 201–202

444 Index

- Antipsychotics (*Cont.*)
 - molindone, 202
 - olanzapine, 73, 202–203
 - paliperidone vs. risperidone, 203
 - perphenazine, 203–204
 - pimozide, 204
 - prochlorperazine, 204–205
 - quetiapine, 75, 205
 - risperidone, 73, 205–206
 - thioridazine, 206
 - thiothixene, 207
 - trifluoperazine, 207
 - ziprasidone, 208
 - for Tourette's disorder, 179–180
 - use in demented/elderly, 73
- Antiretroviral agents, 262
- Antisocial Personality Disorder, 83, 85–86, 164
 - general background, 162
 - ICD-10 vs. *DSM-IV-TR*, 166
 - treatment for, 162
- Anton's syndrome, 48
- Anxiety disorders, 85–86
 - acute stress disorder, 119
 - adenosine receptor/panic disorder, 120
 - agoraphobia, 120
 - biofeedback for, 189
 - from cocaine use, 92
 - generalized anxiety disorder, treatment, 120
 - from hallucinogens, 94
 - mood disorders with, 112
 - neurophysiology of, 120
 - obsession vs. compulsion, 120–121
 - obsessive compulsive disorder (OCD), 121
 - panic attacks, 121
 - panic disorders, 121–122
 - phobias, 122
 - posttraumatic stress disorder (*See posttraumatic stress disorder*)
 - prevalence of, 124
 - primary vs. organic anxiety syndrome, 124
- Anxiolytics and hypnotics
 - alprazolam, 236
 - benzodiazepines (*See benzodiazepines*)
 - buspirone, 120, 122, 125–126, 237
 - chlora hydrate, 237–238
 - chlordiazepoxide, 238
 - clonazepam, 154, 237, 238–239
 - clorazepate, 239
 - for conversion disorder, 126
 - diazepam, 237, 239–240
 - estazolam, 237, 240
 - eszopiclone, 240
 - flurazepam, 237, 240–241
 - gamma-hydroxybutyrate (GHB), 91, 93, 152, 241–242
 - hydroxyzine, 242
 - lorazepam, 237, 242–243
 - oxazepam, 237, 243
 - ramelteon, 243–244
 - temazepam, 244
 - triazolam, 244
 - zaleplon, 245–246
 - zolpidem, 246
- Aphagia/dysphagia, 339
- Aphasias
 - acquired receptive (epileptic) aphasia, 176
 - conduction aphasia, 339
 - fluent aphasia, 340
 - global aphasia, 340–341
 - non-fluent aphasia, 341
 - paraphasias, 342
 - transcortical aphasia, 342
- Apoptosis vs. necrosis, 19
- Apraxia, 48
- Arieti, Silvano, 115–116
- Aripiprazole, 197, 268, 271
 - adverse effects, 272
 - for children and adolescents, 171
- Arnold, Julius, 286
- Arnold-Chiari malformation, 286
- Arousal and wakefulness
 - anatomy of, 19
 - electrophysiology of, 20
- Arrhythmias, from cocaine, 91–92
- Artane (trihexyphenidyl), 275
- Asendin (amoxapine), 218–219
- Aspartate aminotransferase (AST), 85
- Asperger, Hans, 172
- Asperger's disorder, 172
- Aspirin, 266
- Assertiveness training, for dependent personality disorder, 164
- Astrocytoma, 312
- Ataque de nervios (culture bound syndrome), 373–374
- Ataxia/gait disturbances, 78, 88
- Atherosclerosis and Binswanger's disease, 73
- Athetosis, 333
- Ativan (lorazepam), 237, 242–243, 245
- Atomoxetine (Strattera), 257
- Attachment bond, 37
 - biofeedback for, 189
 - comorbid conditions, 177
 - Multimodal Treatment Study of children with ADHD, 179
- Attribution theory, 37
- Atypical antipsychotics, 73
 - adverse effects, 272, 275
 - CYP450 interactions by, 263
 - pregnancy safety of, 213–214
 - typical vs., 197
- Audible thoughts (auditorization), 103–104
- Auditory system, 2–3
- Autistic disorders (Kanner's syndrome), 171, 173
- Aventyl (nortriptyline), 171, 228–229
- Avoidance learning, 43
- Avoidant attachment (of children), 27–28

- Avoidant personality disorder, 162
 - dependent vs., 164–165
 - ICD-10 vs. *DSM-IV-TR*, 166
- Avolition (poverty of activity), in schizophrenia, 105
- Axis I–V disorders (multiaxial system), 56
- Barbiturates, 13, 298
 - ECT and, 282–283
 - porphyria and, 181
 - Wada test and, 63
- Barré, Jean-Alexandre, 346–347
- Basal ganglia
 - child development and, 30
 - functional neuroanatomy, 3
 - nondeclarative memory and, 23
 - in schizophrenia, 101
 - serotonin and, 18
- Bateson, Gregory, 41
- Battered children, 360
- Beck, Aaron, 58
- Beck Depression Inventory (BDI), 58
- Becker's dystrophy, 344
- Behavioral therapy. *See also* cognitive behavior therapy (CBT); dialectical behavior therapy (DBT)
 - for conversion disorder, 126
 - for hypoactive sexual desire disorder, 137
 - for OCD, 121
 - for phobias, 122
- Benadryl (diphenhydramine), 269
- Bender, Lauretta, 58–59
- Bender gestalt test, 58–59
- Benzodiazepines, 13, 93–94, 262, 266. *See also* alprazolam; diazepam; estazolam; lorazepam; triazolam
 - for borderline personality disorder, 163–164
 - ECT and, 276, 279, 282–283
 - general considerations, 236–237
 - for generalized anxiety disorder, 120
 - for impaired cognitive function, 77
 - for insomnia, with delirium, 75
 - with long half life, 237 (*See also* chlordiazepoxide; clonazepam; clorazepate; diazepam; flurazepam; halazepam; prazepam; quazepam)
 - with medium to short half life, 237 (*See also* alprazolam; estazolam; lorazepam; oxazepam; temazepam; triazolam)
 - for panic disorder, 122
 - for phobias, 122
 - for PTSD, 123
 - quick onset of action, 243 (*See also* alprazolam; diazepam; estazolam; lorazepam; triazolam)
 - for restless leg syndrome, 154
 - short-term, for mania, 117
 - sundowning and, 79
 - use of, with liver impairment, 245 (*See also* lorazepam (Ativan); oxazepam; temazepam)
 - withdrawal from, 245
- Benzphetamine (Didrex), 257–258
- Benztropine (Cogentin), 268
- Bertillon, Jacques, 55
- Bertillon Classification of Causes of Death. *See* International Statistical Classification of Diseases and Related Health Problems (ICD)
- Beta blockers, 162, 263–264. *See also* labetalol; propranolol
- Betrayal trauma, 131
- Bibring, Edward, 115–116
- Binge eating disorder, 144
- Binswanger, Otto, 73
- Binswanger's disease (subcortical arteriosclerotic encephalopathy), 73
- Bioethics (basics), 364. *See also* legal and ethical issues
- Biostatistics
 - analysis of variance (ANOVA), 65
 - case controlled study, 65
 - chi-square (χ^2), 65
 - cohort study, 66
 - confidence intervals, 66
 - construct validity, 66
 - correlation coefficient, 66
 - dependent/independent variable, 66
 - descriptive study, 67
 - intervention study, 67
 - kappa values, 67
 - meta-analysis, 67
 - null hypothesis (H_0), 67
 - associated errors, 67
 - p-value, 68
 - positive predictive value/negative predictive value, 68
 - prevalence vs. incidence, 68
 - regression, 68
 - regression analysis method, choice determination, 65–66
 - relative risk vs. odds ratio, 68
 - reliability, 69
 - sensitivity vs. specificity, 69
 - standard deviation (SD), 69
 - standard error (SE) vs., 69–70
 - validity (internal, external, construct), 70
- Bipolar disorders, 83, 107. *See also* anticonvulsants; antidepressants; antipsychotics; carbamazepine; lamotrigine; mood disorders
 - ADHD with, 177
 - in adolescents, 171
 - cyclothymic disorder, 112
 - ECT for, 116–117
 - in elderly people, 111
 - epidemiology of, 114
 - genetics of, 114
 - PTSD with, 123

446 Index

- Bipolar disorders (*Cont.*)
 - with rapid cycling, 111
 - treatment for, 116–117
- Black pitch delirium, 73
- Bleuler, Eugen, 102
- Body dysmorphic disorder
 - hypochondriasis vs., 127
 - taijin kyonfusho vs., 382
 - treatment, 125–126
- Borderline personality disorder
 - alternative terminology, 163
 - gender identity disorder vs., 137
 - general information, 163
 - ICD-10 vs. *DSM-IV-TR*, 166
 - rapprochement and, 34
 - treatment for, 163–164
- Botulinum toxin, 334, 344
- Bouffée délirante (culture bound syndrome), 374
- Bowlby, John, 27–28, 116
- BPRS. *See* brief psychotic rating scale (BPRS)
- Brain fag (culture bound syndrome), 374–375
- Brain fissures
 - Rolandic fissure, 7
 - Sylvian fissure, 7
- Brain tumors and injuries
 - acute neuroma, 312
 - astrocytoma, 312
 - at cerebellopontine angle, 317
 - coup/contrecoup injuries, 313
 - glioblastoma, 313
 - hematomas
 - epidural, 313
 - subdural, 316
 - meningiomas, 313, 314
 - metastatic tumors, 314
 - pituitary adenoma, 314
 - postconcussion memory impairment, 315
 - pseudotumor cerebri
 - clinical features, 314
 - diagnosis, 315
 - risk factors, 315
 - treatment, 315
 - shaken baby syndrome, 315
 - at temporal lobe, 317
 - traumatic brain injury (pathological change), 316–317
- Brief focal psychodynamic psychotherapy, 190
- Brief psychotherapy, 126, 190, 195
- Brief psychotic disorder, 101
- Brief psychotic rating scale (BPRS), 59
- Briquet, Paul, 126
- Briquet's syndrome, 126
- Bromocriptine (Parlodel), 154
- Brown-Sequard, Charles, 326
- Brown-Sequard syndrome, 326
- Bulbar vs. pseudobulbar palsy, 305
- Bulimia nervosa
 - described, 144
 - treatment for, 144–145
- Buprenorphine (Buprenex, Subutex, Suboxone), 248–249
- Bupropion (Wellbutrin, Wellbutrin SR, Wellbutrin XL), 116–117, 262–263
 - adverse effects, 270
 - ECT interaction with, 279, 282–283
 - general information, 219–220
 - sexual dysfunction (possible) from, 141
- Buspirone (BuSpar)
 - for body dysmorphic disorder, 125–126
 - general information, 237
 - for generalized anxiety disorder, 120
 - for panic disorder, 122
- Caffeine, 82, 124, 264
 - anxiety disorders and, 120
 - mechanism of action, 90
- CAGE (alcohol screening) questionnaire, 85
- Calcium channel blockers, 263–264. *See also* diltiazem; verapamil
- Campral (acamprosate), 16, 247–248
- Cannabis/cannabinoid receptors, 82, 83
 - conjunctival infections from, 93, 99
 - induced disorders, 90
 - mechanism of action, 90
 - specific signs/symptoms, 90
- Capgras, Joseph, 48
- Capgras syndrome, 48
- Carbamazepine, 264, 266
 - adverse effects/safety caution, 210
 - for bipolar disorder, 117
 - causing teratogenic defect, 298
 - general information, 209–210
 - laboratory assessment, 210–211
 - for partial seizures, 299
 - pharmacokinetic interactions of, 262–263
 - pregnancy safety of, 213–214
- Carbatrol. *See* carbamazepine
- Carbidopa/levodopa (Sinemet), 154
- Cardiac effects
 - of cocaine, 91–92
 - of inhalants, 95
- Carotid artery TIAs, 305
- Carpal tunnel syndrome
 - clinical features, 344
 - pathophysiology/treatment, 345
- Castration anxiety, 33, 34, 44
- Catalepsy, 48
- Cataplexy, 49
- Catatonia, in schizophrenia, 106–107
- Catecholamines, 11. *See also* dopamine; epinephrine; norepinephrine
- Cathexis/acathexis, 49
- Cauda equina syndrome, 326
- Caudate nucleus, functional neuroanatomy, 3–4
- Celexa (citalopram), 220
- Centrex (prazepam), 237
- Cerebellar hemorrhage, 305
- Cerebellum function, 4

- Cerebral palsy (spastic), 287
- Cerebrospinal fluid
 - appearance/related pathology, 293
 - formation/absorption, 4
 - glucose levels, 326
 - suicide and, 356
 - WBC counts, 293
- Cerebrovascular accidents, risk factors, 306
- Cerebrovascular effects, of cocaine, 91–92
- Cervicular radiculopathy, 328
- CGI. See clinical global improvement scale (CGI)
- Chantix (varenicline), 252
- Chi-square (χ^2) distribution, 65
- Chiari, Hans, 286
- Child abuse. *See also* incest
 - battered children, 360
 - parental characteristics, 360
 - socioeconomic risks, 363
- Child and adolescent psychiatric disorders
 - antipsychotics approved for, 171
 - Asperger's disorder, 172
 - comorbid conditions, 177
 - Multimodal Treatment Study of children with ADHD, 179
 - autistic disorder (Kanner's syndrome), 173
 - chronic motor/vocal tic disorder, 173
 - conduct disorder, 174
 - deceased parents/bereavement, 173
 - depression (children), 174
 - developmental coordination disorder, 174
 - disintegrative disorder, 173
 - Down's syndrome, 175, 179
 - drug metabolism (children), 175
 - DSM-IV-TR* categories, 170–171
 - encores, 175
 - enuresis, 175
 - expressive language disorder, 176
 - fetal alcohol syndrome, 86, 176, 179
 - Kleine-Levin syndrome, 176
 - Landau-Kleffner syndrome, 176
 - learning disorders, 176
 - mental retardation
 - common causes, 179
 - diagnosis, 174–175
 - functional level, 177
 - pharmacologic agents for
 - clonidine, 173–174
 - psychostimulants, 177
 - SSRIs, 171
 - tricyclic antidepressants, 172
 - phonological disorder, 177
 - pica, 177
 - reactive attachment disorder (infancy/early childhood), 178
 - reading disorder, 178
 - Rett's disorder, 178
 - ruminination disorder, 178
 - selective mutism, 178
 - separation anxiety disorder, 178
 - stereotypic movement disorder, 179
 - stuttering, 179
 - Tourette's disorder, 179–180
 - transient tic disorder, 180
 - written expression disorder, 175
- Child development. *See also* adolescent development
 - attachment styles, 27–28
 - behavior-neurological maturation correlation, 30
 - behavioral milestones
 - for 2 years old, 27–28
 - for 3 years old, 29
 - for 4 years old, 29
 - for 5 years old, 29
 - death, understanding permanency of, 35
 - egocentrism (Piaget), 30
 - Freud on, 29, 33, 34
 - gender identity, 30
 - gender role, 30
 - good-enough mothering, 31
 - imprinting, 31
 - infantile amnesia, 31
 - language milestones, 31–32
 - object constancy, 32
 - object relations theory, 32
 - phallic stage, 33
 - Piaget on
 - concrete operational stage, 29
 - developmental stages, 31
 - egocentrism, 30
 - object permanence, 32
 - preoperational stage, 33
 - preschool years, 29
 - sensorimotor stage, 34
 - rapprochement (reconciliation)stage, 34
 - separation-individuation stages, 34
 - social development model, 30
 - stranger anxiety, 35, 46
 - transitional object phase, 35
- Child neglect
 - by parents, 362
 - signs of, 362
- Chloral hydrate, 237–238
- Chlordiazepoxide (Librium), 237, 238
- Chlorpromazine, 198
- Chlorpromazine (Thorazine), 266, 378
- Cholinesterase inhibitors (class effects), 253
- Chorea, 49
- Cialis (tadalafil), 139–140, 265
- Cimetidine, 263–264, 266
- Cingulate gyrus, 7
 - density reduction in schizophrenia, 106
 - functional neuroanatomy, 4–5
 - PTSD and, 122–123
- Ciprofloxacin, 263–264
- Circumstantiality/tangentiality, 49
- Citalopram (Celexa), 220

448 Index

- Classical conditioning (Pavlov)
 - discrimination, 37
 - extinction, 37–38
 - generalization, 38
- Classification/diagnostic criteria
 - Diagnostic and Statistical Manual of Mental Disorders (DSM)*, 54–55
 - specifiers in diagnosis, 56
- International Statistical Classification of Diseases and Related Health Problems (ICD), 55
 - multiaxial system (Axis I–V), 56
 - psychiatric diagnosis, validity of, 56
- Clerambault, syndrome, 50
- Clinical global improvement scale (CGI), 59
- Clomipramine (Anafranil)
 - for body dysmorphic disorder, 125–126
 - for children and adolescents, 171
 - general information, 220–221
 - for obsessive compulsive disorder, 121
 - for panic disorder, 122
- Clonazepam (Klonopin), 154, 237
- Clonidine (Catapres), 154
 - for children and adolescents, 173–174
 - for substance-related disorders, 249
 - for Tourette's disorder, 179–180
- Cloninger, Robert, 85
- Clorazepate (Tranxene), 237, 239
- Clozapine, 117
 - adverse effects, 198–199, 268, 270, 271, 272
 - clinical efficacy, 198
 - ECT interaction with, 279, 282–283
 - pharmacokinetic interactions of, 262–263
 - WBC count/ANC monitoring, 199
- Clozapine for delirium, 75
- Club drugs, 91
- Cluster headaches
 - clinical features, 319
 - treatments, 319
- Cocaine, 82, 91
 - cerebrovascular effects of, 91–92
 - disorders induced by, 93
 - use during pregnancy, 92
- Codeine, pharmacokinetic interactions, 263
- Cogentin (benztropine), 268
- Cognex (tacrine), 255
- Cognitive behavior therapy (CBT)
 - for bipolar depression, 116–117
 - for dependent personality disorder, 164
 - for dissociative amnesia, 134
 - for eating disorders, 147–148
 - for generalized anxiety disorder, 120
 - for panic disorder, 122
 - for pedophilia, 139
 - for phobias, 122
 - for psychosocial disorders, 190, 191
 - for PTSD, 123
 - for Tourette's disorder, 179–180
- Cognitive disorders
 - activities of daily living (ADL), 74
 - aging, normal, 78
 - Alzheimer's disease
 - genetic findings, 72
 - neuropathology, 72–73
 - amnesia (etiology), 73
 - antipsychotic use, in demented/elderly, 73
 - Binswanger's disease, 73
 - black pitch delirium, 73
 - cognitive impairment, 74
 - delirium
 - clinical features, 74
 - course and prognosis, 74
 - epidemiology, 74–75
 - proposed mechanisms, 75
 - treatment, 75
 - dementia
 - epidemiology, 76
 - frontotemporal, 78–79
 - HIV-related, 76
 - infectious etiology, 76
 - laboratory workup, 76–77
 - with Lewy bodies, 75–76
 - mood disorders and, 77–78
 - pharmacologic treatment, 78
 - pugilistica, 77
 - vascular, 77
 - from electroconvulsive therapy, 276
 - medicines associated with, 77
 - normal pressure hydrocephalus (NPH), 78
 - Pick's disease, 78–79
 - Pittsburg compound B (PiB), 79
 - sundowning, 79
 - transient global amnesia, 80
- Cognitive dissonance, 38
- Cognitive enhancers and stimulants
 - cholinesterase inhibitors (class effects), 253
 - donepezil, 253–254
 - galantamine, 254
 - memantine, 254–255
 - rivastigmine, 255
 - tacrine, 255
- Cognitive therapy (Beck), 58
- Cohort studies, 66
- Compazine (prochlorperazine), 204–205
- Competency vs. capacity issue, 364–365
- Conduct disorder, 174
 - ADHD with, 177
- Conduction aphasia, 339
- Confabulation, 49
- Confidence intervals, 66
- Confrontation intervention strategy, 190
- Confusion, 88
- Congenital adrenal hyperplasia (CAH), 137, 182
- Congenital neuropsychiatric disorders
 - Angelman's syndrome, 285–286
 - Arnold-Chiari malformation, 286

- cerebral palsy (spastic), 287
- cri-du-chat, 287
- Dandy-Walker syndrome, 287–288
- fragile X syndrome, 26, 179, 288, 290
- Klinefelter's syndrome, 137, 288
- mental retardation (associated with autosomal-recessive inheritance pattern), 288
- Prader-Willi syndrome, 286, 289
- Seckel syndrome, 289–290
- Sturge-Weber syndrome, 290
- triplet (trinucleotide) repeat expansion, 290
- Turner's syndrome, 291
- William's syndrome, 291
- Conjunctival infections, 93
- Construct validity, 60, 66, 70
- Conversion disorder, 126, 159
- Conversion therapy (reparative therapy), 193
- Coprolalia, 49
- Coprophilia, 138–139
- Correlation coefficient, 66
- Cotard's syndrome, 49
- Countertransference, 38, 194
- Coup/countercoup injuries, 313
- Creutzfeldt-Jakob disease, 184
- Cri-du-chat, 287
- Cryptococcus, 292
- Cullen, William, 51
- Cultural and social psychiatry. *See culture bound syndromes*
- Cultural determinism, 375
- Cultural formulation, 375–376
- Culture bound syndromes. *See also National Alliance for the Mentally Ill (NAMI); National Institute of Mental Health Epidemiologic Catchment Area Survey (NIMH-ECA)*
- altruism, 372
- amaufanyane, 372
- amok, 372–373
- Asian patients, 373
- ataque de nervios (attack of nerves), 373–374
- bilis and colera, 374
- bouffée délirante (acute delusional psychosis), 374
- brain fag, 374–375
- death in ethnic groups, 376
- dhat, 376
- domestic violence, 376
- downward drift hypothesis, 41, 376
- falling out/blackening out, 377
- gender and mental illness, 377
- ghost sickness, 378
- koro, 378
- latah, 378–379
- mal de ojo (evil eye), 379
- mental illness, prevalence in U.S., 380
- piblokto, 380
- prevention levels, 379
- psychiatric therapeutics (initial introductions), 378
- Shen-k'uei/shenkui, 381
- Shenjing shuairuo/neurasthenia, 381
- studies
 - Chicago clinical study, 375
 - midtown Manhattan (NYC), 379
 - New Haven (Connecticut), 380
 - susto (fright), 381
 - taijin kyofusho (people phobia), 382
 - twin studies
 - IQ, 382
 - personality/behavior patterns, 382
 - zar, 382
- Cushing's syndrome, 107
- Cymbalta (duloxetine), 223, 270
- Cytomegalovirus (CMV) infections, 292–293
- Dalmane (flurazepam), 237
- Dandy, Walter, 287–288
- Dandy-Walker syndrome, 287–288
- Dantrium (dantrolene), 268–269
- Dantrolene (Dantrium), 268–269
- Date rape drugs, 93
- Death
 - ECT and, 279
 - reaction to approach, 192
- risks of
 - from antipsychotics, 73
 - from aripiprazole, 197
 - from chlorpromazine, 198
 - from clozapine, 198
 - from fluphenazine, 200
 - from haloperidol, 201
 - from loxapine, 201
 - from molindone, 202
 - from olanzapine, 202
 - from perphenazine, 203
 - from pimozide, 204
 - from prochlorperazine, 205
 - from quetiapine, 205
 - from risperidone, 206
 - from thioridazine, 206
 - from thiothixene, 207
 - from ziprasidone, 208
- sudden
 - from cocaine, 92
 - from PE5 inhibitors, 139–140
- understanding permanency of (children), 35
- Declarative (explicit) memory, 22
- Deep brain stimulation (DBS)
 - adverse effects/potential complications, 277
 - indications for, 277
- Defense mechanisms
 - acting out, 38
 - altruism, 38
 - blocking, 38
 - controlling, 38
 - denial, 39

450 Index

- Defense mechanisms (*Cont.*)
 - devaluation, 39
 - displacement, 39
 - introjection, 39
 - isolation, 40
 - passive aggression, 40
 - projection, 40
 - projective identification, 40
 - rationalization, 40
 - reaction formation, 40
 - regression, 40
 - repression, 40
 - somatization, 40
 - splitting, 41
 - sublimation, 41
 - suppression, 41
 - undoing, 41
- Defensive functioning scale (DFS), 59
- Déjà pense, 49
- Déjà vu, 49
- Delirium, 74
 - clinical features, 74
 - from cocaine use, 92
 - course and prognosis, 74
 - epidemiology, 74–75
 - from hallucinogens, 94
 - proposed mechanisms, 75
 - treatment, 75
- Delsym (dextromethorphan), 264
- Delusional disorder, 101–102
 - hypochondriasis vs., 127
- Delusional perceptions, 103–104, 106–107
- Delusions, 101–102. *See also* Bouffée délirante
 - in Capgras syndrome, 48
 - in Cotard's syndrome, 49
 - in dementia with Lewy bodies, 75–76
 - in erotomania, 50
 - in Folie à deux, 50
 - in gender identity disorder, 137
 - in idiosyncratic alcohol intoxication, 86
 - in nihilism, 52
 - in paraphrenia, 106
 - in schizophrenia, 102, 104
 - from sensory deprivation, 45
- Dementia, 21, 74. *See also* Alzheimer's disease;
 - amnesia; pseudodementia
 - epidemiology, 76
 - frontotemporal dementia, 78–79
 - HIV-related, 76, 293–294, 365
 - infectious etiology, 76
 - laboratory workup, 76–77
 - with Lewy bodies, 75–76
 - mood disorders and, 77–78
 - NPH and, 78
 - pharmacologic treatment, 78
 - pugilistica, 77
 - vascular, 77
- Dementia precox. *See* schizophrenia
- Demyelination, 24–25
- Dependent/independent variables, 66
- Dependent personality disorder, 164
- Depersonalization disorder, 132
- Depression, 21, 83, 85–86. *See also* antidepressants; mood disorders; postpartum depression
 - ADHD with, 177
 - assessment tools
 - Beck Depression Inventory, 58
 - Hamilton Rating Scale for Depression, 61
 - Zung Self-Rating Depression Scale, 64
 - atypical, 111
 - in children, 174
 - dexamethasone suppression test, 113
 - double depression, 113
 - duration of episodes, 113
 - in elderly people, 112
 - endocrinological changes in, 113
 - major depressive disorder, 83, 85–86
 - epidemiology of, 114
 - OCD and, 121
 - MAOIs for, 111, 116–117
 - not otherwise specified, 112
 - psychodynamic view of, 115–116
 - PTSD with, 123
 - sleep disorders in, 116, 151
 - treatments, 117
- Dermatomes, 329
- Desipramine (Norpramin), 221
- Desoxyn (methamphetamine), 91, 95, 259–260
- Desvenlafaxine (Pristiq), 222
- Desyrel (trazodone), 232–233
- Developmental articulation disorder (phonological disorder), 177
- Developmental coordination disorder, 174
- Dexamethasone suppression test (DST), 113
- Dextroamphetamine (Dexedrine), 258
- Dextromethorphan (Delsym, Silphen DM, Robitussin DM), 264
- DFS. *See* defensive functioning scale (DFS)
- Dhat (culture bound syndrome), 376
- Diabetes, maternal, 106
- Diagnostic and Statistical Manual of Mental Disorders (DSM). See also* Mini-International Neuropsychiatric Interview (MINI); Social and Occupational Functioning Assessment Scale (SOFAS); Structured Clinical Interview for the DSM-IV (SCID)
 - I (1952), 54
 - II and III (1968), 54
 - III (1980), 54–55
 - III-R (1987), 54–55
 - IV (1994), 55
 - specifiers in diagnosis, 56
- Diagnostic and Statistical Manual of Mental Disorders (DSM) IV-TR (2000), 55*
 - anxiety disorders, 119
 - child and adolescent disorders, 170–171
 - dissociative disorders, 131

- eating disorders, 143
- factitious disorders, 157
- mood disorders, 110
- personality disorders, 161–162
- psychosomatic disorders, 181
- psychotic disorders, 100
- sexual and gender identity disorders, 135–136
- somatiform disorders, 125
- substance-related disorders, 81
 - dependence but not abuse, 82
 - no withdrawal diagnosis, 82
 - other than alcohol, 89
- Dialectical behavior therapy (DBT). *See also* mindfulness
 - for borderline personality disorder, 163–164
 - mindfulness and, 192
 - for psychosocial disorders, 190–191
- Diazepam (Valium), 237, 239–240
- Didrex (benzphetamine), 257–258
- Diltiazem, 263–264
- Diphenhydramine (Benadryl), 269
- Diplopia, 93, 99
- Direct-coupled ion channels, 11–12
- Discontinuation syndromes, 269–270
- Disintegrative disorder (in childhood), 173
- Disorganized attachment (of children), 27–28
- Dissociative disorders
 - betrayal trauma, 131
 - central concepts of, 133
 - depersonalization disorder, 132
 - dissociative amnesia, 132
 - treatments for, 134
 - dissociative fugue, 132
 - dissociative identity disorder, 132
 - etiology (proposed) of, 132–133
 - ICD-10 vs. *DSM-IV-TR*, 166
 - malingering vs., 159
 - neurological research on, 133
 - recovered memory syndrome, 133
- Disulfiram (Antabuse), 249–250
- DMT (dimethyltryptamine), 93–94
- Dolophine (methadone), 250–251
- Domestic violence, risk factors for abusers/victims, 361, 376
- Dominant other concept (Arieti), 115–116
- Donepezil (Aricept), 253–254
- Dopamine. *See also* reward system
 - caffeine enhancement of, 90
 - nuclei (localization), 12
 - receptors, 12
 - reuptake blocking by cocaine, 82
 - schizophrenia and
 - dopamine hypothesis, 102
 - type 2 receptors, 103
 - substantia nigra production of, 9
 - synthesis (mechanism), 12
 - tracts/physiological function, 13
 - VTA activation of, 2, 9
- Dopaminergic agents, for restless leg syndrome, 154
- Doral (quazepam), 237
- Double bind syndrome, 41
- Double depression, 113
- Down's syndrome, 175
- Downward drift hypothesis, 41, 376
- Doxepin (Sinequan), 222–223
- Draw-A-Person test, 59–60
- Dreams
 - from alcohol, 150
 - in amphetamine/cocaine intoxication and withdrawal, 89–90
 - in ghost sickness, 378
 - methods of disguise (Freud), 42
 - psychoanalytic interpretation, 41–42
 - in REM/NREM periods, 151
 - in susto, 381
- Dropoperidol (Inapsine), 199–200, 266
- DSM*. *See Diagnostic and Statistical Manual of Mental Disorders*
- Duchenne's muscular dystrophy, 346
- Duloxetine (Cymbalta), 223, 270
- Durkheim, Emile, 357
- Dysphagia, 339
- Dysprosody, 50
- Dysthymia, 83
- Dystonia, 333
 - dopa-responsive, 334
 - early onset primary, 334
- Eating disorders and weight issues
 - adipocytes, developmental traits of, 145
 - anorexia nervosa, 143–144
 - medical treatment, 146
 - binge eating, 144
 - bulimia nervosa
 - clinical features, 144
 - pharmacological treatment, 144–145
 - DSM-IV-TR* categories, 143
 - epidemiology of, 145
 - fat distribution, 145
 - ippecac syrup (abuse of), 145–146
 - laboratory changes in, 146
 - leptin (regulatory fatty tissue hormone), 146
 - Orlistat (OTC medication), 146–147
 - Pickwickian syndrome, 147
 - psychiatric eating disorders, 147–148
 - test recommendations, 148
 - Eaton, Lealdes, 346
 - Eaton-Lambert syndrome, 346
 - Ecstasy (MDMA). *See* methylenedioxymethamphetamine (MDMA)
 - ECT. *See* electroconvulsive therapy (ECT)
 - Efavirenz, 262
 - Ego psychology, 42
 - Eidetic images, 50
 - Elavil (amitriptyline), 171, 217–218
 - Electra complex, 44

452 **Index**

- Electroconvulsive therapy (ECT). *See also* deep brain stimulation; psychosurgery; transcranial magnetic stimulation (TMS)/repetitive TMS; vagus nerve stimulation
 - adverse effects/risks, 281–282
 - for bipolar depression, 116–117
 - cognitive impairment in, 276
 - conditions leading to consideration for, 277
 - contraindications for, 277
 - for delirium, 75
 - electrical factors/electrode placement, 278
 - indications for, 278
 - introduction (1938), 378
 - for manic/mixed episodes, 117
 - mechanism of, 279
 - mortality of, 279
 - for postpartum depression, 115
 - pregnancy and, 280
 - psychotropic medication interaction with, 279
 - seizure quality in, 281
 - seizure threshold in, 282–283
 - structural brain damage and, 283
 - succinylcholine's adverse effects during, 279
- EMDR. *See* eye movement desensitization and reprocessing (EMDR)
- EMSAM (transdermal selegiline), 230–231
- Encephalitis, from CMV, 292–293
- Encores, 175
- Enmeshment vs. disengagement, 191
- Enuresis, 175
 - nocturnal enuresis, 172
- Epidural hematomas, 313
- Epilepsy, 25. *See also* antiepileptic drugs
 - absence seizures, 298, 299
 - drugs (first-line) for, 299, 301
 - epidemiology of, 299
 - frontal lobe partial seizures, 299
 - grand mal seizures, 300
 - occipital lobe partial seizures, 301
 - parietal lobe partial seizures, 301
 - personality changes from, 301
 - pregabalin for, 301–302
 - pregnancy and, 299
 - suicide and, 302
 - surgical treatment for suicide and, 303
 - temporal lobe focal seizures, 303
- Epinephrine, 11
- Epitol. *See* carbamazepine
- Epstein-Barr virus infection, 292
- Equetro. *See* carbamazepine
- Ergotamine for headaches, 319, 320, 322
- Erikson, Erik, 27
 - on preschool years, 29
 - social development model, 30
- Erotomania (Clerambault syndrome), 50
- Erythromycin, 263–264
- Escape learning, 43
- Escitalopram (Lexapro), 224
- Eskalith/Eskalith CR. *See* lithium
 - Estazolam (ProSom), 237, 240
 - Eszopiclone (Lunesta), 240
- Ethical issues. *See* legal and ethical issues
- Ethosuximide, for absence seizure, 298, 299
- Evaluation of signs and symptoms
 - abulia, 47
 - acathexis/cathectic, 49
 - acrophobia, 47
 - affect vs. mood, 47
 - agnosia, 47
 - agraphia, 47
 - akathisia, 47
 - akinesia, 47
 - alexithymia, 48
 - amaurosis fugax, 48
 - anhedonia, 48
 - anomia, 48
 - anosognosia, 48
 - Anton's syndrome, 48
 - apraxia, 48
 - Capgras syndrome, 48
 - catalepsy, 48
 - cataplexy, 49
 - cathexis/acathexis, 49
 - chorea, 49
 - circumstantiality/tangentiality, 49
 - confabulation, 49
 - coprolalia, 49
 - Cotard's syndrome, 49
 - déjà pense, 49
 - déjà vu, 49
 - dysprosody, 50
 - eidetic images, 50
 - erotomania (Clerambault syndrome), 50
 - executive function, 50
 - Folie à deux, 50
 - formication, 50
 - hallucinations, hypnagogic/hypnopompic, 51
 - hyperacusis, 50
 - infantile amnesia, 51
 - jamais vu, 51
 - la belle indifference, 51
 - lethologica, 51
 - neologism, 51
 - neurosis, 51
 - paramnesia, 52
 - passive aggression, 52
 - peduncular hallucinosis, 52
 - perseveration, 52
 - precox feeling, 52
 - synesthesia, 52
 - thought blocking, 53
 - trismus, 53
 - verbigeration, 53
- Evoked potential (EP), 20–21
- Excitatory neurotransmitters, 15
- Excitotoxicity, 21
- Executive function, 50, 74
 - deep brain stimulation (DBS) and, 277

- prefrontal cortex and, 172
- Wisconsin Card Sorting test evaluation, 63
- Exelon/Exelon Patch (rivastigmine), 255
- Explicit (declarative) memory, 22
- Expressive language disorder, 176
- Expressive psychotherapy, 192
- External validity, 70
- Eye movement desensitization and reprocessing (EMDR), 123
- Eye/vision specific symptoms. *See also* Veraguth's fold
 - glaucoma, from antidepressants, 270
 - from non-alcohol addictions, 93, 94
 - nystagmus, 88, 93
 - smooth pursuit eye movements, 108
- Facial dysmorphisms, 86
- Factitious disorders. *See also* malingering
 - clinical features, 157
 - defense mechanisms, 157
 - DSM-IV-TR* categories, 157
 - Ganser's syndrome, 158
 - hallucinations (real vs. faked), 158
 - Munchausen syndrome, 160
 - treatment principles, 158
- Femoral nerve injury, 346
- Festinger, Leon, 38
- Fetal alcohol syndrome, 86, 176, 179
- Finger agnosia, 340
- 5HT3 (direct-coupled ion channel receptor), 11–12, 86
- Flashbacks (persistent perception disorder), 94
- Flat (emotional) affect, 105
- Fluent aphasia
 - clinical characteristics, 340
 - pathology, 340
- Flumazenil (Romazicon), 250
- Flunitrazepam (Rohypnol), 91, 93
- Fluoxetine (Prozac), 264
 - for bulimia nervosa, 144–145
 - for children and adolescents, 171
 - general information, 224–225
 - introduction (1987), 378
- Fluphenazine, 200
- Flurazepam (Dalmane), 237, 240–241
- Fluvoxamine (Luvox, Luvox CR), 225
- Folie à deux, 50
- Folie à deux (Shared Psychotic Disorder), 50
- Formication, 50
- Fragile X syndrome, 26, 179, 288, 290
- Free association, 191
- Freeman, Walter, 280–281
- Freud, Sigmund, 27. *See also* castration anxiety;
 - Oedipus complex; penis envy; resistance
 - on anal stage, of child development, 34, 36
 - on cultural determinism, 375
 - on dreams/methods of disguise, 42
 - on phallic stage of child development, 33
 - on preschool years, 29
 - psychoanalytical psychotherapy and, 192
- schizophrenia formulation by, 104
- suicide theory, 359
- Freyd, Jennifer, 131
- Friedman, Meyer, 46
- Frontotemporal dementia, 78–79
- Functional neuroanatomy
 - amygdala, 7
 - anatomy of, 2
 - roles in anxiety/fear, 2
 - auditory system, 2–3
 - basal ganglia, 3
 - brain fissures, 7
 - caudate nucleus, 3–4
 - cerebellum (function), 4
 - cerebrospinal fluid, 4
 - cingulate gyrus, 4–5, 7
 - glial cells, 5
 - globus pallidus, 5, 8
 - Heschl's gyrus, 6
 - hippocampus, 6, 7
 - hypothalamus, 6, 7, 8
 - limbic system, 7
 - nucleus accumbens, 8, 9
 - prefrontal cortex, 8
 - primary sensory cortex, 8
 - putamen, 8
 - reticular formation, 8–9
 - reward system, 9
 - striatum, 9
 - substantia nigra, 9
 - ventral tegmental area (VTA), 2, 9
- G-protein coupled receptors, 14
- Gait disturbance/ataxia, 78
- Galantamine (Razadyne, Razadyne ER), 254
- Gamma-aminobutyric acid (GABA)
 - anxiety disorders and, 120
 - inhalant enhancement, 95
 - receptors, 13, 86 (*See also* barbiturates; benzodiazepines)
 - in schizophrenia pathology, 104
 - synthesis, 13 (*See also* glutamate)
- Gamma-glutamyl transpeptidase (GGT), 85, 86
- Gamma-hydroxybutyrate (GHB)(Xyrem), 91, 93
 - general information, 241–242
 - for NREM sleep, 152
- Ganser, Sigbert, 158
- Ganser's syndrome, 158
- Geese study (of imprinting), 31
- Generalized anxiety disorder, 83
 - duloxetine for, 223
 - escitalopram for, 224
 - lifetime prevalence of, 124
 - paroxetine for, 229
 - treatment, 120
 - venlafaxine for, 233–234
- Genetics
 - of bipolar disorders, 114
 - of schizophrenia, 104

454 Index

- Geodon (ziprasidone), 208, 266, 268, 271, 272
- Gerstmann, Josef, 340
- Gerstmann's syndrome, 340
- Gestalt psychology, 58–59
- Ghost sickness (culture bound syndrome), 378
- Gilligan, Carol, 43
- Glaucoma, from antidepressants, 270
- Glial cells, functional neuroanatomy, 5
- Glioblastoma, 313
- Global aphasia, 340–341
- Global assessment of functioning (GAF), 60
- Global assessment of relational functioning (GARF), 60
- Globus pallidus, 5, 8
- Glutamate
 - depersonalization disorder and, 133
 - GABA synthesis precursor, 13
 - receptors, 11–12. *See also* NMDA glutamate receptor
 - excitotoxicity and, 21
 - schizophrenia and, 104
 - as VTA component, 9
 - Glutamic acid decarboxylase (GAD), 13
 - Glycine, 13, 15, 16
 - for schizophrenia, 104
 - tetanus interference with, 349
 - Good-enough mothering (Winnicott), 31
 - Grandma's rule (Premack's principle), 45
 - Group therapy
 - for dependent personality disorder, 164
 - for eating disorders, 147
 - for pedophilia, 139
 - for rape, 353
 - Guaifenesin (Robitussin), 264
 - Guanfacine, for Tourette's disorder, 179–180
 - Guillain, Georges, 346
 - Guillain-Barré syndrome, 293, 346–347
 - Guze, Samuel, 56
 - Halazepam (Paxipam), 237
 - Halcion (triazolam), 244
 - Hallucinations, hypnagogic/hypnopompic, 51
 - real vs. faked, 158
 - in schizophrenia, 102, 106–107
 - non-first-rank, 103–104
 - Hallucinogens, 93–94
 - disorders induced by, 94
 - intoxication, signs/symptoms, 94
 - Haloperidol (Haldol), 75, 200–201, 262–263
 - Halstead, Ward, 60
 - Halstead-Reitan neuropsychological battery, 60
 - Hamilton, Max, 61
 - Hamilton Rating Scale for Depression (HAM-D), 61
 - Headaches
 - cluster headaches
 - clinical features, 319
 - treatments, 319
 - demographics of, 319–320
 - ergotamine for, 319, 320, 322
 - from lesion occupying cranial space, 320
 - with meningitis, 321
 - migraines
 - with aura, 321
 - hemiplegic, 321
 - pathophysiology of, 322
 - status migrainous, 322
 - treatment, 322
 - without aura, 322
 - provoking factors, 322–323
 - pseudotumor cerebri, 323
 - secondary, neuroimaging for, 323
 - from subarachnoid hemorrhage, 320
 - temporal arteritis, 323
 - tension headache, 323–324
 - trigeminal neuralgia
 - clinical features, 324
 - pathology, 324–325
 - treatment, 325
 - triptans for, 325
 - Hebb, Donald, 45
 - Hematomas, 313, 316
 - Hemiballismus, 335
 - Hepatic encephalopathy, 26
 - Heschl, Richard, 342
 - Heschl's gyrus, 6
 - Heterocyclic antidepressants, 225
 - Heterotopia, 25
 - HIPAA privacy and security rule, 368
 - Hippocampus, 6, 7
 - memory and
 - amnesia, 73
 - declarative, 22
 - formation/storage, 22–23
 - PTSD and, 122–123
 - schizophrenia and, 104
 - Histamine, 11
 - blockade (clinical effects), 14
 - mirtazapine and, 227
 - modafinil and, 152
 - Histamine headaches, 319
 - Histrionic personality disorder, 164, 165–166
 - HIV-related disorders
 - dementia, 76, 293–294, 365
 - meningitis, 294
 - serum test, 294
 - Horizontal nystagmus, 88
 - Hospitalization, involuntary, 366
 - HPA. *See* hypothalamic-pituitary-adrenal axis (HPA)
 - Huntington's disease, 26, 290, 335
 - Hurler's syndrome, 288
 - Hydroxyzine (Atarax, Vistaril), 242
 - Hyperacusis, 50, 99
 - Hypertension
 - Binswanger's disease and, 73
 - biofeedback therapy for, 189
 - clonidine for, 173–174, 249
 - dementia and, 77

- idiopathic intracranial hypertension (IIH), 314, 323
- intracranial hemorrhage from, 306–307
- MAOIs and, 270
- phencyclidine (PCP) and, 98–99
- propranolol for, 271–272
- sexual arousal disorder and, 140
- Hypnagogic/hypnopompic hallucinations, 51
- Hypnosis, 36
 - for conversion disorder, 126
 - for dissociative disorders, 134
 - for dissociative fugue, 132
- Hypnotics. *See* anxiolytics and hypnotics
- Hypoactive sexual desire disorder, 137
- Hypochondriasis
 - body dysmorphic disorder vs., 127
 - course/prognosis, 126–127
 - delusional disorder vs., 127
 - diagnosis, 127
 - epidemiology, 127
 - etiology (theories), 127–128
 - somatization disorder vs., 129
- Hypoglycemia
 - alcohol withdrawal and, 84–85
 - eating disorders and, 146
 - functional pituitary adenoma and, 184–185
 - neuropsychiatric symptoms, 186
- Hypomagnesaemia, 84–85
- Hyponatremia, 84–85
- Hypothalamic-pituitary-adrenal axis (HPA)
 - child development and, 30
 - dexamethasone suppression test and, 113
 - mental disorders and, 21
 - PTSD and, 122–123
- Hypothalamus, 6, 7, 8
 - activation of SNS, 2
 - child development and, 30
 - melatonin and, 15
- Hypoxyphilia, 138
- Ibuprofen, 264, 266
- ICD. *See* International Statistical Classification of Diseases and Related Health Problems (ICD)
- Idiosyncratic alcohol intoxication, 86
- Imipramine (Tofranil, Tofranil PM)
 - general information, 225–226
 - introduction (1957), 378
 - for panic disorder, 122
- Imprinting (phase-sensitive learning), 31
- Inapsine (droperidol), 199–200, 266
- Incest
 - relations, 361
 - socioeconomic consideration, 361
- Indinavir, 262
- Indomethacin, 264
- Infantile amnesia, 31, 51
- Inflammatory polyradiculoneuropathy, 346–347
- Informed consent issue, 366
- Inhalants, 94
 - acting mechanisms, 95
 - diplopia from intoxication, 99
 - pathological effects, 95
- Inhibitory neurotransmitters, 13, 15
- Insight-oriented therapy
 - for conversion disorder, 126
 - for generalized anxiety disorder, 120
- Instrumental (operant) conditioning, 44
- Intelligence quotient (IQ)
 - mental retardation diagnosis, 174–175
- Internal validity, 70
- International Statistical Classification of Diseases and Related Health Problems (ICD), 55
 - version 10, vs. *DSM-IV-TR* for personality disorders, 166
- Intracranial hemorrhage, 306
- Interpersonal psychotherapy, 192
- Intervention studies, 67
- Intoxication
 - from amphetamines/cocaine, 89–90
 - from cannabis, 99
 - from hallucinogens, 94
 - from inhalants, 99
 - from lithium, 212
 - from opioids, 97–98, 99
 - from PCP, 99
 - from phencyclidine (PCP), 99
 - signs/symptoms, 98–99
 - treatment, 99
- Intracranial hemorrage, 306–307
- Invega (paliperidone), 203, 268, 272
- Involuntary hospitalization, 366
- Ipecac syrup (abuse of), 145–146
- IQ. *See* intelligence quotient (IQ)
- Irresistible impulse, 366
- Isocarboxazid (Marplan), 226
- Jamais vu, 51
- John Cunningham (JC) virus, 295–296
- Jung, Carl, 44, 51, 63
- Kanner's syndrome (autistic disorder), 173
- Kardiner, Abraham, 375
- Kegel, Arnold, 138
- Kernberg, Otto, 32
- Ketamine, 91, 93
- Ketoconazole, 263–264
- Klein, Melanie, 32, 40, 115–116
- Kleine-Levin syndrome, 176
- Klinefelter, Harry, 137
- Klinefelter's syndrome, 137, 288
- Klismaphilia, 138–139
- Klonopin (clonazepam), 154, 237
- Kohlberg, Lawrence, 43
- Kohut, Heinz, 44, 116
- Koro (culture bound syndrome), 378
- Korsakoff's syndrome, 88

456 Index

- Kraepelin, Emil, 72–73, 102
- Kubler-Ross, Elisabeth, 192
- La belle indifference, 51, 126
- Labetalol, 263–264
- Lacrimation (excessive tearing), 93, 99
- Lambert, Edward, 346
- Lambert-Eaton myasthenic syndrome (LEMS), 346
- Lamotrigine (Lamictal), 262–263, 266
 - for bipolar disorder, 116–117
 - general information, 211
 - pharmacokinetic interactions, 264
 - pregnancy safety of, 213–214
- Landau-Kleffner syndrome, 176
- Language impairments
 - alexia without agraphia, 339
 - aphagia/dysphagia, 339
 - conduction aphasia, 339
 - fluent aphasia
 - clinical characteristics, 340
 - pathology, 340
 - formal language testing, 340
 - Gerstmann's syndrome, 340
 - global aphasia, 340–341
 - language forms/relevant hemisphere, 341
 - non-fluent aphasia
 - clinical characteristics, 341
 - pathology, 342
 - paraphasias, 342
 - pathways of language, 342
 - transcortical aphasia, 342
- Language milestones (child development), 31–32
- Latah (culture bound syndrome), 378–379
- Late-onset schizophrenia, 105
- Lateral spinothalamic tracts, 329–330
- Learned helplessness (Seligman), 43
- Learning difficulties/disorders, 25, 86, 121
- Legal and ethical issues
 - bioethics (basics), 364
 - competency vs. capacity, 364–365
 - confidentiality
 - about HIV infection, 365
 - in the court, 365
 - confidentiality breaches, 364
 - four (4) Ds in malpractice, 365
 - guilty but mentally ill, 366
 - HIPAA privacy and security rule, 368
 - informed consent, 366
 - involuntary hospitalization, 366
 - irresistible impulse, 366
 - justification of medical research randomization, 365
 - malpractice cases, standard of care, 369
 - M'Naghten rule, 366
 - negligent prescription practices, 367
 - not guilty due to insanity, 367
 - O'Connor vs. Donaldson, 367
 - physician-assisted suicide, 367–368
 - professional boundaries, 368
- reporting duties, 368
- seclusion and restraint, 369
- seductive patient management, 366–367
- statutory rape, 369
- Tarasoff I and II, 369
- workmen's compensation, 370
- Lennox, William, 300
- Lennox-Gastaut syndrome, 300
- Lethologica, 51
- Leukopenia, from antipsychotics, 270
- Levitra (vardenafil), 139–140, 265
- Lexapro (escitalopram), 224
- Librium (chlordiazepoxide), 237
- Limbic leucotomy, 281
- Limbic system, 7
 - changes in schizophrenia, 105
 - child development and, 30
 - nondeclarative memory and, 23
 - serotonin and, 18
- Lisdexamfetamine (Vyvanse), 259
- Lithium
 - for bipolar disorder, 116–117
 - for body dysmorphic disorder, 125–126
 - ECT interaction with, 279, 282–283
 - general information, 211–212
 - intoxication from, 212
 - introduction (1938), 378
 - pharmacokinetics of, 212, 264
 - polyuria/polydipsia induced by, 212–213
 - pregnancy safety of, 213–214
 - side effects (in mental status), 213
- Locked-in syndrome, 307
- Locus coeruleus, norepinephrine activation, 2, 120, 122–123
- Lorazepam (Ativan), 237, 242–243, 245
- Lorenz, Konrad, 31
- Loxapine (Loxitane), 201–202
- LSD (lysergic acid diethylamide), 82, 91, 93–94, 95
- Ludiomil (maprotiline), 226–227
- Lumbo-sacral radiculoplexopathy, from encephalitis, 292–293
- Lunesta (eszopiclone), 240
- Luvox/Luvox CR (fluvoxamine), 225
- Lyme disease, 294
- Lymphoma (central nervous system), 292
- Machado-Joseph disease, 26, 290
- Mahler, Margaret, 32, 34
- Major depressive disorder, 83, 85–86
 - epidemiology of, 114
 - OCD and, 121
- Mal de ojo (culture bound syndrome), 379
- Malan, David, 195
- Malignant Hyperthermia Association of the United States (MHAUS), 268–269
- Malingering
 - assessment of, 159
 - differential diagnoses, 159
 - psychiatric management, 159–160

- Malinowski, Bronislaw, 375
- Malpractice cases, standards of care in, 369
- Mammillary body, 7, 73
- Mania. *See also* bipolar disorders; erotomania; nymphomania
 - brain imaging studies, 112
 - carbamazepine for, 209–210
 - described, 114
 - ECT for, 277, 281–282
 - lamotrigine for, 211
 - psychodynamic factors, 116
 - right frontal lobe lesions and, 309
 - treatment for, 117
 - valproate for, 214–215
- Maprotiline (Ludiomil), 226–227
 - ECT interaction with, 279, 282–283
- Marijuana, 83
 - depersonalization from, 133
- Marplan (isocarboxazid), 226
- Masochism and sadism, 141
- Mead, Margaret, 375
- Melatonin, 15, 151–152
- Mellaril (thioridazine), 206, 266
- Memantine (Namenda), 16, 254–255
- Memory. *See also* Alzheimer's disease; amnesia; dementia; dissociative disorders; executive function
 - abreaction process, 36
 - declarative, 22
 - ECT and loss of, 276
 - formation and storage, 22–23
 - infantile amnesia, 31
 - long-term vs. short-term, 24
 - nondeclarative, 23
 - postconcussion impairment, 315
 - priming (implicit/non-declarative memory), 45
 - recovered memory syndrome, 133
 - short vs. long-term, 24
 - working, 24
- Meningiomas, 313, 314
- Meningitis
 - causes, 294–295
 - headaches with, 321
 - HIV-related, 294
 - subacute/chronic, 295
- Meningocele/meningomyelocele, 331
- Menninger, Karl, 359
- Meridia (sibutramine), 261
- Mescaline, 93–94
- Mesocortical dopamine pathway (reward system), 9, 13
- Mesolimbic dopamine pathway (reward system), 9, 13
- Meta-analysis (statistic method), 67
- Metabolic encephalopathies, 26
- Methadone (Dolophine, Methadose), 250–251, 262
- Methamphetamines, 91, 95, 259–260
- Methylenedioxymethamphetamine (MDMA), 82, 91, 93–94, 95–96
- Methylphenidate (Concerta, Daytrana, Metadate, Ritalin), 125–126, 260
 - for body dysmorphic disorder, 125–126
- Meyer, Adolf, 108
- Meynert, Theodor, 10
- Miconazole, 263–264
- Micro-/macrocephaly, 86
- Middle cerebral artery stroke, 308
- Migraine headaches
 - with aura, 321
 - from cocaine, 91–92
 - hemiplegic, 321
 - pathophysiology of, 322
 - status migrainous, 322
 - treatment, 322
 - without aura, 322
- Millon, Theodore, 61
- Millon Clinical Multiaxial Inventory (MCMI), 61
- Mindfulness, 191, 192
- Mini-International Neuropsychiatric Interview (MINI), 61
- Minnesota Multiphasic Personality Inventory (MMPI), 61
- Minor depressive disorder, 112
- Minuchin, Salvador, 191, 193
- Mirtazapine (Remeron/Remeron SolTab), 11, 227, 270
- Mitochondrial respiratory chain diseases, 347
- Moban (molindone), 202
- Modafinil (Provigil)
 - for narcolepsy, 152
 - for NREM sleep, 152
- Molindone (Moban), 202
- Moniz, Egas, 280–281
- Monoamine oxidase inhibitors (MAOIs), 15
 - adverse effects, 270–271 (*See also* serotonin syndrome)
 - for body dysmorphic disorder, 125–126
 - for depression, 111, 116–117
 - ECT interaction with, 279
 - and over the counter medications, 264
 - for panic disorder, 122
 - and serotonin elevating agents, 264–265
 - sexual dysfunction from, 141
- Mood disorders, 21
 - bipolar disorders (*See* bipolar disorders)
 - brain imaging studies in, 112
 - from cocaine use, 92
 - comorbidities in, 112
 - depression (*See* depression)
 - DSM IV-TR categories, 110
 - dysthymic disorder, 113
 - mania (*See* mania)
 - norepinephrine in, 115
 - postpartum blues, 115
 - postpartum depression, 115
 - pseudodementia, 115
 - serotonin in, 116
 - Veraguth's fold, 118

458 Index

- Mood stabilizing medications. *See* carbamazepine; lamotrigine; lithium; oxcarbazepine; topiramate; valproic acid
- Moral development concept (Kohlberg), 43
- Morphine, 96, 262, 263
- Movement disorders
 - athetosis, pathology of, 333
 - botulinum toxin, 334
 - clinical features, 338
 - diagnosis, 338
 - dystonia, 333
 - dopa-responsive, 334
 - early onset primary, 334
 - extrapyramidal system, 334
 - hemiballismus, 335
 - Huntington's disease, 335
 - Parkinson's disease
 - dementia with Lewy body vs., 75–76, 334
 - etiology, 335–336
 - pathology, 336
 - symptoms, 336
 - treatment, 336
 - pathophysiology, 338
 - pyramidal system, 336
 - Sydenham's chorea, 336–337
 - treatment, 338
 - trinucleotide repeats, illness with expansion of, 335
 - with vs. without dementia, 335
- Wilson's disease, 338
- Multiaxial system (Axis I–V), 56. *See also* global assessment of functioning (GAF); global assessment of relational functioning (GARF)
- Multimodal Treatment Study of children with ADHD (MTA), 179
- Münchausen, Karl, 160
- Munchausen syndrome, 160
- Myasthenia gravis
 - clinical symptoms, 347
 - diagnosis, 347
 - treatment, 347
- Myelination and demyelination, 24–25
- Myocardial infarctions, from cocaine, 91–92
- Myotonic dystrophy, 26, 290, 348
- N-methyl-D-aspartate (NMDA). *See* glutamate
- Naloxone (Narcan), 251
- Naltrexone [ReVia (PO), Vivitrol (IM)]
 - for pedophilia, 139
 - for substance-related disorders, 251–252
- Namenda (memantine), 254–255
- Narcissistic personality disorder, 164
 - ICD-10 vs. *DSM-IV-TR*, 166
- Narcolepsy, 151
- Nardil (phenelzine), 229–230
- Nasal effects, from cocaine, 91–92
- National Alliance for the Mentally Ill (NAMI), 379
- National Institute of Mental Health Epidemiologic Catchment Area Survey (NIMH-ECA), 380
- Navane (thiothixene), 207
- Necrophilia, 138–139
- Necrosis vs. apoptosis, 19
- Nefazodone (Serzone), 228, 270
- Negative predictive value (NPV), 68
- Nelfinavir, 262
- Neologism, 51
- Nervous system infections
 - AIDs related
 - CNS lymphoma, 292
 - complications presentation, 293
 - cryptococcus, 292
 - cytomegalovirus (CMV), 292–293
 - toxoplasmosis, 296
 - cerebrospinal fluid (CSF)
 - appearance/related pathology, 293
 - WBC counts, 293
 - herpes zoster, 293
 - HIV-related
 - dementia, 293–294
 - meningitis, 294
 - serum test, 294
 - Lyme disease, 294
 - meningitis
 - causes, 294–295
 - subacute/chronic, 295
 - neurosyphilis
 - clinical features, 295
 - serum tests, 295
 - progressive multifocal leukoencephalopathy, 293, 295–296
 - syphilis/stages of infection, 296
 - West Nile virus, 296
- Neurochemistry. *See also* neurotransmitters
 - acetylcholine
 - muscarinic vs. receptors of, 16
 - synthesis/metabolism, 10
 - adrenergic alpha-1 antagonism (clinical effects), 10
 - adrenergic alpha-2 receptor, 10–11
 - biogenic amine neurotransmitters, 11
 - direct-coupled ion channels, 11–12
 - dopamine
 - nuclei (localization), 12
 - receptors, 12
 - synthesis, 12
 - tracts/physiological function, 13
 - G-protein coupled receptors, 14
 - gamma-aminobutyric acid
 - receptors, 13
 - synthesis, 13
 - glycine (*See* glycine)
 - histamine blockade (clinical effects), 14
 - melatonin, 15, 151–152
 - monoamine oxidase (MAO), 15
 - NMDA receptor, 16
 - norepinephrine synthesis, 16

- opioid regulation (of reward system), 17
- serotonin, 18
- Neuroleptic malignant syndrome (NMS), 198, 200, 201, 202, 204, 206, 271
- Neuroleptics
 - melatonin and, 152
 - in schizophrenia, 101
- Neurological complications, from cocaine, 91–92
- Neuromuscular disorders
 - amyotrophic lateral sclerosis (ALS), 343–344
 - Becker's dystrophy, 344
 - botulism, 344
 - carpal tunnel syndrome
 - clinical features, 344
 - pathophysiology/treatment, 345
 - Duchenne's muscular dystrophy, 346
 - Eaton-Lambert syndrome, 346
 - femoral nerve injury, 346
 - general weakness, causes, 345
 - Guillain-Barré syndrome, 293, 346–347
 - mitochondrial respiratory chain diseases, 347
- myasthenia gravis
 - clinical symptoms, 347
 - diagnosis, 347
 - treatment, 347
- myopathy vs. neuropathy, 348
- myotonic dystrophy, 348
- radial nerve injury, 349
- sciatica, 349
- tetanus, 349
- ulnar nerve injury, 349
- Neuromuscular synapses, 25
- Neuronal heterotopia, 25
- Neurophysiology
 - action potential (mechanism), 22
 - apoptosis vs. necrosis, 19
 - arousal and wakefulness
 - anatomy, 19
 - electrophysiology, 20
 - evoked potential (EP), 20–21
 - excitotoxicity, 21
 - HPA and mental disorders, 21
 - memory
 - declarative, 22
 - formation and storage, 22–23
 - nondeclarative, 23
 - short vs. long-term, 24
 - working, 24
 - myelination/demyelination, 24–25
 - neuromuscular synapses, 25
 - neuronal migration, 25
 - neuronal pruning and reinforcement, 25
 - primitive reflex circuit, 25
 - resting potential, 25
 - synaptogenesis (critical times), 26
 - triphasic waves, 26
 - triplet (trinucleotide) repeat expansion, 26
- Neurosis, 51, 380
- Neurosyphilis
 - cerebrospinal fluid and, 293
 - clinical features, 295
 - serum tests, 295
- Neurotransmitters
 - excitatory, 15
 - inhibitory, 13, 15 (*See also* gamma-aminobutyric acid; glycine)
 - synthesis of, 11
- Neutropenia, from antipsychotics, 270
- Nevirapine, 262
- Nicot, Jean, 96
- Nicotine/nicotinic acetylcholine receptors, 16, 82, 83, 86, 96
- Nicotinic cholinergic, 11–12
- Nifedipine, 270
- Nihilism, 52
- NMDA glutamate receptor, 16, 25
- Nocturnal enuresis, 172
- Non-fluent aphasia, 341
- Non-rapid eye movement (NREM) sleep, 152
- Nondeclarative memory, 23
- Norepinephrine (NE), 10
 - in mood disorders, 115, 228
 - PTSD and, 122–123
 - reuptake blocking by cocaine, 82
 - synthesis of, 16
- Normal pressure hydrocephalus (NPH), 78
- Norpramin (desipramine), 221
- Nortriptyline (Aventyl/Pamelor)
 - for children and adolescents, 171
 - general information, 228–229
- Novelty seeking behavior, 166
- NREM sleep. *See non-rapid eye movement (NREM) sleep*
- Nucleus accumbens, 8, 9
- Null hypothesis (H_0), 67
 - associated errors, 67
 - chi-square test and, 65
- Nymphomania, 52
- Nystagmus, 88, 93
- Obesity hypoventilation syndrome (Pickwickian syndrome), 147
- Object constancy (in child development), 32
- Object permanence (infant development), 32
- Obsessive compulsive disorder (OCD), 164
 - epidemiology, 121
 - ICD-10 vs. *DSM-IV-TR*, 166
 - treatment, 121
 - vs. obsessive compulsive personality disorder, 167
- Obsessive compulsive personality disorder (OCPD), 167
- Oedipus complex, 33, 34, 42, 44
- Olanzapine (Zyprexa), 73, 202–203, 268, 271
- Olney, John, 21
- Operant (instrumental) conditioning, 44

460 **Index**

- Ophthalmoplegia, 88
- Opioids, 82
 - dependence (etiology), 97
 - intoxication and withdrawal, 97–98, 99
 - pregnancy and, 97, 98
 - pupillary constriction/dilation from, 93
 - receptors, 98
 - regulation of reward system, 17
 - for restless leg syndrome, 154
- Oral contraceptive pills, 262–263
- Oral stage (of child development), 34
- Orap (pimozide), 204, 266
- Orbitofrontal cortex, 7, 8
 - declarative memory and, 22
- Orgasmic disorder, 138
 - in females, 136
 - in males, 138
- Oxazepam (Serax), 237, 243, 245
- Oxcarbazepine, 117
 - general information, 213
 - pregnancy safety of, 213–214
- Oxymetazoline (Afrin), 264
- P-value (biostatistics), 68
- Paliperidone (Invega), 203, 268, 271, 272
- Palsy, bulbar vs. pseudobulbar, 305
- Pamelor (nortriptyline), 171, 228–229
- Parahippocampal gyrus
 - declarative memory and, 22
 - schizophrenia and, 105
- Paramnesia, 52
- Paranoia/paranoid personality disorder, 105, 164, 167
- Paraphasias, 342
- Paraphilia NOS, 138–139. *See also* masochism and sadism
 - epilepsy and, 301
 - gender identity disorder vs., 137
 - hypoxyphilia and, 138
- Paraphrenia, 106
- Parasomnias, 153
- Parental role modeling, 31
- Parkinson's disease, 75, 153, 267, 268
 - dementia with Lewy body vs., 75–76, 334
 - etiology, 335–336
 - pathology, 336
 - symptoms, 336
 - treatment, 336
- Parnate (tranylcypromine), 232
- Paroxetine (Paxil/Paxil CR/Paxeva), 269–270
 - adverse effects, 270
 - for children and adolescents, 171
 - general information, 229
- Partialism, 138–139
- Passive aggression, 52
- Pavlov, Ivan, 37–38
- Paxipam (halazepam), 237
- Pedophilia, 139
- Peduncular hallucinosis, 52
- Penis envy, 33, 34, 44
- Peptide neurotransmitters, 11
- Perceptual cortex, nondeclarative memory and, 23
- Pergolide (Permax), 154
- Perinatal anoxia, 106
- Perphenazine (Trilafon), 203–204
- Perseveration, 52, 59, 63
- Persistent perception disorder (flashbacks), 94
- Personality disorders
 - antisocial personality disorder, 162
 - treatment for, 162
 - avoidant personality disorder, 162
 - dependent vs., 164–165
 - borderline personality disorder, 34, 163
 - alternative terminology, 163
 - treatment for, 163–164
 - cluster A type, 164
 - defense mechanisms for, 164
 - dependent personality disorder, 164
 - DSM-IV-TR* categories, 161–162
 - due to medical condition, 168
 - epidemiology of, 165
 - family history of, 165
 - harm avoidance, 165
 - histrionic personality disorder, 165–166
 - novelty seeking, 166
 - obsession vs. compulsion, 166
 - OCD vs. OCPD, 167
 - paranoid personality disorder, 167
 - persistence, 167–168
 - quality of life (QOL) associations, 168
 - reward dependence, 168
 - schizoid personality disorder, 168
 - schizotypal personality disorder, 169
 - twin studies, 169
- Peyote, 93–94
- Phallic stage (child development), 33, 34
- Pharmacokinetic interactions. *See also* adverse effects, evaluation and treatment for
 - antiretroviral agents, 262
 - carbamazepine, 262–263
 - cocaine, 263
 - CYP450 interactions, by atypical antipsychotics, 263
 - hepatic metabolism
 - common inducers, 263
 - common inhibitors, 263–264
 - lamotrigine, 264
 - lithium, 264
 - MAOIs
 - and over the counter medications, 264
 - and serotonin elevating agents, 264–265
 - phosphodiesterase type 5 inhibitors, 265
 - pimozide, 263
 - psychotropic drugs, protein binding characters, 265–266
 - sertraline, 263

- valproic acid, 266
- ziprasidone, 266
- Phencyclidine (PCP)**
 - intoxication
 - signs/symptoms, 98–99
 - treatment, 99
 - receptor mechanism, 99
- Phenelzine (Nardil),** 229–230
- Phenobarbital,** 263, 266
- Phentermine (Adipex-P),** 260–261
- Phentolamine (central alpha blocker),** 270
- Phenylephrine (Sudafed PE, Neo-Synephrine),** 264
- Phenylketonuria,** 288
- Phenytoin,** 263, 266, 298
- Phobic disorders,** 83
- Phonological disorder,** 177
- Phosphodiesterase type 5 inhibitors,** 265
- Phosphodiesterase type 5 (PE5) inhibitors,** 139–140
- Physostigmine (Antilirium),** 75, 268
- Piaget, Jean,** 27
 - adolescence stage (theory), 27
 - on child development
 - concrete operational stage, 29
 - developmental stages, 31
 - egocentrism stage, 30
 - object permanence, 32
 - preoperational stage, 33
 - preschool years, 29
 - sensorimotor stage, 34
- Piblokto (culture bound syndrome),** 380
- Pica,** 177
- Pick, Arnold,** 78–79
- Pick's disease,** 78–79
- Pickwickian syndrome (obesity hypoventilation syndrome),** 147
- Pimozide (Orap),** 204, 263, 266
 - for body dysmorphic disorder, 125–126
 - for Tourette's disorder, 179–180
- Pineal gland, melatonin secretion,** 15
- Pituitary adenoma,** 314
- Pleasure and reality principles,** 44
- “Policeman-at-the-elbow law,” 366
- Polyuria/polydipsia, induction by lithium,** 212–213
- Positive and Negative Syndrome Scale (PANSS),** 62
- Positive connotation (reframing),** 193
- Positive predictive value (PPV)/negative predictive value (NPV),** 68
- Posterior cerebral artery stroke,** 308
- Posterior circulation TIAs,** 308
- Postnatal growth retardation,** 86
- Postpartum depression,** 115
- Postpartum psychosis,** 107
- Postpsychotic depressive disorder,** 112
- Posttraumatic stress disorder (PTSD),** 21, 36
 - biological changes, 122–123
 - clinical features, 123
 - comorbidities, 123
 - EMDR for, 123
- pharmacotherapeutic treatment,** 123
- psychotherapies for,** 123
 - stages, 123
- Prader, Andrea,** 289
- Prader-Willi syndrome,** 286, 289
- Pramipexole (Mirapex),** 153, 154
- Prazepam (Centrex),** 237
- Precox feeling,** 52
- Preeclampsia, maternal,** 106
- Prefrontal cortex,** 8, 106
- Pregnancy**
 - cocaine-use during, 92
 - ECT during, 280
 - opioid use during, 97, 98
 - safety of mood stabilizers, 213–214
- Prelinguistic memory,** 23
- Premack, David,** 45
- Premenstrual dysphoric disorder,** 112
- Presynaptic alpha2-adrenergic agonists,** 154
- Prevalence vs. incidence (biostatic),** 68
- Primary sensory cortex,** 8
- Pristiq (desvenlafaxine),** 222
- Prochlorperazine (Compazine),** 204–205
- Progressive multifocal leukoencephalopathy (PML),** 293, 295–296
- Propranolol (Inderal, Inderal LA, InnoPran XL),** 122, 263–264
 - adverse effects, 271–272
 - for phobias, 122
- ProSom (estazolam),** 237, 240
- Protriptyline (Vivactil),** 230
- Provigil (modafinil),** 152
- Prozac (fluoxetine),** 144–145, 171, 224–225, 264
- Pseudocholinesterase deficiency,** 280
- Pseudodementia,** 77–78, 115
- Pseudoephedrine (Sudafed),** 264
- Pseudotumor cerebri**
 - clinical features, 314
 - diagnosis, 315
 - headaches and, 323
 - risk factors, 315
 - treatment, 315
- Psilocybin,** 93–94
- Psychiatric diagnosis, validity determination,** 56
- Psychic determinism,** 45
- Psychoanalytical psychotherapy,** 192
- Psychodynamic psychotherapy**
 - brief focal, 190
 - for eating disorders, 147–148
 - for PTSD, 123
 - termination of, 194
 - triangle of insight (component), 195
- Psychometric tools**
 - abnormal involuntary movement scale (side effect assessment), 58
 - Beck Depression Inventory (BDI),** 58
 - Bender gestalt test, 58–59
 - brief psychotic rating scale (BPRS), 59
 - clinical global improvement scale (CGI), 59

462 **Index**

- Psychometric tools (*Cont.*)
 - construct validity, 60
 - defensive functioning scale (DFS), 59
 - Draw-A-Person test, 59–60
 - global assessment of functioning (GAF), 60
 - global assessment of relational functioning (GARF), 60
 - Halstead-Reitan neuropsychological battery, 60
 - Hamilton Rating Scale for Depression (HAM-D), 61
 - Millon Clinical Multiaxial Inventory (MCMI), 61
 - Mini-International Neuropsychiatric Interview (MINI), 61
 - Minnesota Multiphasic Personality Inventory (MMPI), 61
 - Positive and Negative Syndrome Scale (PANSS), 62
 - reliability vs. validity, 62
 - Rorschach Test, 62
 - Social and Occupational Functioning Assessment Scale (SOFAS), 62
 - Structured Clinical Interview for the DSM-IV (SCID), 62
 - Thematic Apperception Test (TAT), 62
 - Wada test, 63
 - Wechsler Intelligence Scales, 63
 - Wisconsin Card Sorting test, 63
 - Word-Association, 63
 - Yale-Brown Obsessive-Compulsive Scale (Y-BOCS), 64
 - Zung Self-Rating Depression Scale, 64
- Psychosis
 - from cocaine use, 92
 - from hallucinogens, 94
- Psychosocial theories
 - abreaction, 36
 - anal fixation, 36
 - attribution theory, 37
 - bonding vs. attachment, 37
 - classical conditioning
 - discrimination, 37
 - extinction, 37–38
 - generalization, 38
 - cognitive dissonance, 38
 - countertransference, 38
 - defense mechanisms, 38–41
 - double bind, 41
 - downward drift hypothesis, 41
 - dreams
 - methods of disguise (Freud), 42
 - psychoanalytic interpretation, 41–42
 - ego psychology, 42
 - learned helplessness, 43
 - learning, in negative reinforcement, 43
 - moral development (Kohlberg), 43
 - Oedipus complex, 33, 34, 42, 44
 - operant (instrumental) conditioning, 44
 - personality development (in self psychology), 44
 - pleasure/reality principles, 44
- Premack's principle, 45
- primary vs. secondary process, 45
- priming, 45
- psychic determinism, 45
- sensory deprivation, 45
- strange situation, 46
- therapist monkey (behavior phenomenon), 46
- transference, 46
- type A and B personalities, 46
- Psychosocial therapies, 117
 - biofeedback, 189
 - brief psychotherapy, 190, 195
 - cognitive behavior therapy (*See* cognitive behavior therapy)
 - confrontation, 190
 - death, reaction to approach, 192
 - dialectical behavior therapy, 163, 190–191
 - enmeshment vs. disengagement, 191
 - free association, 191
 - interpersonal psychotherapy, 192
 - mindfulness, 192
 - psychiatric interview
 - functions of, 192
 - techniques used, 194
 - psychoanalytical psychotherapy, 192
 - psychodynamic psychotherapy, termination of, 194
 - reframing (positive connotation), 193
 - reparative therapy, 193
 - resistance, 193
 - short-term dynamic psychotherapy, 190
 - structural family therapy, 193
 - supportive psychotherapy, 193–194
 - systematic desensitization, 194
 - therapeutic neutrality, 194
 - transference and countertransference, 194
 - triangle of insight, 195
 - triangulation, 195
- Psychosomatic disorders
 - acute intermittent porphyria, 181
 - adrenal insufficiency
 - clinical features, 181–182
 - etiology, 182
 - treatment, 182
 - agents causing QT/QTc prolongation, 182
 - anxiety-related medical conditions, 187
 - autoimmune diseases, 183
 - celiac disease and psychosis, 183
 - central pontine myelinolysis, 183
 - Creutzfeldt-Jakob disease, 184
 - in *DSM-IV-TR*, 181
 - folate deficiency, 184
 - functional pituitary adenoma, 184–185
 - hemodialysis/psychiatric conditions and treatment, 185
 - HIV/AIDS
 - epidemiology, 185
 - related psychiatric conditions, 185
 - hyperglycemia, 186

- hyperparathyroidism and depression, 185–186
- hyperventilation syndrome, 186
- interferon treatment and mental disorders, 186
- Lyme disease, 186–187
- multiple sclerosis, 187
- peptic ulcer disorder, 187
- psoriasis, 188
- pulmonary condition and mental disorders, 188
- thyroid function tests, 188
- Psychosurgery**
 - efficacy/adverse effects, 280
 - history/trends, 280–281
 - indications, 280
 - techniques, 281
- Psychotic disorders**
 - brief psychotic disorder, 101
 - delusional disorder, 101–102
 - dementia precox, 102
 - DSM IV-TR categories, 100
 - postpartum psychosis, 107
 - psychoanalytical treatment for, 108
 - schizophrenia (*See schizophrenia*)
- Psychotropic drugs.** *See individual drugs*
- Puberty development**
 - in boys, 33
 - in girls, 33–34
- Pupillary constriction, 93**
- Putamen, 8**
- Pyridoxine (vitamin B6), 13**
- Quazepam (Doral), 237**
- Quetiapine, 75, 205, 268, 271, 272**
- Quinidine, 263**
- Rabbit syndrome, 272**
- Radial nerve injury, 349**
- Ramelteon (Rozerem), 243–244**
- Rape**
 - date rape, 351
 - epidemiology of, 354
 - of men, 353
 - statistics
 - of rapists, 354
 - of victims, 354
 - statutory rape, 369
 - victim's psychological trip, 354
 - of women, 353
- Rapid eye movement (REM) sleep, 152**
- Rapprochement (reconciliation)stage (of child development), 34**
- Razadyne/Razadyne ER (galantamine), 254**
- Reactive attachment disorder (infancy/early childhood), 178**
- Reading disorder, 178**
- Reality principle, 44**
- Recurrent brief depressive disorder, 112**
- Reframing (positive connotation), 193**
- Regents of the University of California, Tarasoff v., 369**
- Regression (biostatic), 68**
- Regression analysis method, choice determination, 65–66**
- Reitan, Ralph M., 60**
- Relative risk vs. odds ratio (biostatic), 68**
- Reliability (biostatic), 69**
- REM sleep. *See* rapid eye movement (REM) sleep**
- Remeron/Remeron SolTab (mirtazapine), 11, 227**
- Remission courses, of substance dependence, 83**
- Reparative therapy, 193**
- Repetitive transmagnetic stimulation (rTMS), 283**
- Resistance, 193**
- Resting potential, 25**
- Restless leg syndrome, 151, 153, 154**
 - pharmacologic treatment, 154
 - workup for, 154–155
- Restoril (temazepam), 237, 244, 245**
- Reticular activating system, 8–9**
 - ascending, 19
- Retinitis, from encephalitis, 292–293**
- Rett's disorder, 178**
- Revatio (sildenafil), 265**
- Reward dependence, 168**
- Reward system, 9**
- Risperidone, 73, 205–206**
 - adverse effects, 268, 271, 272
 - for children and adolescents, 171
 - paliperidone vs., 203
- Ritalin (methylphenidate), 125–126, 260**
- Ritonavir, 262, 263**
- Rivastigmine (Exelon, Exelon Patch), 255**
- Robins, Eli, 56**
- Robitussin (guaifenesin), 264**
- Rolandic fissure, 7**
- Romazicon (flumazenil), 250**
- Ropinirole hydrochloride (Requip), 154, 155–156**
- Rorschach, Hermann, 62**
- Rosenman, Ray, 46**
- Rozerem (ramelteon), 243–244**
- Rumination disorder, 178**
- Sadism (and masochism), 141**
- Saquinavir, 262**
- Sarno, John, 330**
- Scatologia, telephone, 138–139**
- Schizoid personality disorder, 168**
- Schizophrenia, 21, 25, 164. *See also* brief psychotic disorder**
 - in adolescents, 171
 - attentional deficits in, 105
 - brain volume increase, 101
 - brain volume reduction, 101
 - developmental risks, 106
 - diagnostic criteria, 102
 - dopamine and
 - hypothesis, 102
 - type 2 receptors, 103
 - double bind syndrome and, 41
 - downward drift hypothesis and, 41

464 **Index**

- Schizophrenia (*Cont.*)
 - epidemiology of, 103
 - evoked potentials
 - P50, 103
 - P300, 103
 - expressed emotions, 103
 - in females, 108
 - first-rank symptoms, 103–104
 - formulations of
 - Freud, 104
 - Mahler, 105
 - GABA in pathophysiology of, 104
 - gender identity disorder vs., 137
 - genetics of, 104
 - glycine treatment for, 104
 - late-onset schizophrenia, 105
 - limbic system changes in, 105
 - negative symptoms, 105
 - neuronal density reduction in, 106
 - paraphrenia, 106
 - positive symptoms, 106–107
 - prognosis of
 - good indicators, 107
 - poor indicators, 107–108
 - statistics, 108
 - smooth pursuit eye movements in, 108
 - socio-cultural factors in, 109
- Schizophreniform disorder, 108
- Schizotypal personality disorder, 169
- Schneider, Kurt, 103–104
- Schwann, Theodor, 24–25
- Sciatica, 349
- Seckel, Helmut, 289–290
- Seckel syndrome, 289–290
- Secondary headaches, neuroimaging for, 323
- Secure attachment (of children), 27–28
- Seizure disorders
 - antiepileptic drugs
 - carbamazepine, 299
 - causing renal stones, 298
 - causing teratogenic defect, 298
 - increasing seizure risks, 298
 - inducing hepatic metabolism of oral contraceptives, 298
 - not blocking Na⁺ channel, 298
 - pregabalin for, 301–302
 - epilepsy, 25
 - absence seizures, 298, 299
 - child-onset (*See* Lennox-Gastaut syndrome)
 - drugs (first-line) for, 299, 301
 - epidemiology of, 299
 - eye deviation, direction of, 299
 - frontal lobe partial seizures, 299
 - grand mal seizures, 300
 - interictal mood symptoms, 300
 - interictal psychotic symptoms, 300
 - occipital lobe partial seizures, 301
 - parietal lobe partial seizures, 301
 - partial seizures vs. panic attacks, 301
- personality changes from, 301
- postictal prolactin levels, 301
- pregnancy and, 299
- suicide and, 302
- surgical treatment for suicide and, 303
- temporal lobe focal seizures, 303
- Lennox-Gastaut syndrome, 300
- Selective mutism, 178
- Selective norepinephrine reuptake inhibitors (SNRIs), 116–117
 - melatonin and, 152
- Selective serotonin reuptake inhibitors (SSRIs), 116–117, 263. *See also* fluoxetine; sertraline; tricyclic antidepressants
 - adverse effects, 270
 - for body dysmorphic disorder, 125–126
 - for borderline personality disorder, 163–164
 - for children and adolescents, 171
 - for depersonalization, 133
 - for generalized anxiety disorder, 120
 - melatonin and, 152
 - for obsessive compulsive disorder, 121
 - for panic disorder, 122
 - for pedophilia, 139
 - for phobias, 122
 - for PTSD, 123
 - sexual dysfunction from, 141
- Selegiline (transdermal), 230–231
- Self psychology (Kohut), 44
- Seligman, Martin, 43
- Sensitivity vs. specificity (biostatic), 69
- Sensory deprivation (Hebb), 45
- Separation anxiety disorder, 178
- Separation-individuation stages (of child development), 34
- Serax (oxazepam), 237, 243, 245
- Serotonin, 10, 11. *See also* selective serotonin reuptake inhibitors (SSRIs)
 - in mood disorders, 116
 - nuclei (localization), 18
 - receptors with clinical relevance, 18
 - distribution of, 18
 - reuptake blocking by cocaine, 82
 - synthesis of, 18
- Serotonin syndrome, 273
- Sertraline (Zoloft), 263
 - for children and adolescents, 171
 - general information, 231
- Serzone (nefazodone), 228, 270
- Sexual and gender identity disorders
 - DSM IV-TR categories, 100
 - dysfunction
 - from antidepressants, 141
 - from cocaine use, 92
 - dyspareunia, 136
 - exhibitionism, 136
 - females
 - arousal disorder, 136
 - orgasmic disorder, 136

- fetishism, 136
- frotteurism, 136
- gender identity disorder
 - differential diagnosis, 137
 - general information, 136–137
- hypoactive sexual desire disorder, 137
- hypoxyphilia, 138
- males
 - erectile disorder, 138
 - orgasmic disorder, 138
- masochism and sadism, 141
- paraphilia NOS, 138–139
- pedophilia, 139
- phases of sexual response, 139
- phosphodiesterase type 5 inhibitors, 139–140
- premature ejaculation, 140
- sexual arousal disorder
 - medical evaluation, 140
 - psychiatric evaluation for, 141
 - treatment, 140
- sexual aversion disorder, 141
- transvestic fetishism, 141
- vaginismus, 141
- voyeurism, 142
- Yohimbine, 142
- Sexual harassment*, 362
- Sexual reorientation therapy (reparative therapy)*, 193
- Shaken baby syndrome, 315
- Shared Psychotic Disorder (Folie à deux)*, 50
- Shen-k'uei/shenkui (culture bound syndrome), 381
- Shenjing shuairuo/neurasthenia (culture bound syndrome), 381
- Short-term (primary) memory, 24
- SIADH. *See* syndrome of inappropriate secretion of antidiuretic hormone
- Sibutramine (Meridia), 261
- Side effects of medication. *See* adverse effects, evaluation and treatment for
- Sildenafil (Viagra), 139–140, 265
- Silphen DM (dextromethorphan), 264
- Sinequan (doxepin), 222–223
- Sleep apnea, 151
- Sleep disorders. *See also* Angelman's syndrome
 - brain wave measurements
 - alpha waves, 150
 - delta waves, 151
 - theta waves, 156
 - from cocaine use, 92
 - daytime sleepiness, 151
 - depression in, 116, 151
 - dreams, 151
 - DSM-IV-TR* categories, 149
 - effects of alcohol, 150
 - melatonin, 151–152
 - modafinil (Provigil) for, 152
 - narcolepsy, 151, 152
 - NREM sleep, 152
 - orexins for, 153
 - parasomnias, 153
 - pramipexole (Mirapex) for, 153
 - REM sleep, 152
 - restless leg syndrome, 151, 153, 154
 - pharmacologic treatment, 154
 - workup for, 154–155
 - ropinirole, 155–156
 - sleep spindles and K-complexes, 156
 - Smooth pursuit eye movements, in schizophrenia, 108
 - Social and Occupational Functioning Assessment Scale (SOFAS)*, 62
 - Social development model (Erikson)*, 30
 - Somatization disorder*
 - diagnosis, 129
 - malingering vs., 159
 - principles of treatment, 129–130
 - psychopharmacological treatment, 129
 - psychotherapy for, 129
 - vs. hypochondriasis, 129
 - Somatoform disorders*
 - body dysmorphic disorder, 125–126
 - Briquet's syndrome, 126
 - conversion disorder, 126, 159
 - DSM IV-TR* categories, 125
 - hypochondriasis
 - course/prognosis, 126–127
 - diagnosis, 127
 - epidemiology, 127
 - etiology (theories), 127–128
 - vs. somatization disorder, 129
 - Obsession de la honte du corps*, 128
 - pain disorders, 128
 - pseudocyesis, 128
 - pseudoseizure, 128
 - somatization disorder (*See* somatization disorder)
 - Sonata (zaleplon)*, 245–246
 - Spastic cerebral palsy*, 287
 - Spinal cord anatomy (and related conditions)*
 - Brown-Séquard syndrome, 326
 - cauda equina syndrome, 326
 - cerebrospinal fluid/glucose level, 326
 - cervical radiculopathy, 328
 - combined system disease, 328–329
 - dermatomes, 329
 - lateral spinothalamic tracts, 329–330
 - lower back pain, 330
 - meningocele/meningomyelocele, 331
 - posterior columns, 331
 - spinocerebellar ataxias (SCAs), 331
 - spinocerebellar tracts, 331
 - syringomyelia, 331
 - tabes dorsalis, 332
 - upper motor vs. lower motor neuron damages, 332
 - Wallerian degeneration, 332
 - Spinobulbar muscular dystrophy*, 26, 290

466 **Index**

- Spinocerebellar ataxia type 1, 26, 290
- Spinocerebellar ataxias (SCAs), 331
- Spinocerebellar tracts, 331
- Spironolactone, 264
- Stalking, 363
- Standard deviation (SD), 69
- Status epilepticus, 84–85
- Statutory rape, 369
- Stelazine (trifluoperazine), 207
- Stereotypic movement disorder, 179
- Stevens-Johnson syndrome, 210, 299
- Stimulants
 - amphetamines, 82, 91, 95, 256–257
 - atomoxetine, 257
 - benzphetamine, 257–258
 - dextroamphetamine, 258
 - lisdexamfetamine, 259
 - methamphetamine, 91, 95, 259–260
 - methylphenidate, 260
 - phentermine, 260–261
 - sibutramine, 261
- Stranger anxiety stage (of child development), 35, 46
- Strattera (atomoxetine), 257
- Striatum, 9
- Strokes and transient ischemic attacks (TIAs), 21
 - anosognosia, 304
 - anterior cerebral artery stroke, 304
 - bulbar vs. pseudobulbar palsy, 305
 - carotid artery TIAs, 305
 - causes (of TIAs), 310
 - cerebellar hemorrhage, 305
 - cerebrovascular accidents, risk factors, 306
 - internuclear ophthalmoplegia, 306
 - intracranial hemorrhage, 306–307
 - locked-in syndrome, 307
 - middle cerebral artery stroke, 308
 - posterior cerebral artery stroke, 308
 - posterior circulation TIAs, 308
 - psychiatric conditions associated with, 309
 - subarachnoid hemorrhage, 309
 - tissue plasminogen activator, 310
 - transient global amnesia (TGA), 310
 - Wallenberg's syndrome, 311
- Structural family therapy, 193
- Structured Clinical Interview for the DSM-IV (SCID), 62
- Structured Interview of Reported Symptoms (SIRS), 159
- Sturge, William, 290
- Sturge-Weber syndrome, 290
- Stuttering, 179
- Subarachnoid hemorrhage, 309
- Subcaudate tractotomy, 281
- Subcortical arteriosclerotic encephalopathy.
 - See* Binswanger's disease
- Subdural hematomas, 316
- Suboxone (buprenorphine), 248–249
- Substance related disorders, 21. *See also* addictions, non-alcoholic substance related disorders
 - ADHD and, 177
 - atypical depression and, 111
 - bipolar disorder, rapid cycling and, 111
 - HPA axis and, 21
 - pharmacotherapy for
 - acamprosate, 247–248
 - buprenorphine, 248–249
 - clonidine, 154, 173–174, 179–180, 249
 - disulfiram, 249–250
 - flumazenil, 250
 - methadone, 250–251
 - naloxone, 251
 - naltrexone, 251–252
 - varenicline, 252
 - PTSD and, 123
- Substantia nigra, 9
- Subutex (buprenorphine), 248–249
- Succinylcholine, adverse effects during ECT, 279
- Sudafed (pseudoephedrine), 264
- Sudden death, from cocaine, 91–92
- Suicide. *See also* violent behavior
 - antipsychotics: oral vs. injections, 351
 - assessment of suicidal ideas, 355
 - biological factors, 356
 - biological therapeutics, 356
 - chronological risks, 357
 - completed/uncompleted, characteristics, 356
 - contracts for prevention of, 355
 - depression and, 352
 - Durkheim's theory, 357
 - emergency restraints, 352
 - epidemiology, 357
 - medical conditions increasing risk, 357
 - mental illness and, 356
 - National Strategy for Suicide Prevention, 358
 - parasuicide, 352–353
 - by physicians, 358
 - psychiatric evaluation for, 358
 - psychosocial protective factors, 358
 - psychosocial risk factors, 358
 - psychosocial theories, 359
 - psychotherapy, in emergency settings, 353
 - psychotic patients, interviews, 352
 - schizophrenic patient's risks, 355
- Sundowning, 79
- Suomi, Stephen, 46
- Supportive psychotherapy, 193–194
- Supportive therapy
 - for conversion disorder, 126
 - for depersonalization disorder, 132
 - for generalized anxiety disorder, 120
- Surmontil (trimipramine), 233
- Susto (culture bound syndrome), 381
- Sydenham, Thomas, 81, 336–337
- Sydenham's chorea, 336–337
- Sylvian fissure, 7

- Sylvius, Franciscus, 342
- Symmetrel (amantadine), 267
- Sympathetic nervous system (SNS), 2
- Synaptogenesis, critical times, 26
- Synesthesia, 52
- Syringomyelia, 331
- Tabes dorsalis, 332
- Tacrine (Cognex), 255
- Tadalafil (Cialis), 139–140, 265
- Taijin kyofusho (culture bound syndrome), 382
- Tangentiality/circumstantiality, 49
- Tarasoff v. Regents of the University of California*, 369
- Tardive dyskinesia
 - anatomy, 273–274
 - from antipsychotics, 73, 201, 202, 203, 204
 - epidemiology, 274
 - management, 274
 - onset, 274
 - pathology (hypothesized), 274
 - risk factors, 275
- Tay-sachs disease, 288
- Tegretol/Tegretol XR. *See* carbamazepine
- Temazepam (Restoril), 237, 244, 245
- Temporal arteritis, 323
- Tension headache, 323–324
- Testosterone regulating medicine, 139
- Tetanus, 349
- Thalamus, 7, 8
 - child development and, 30
 - density reduction in schizophrenia, 106
 - intralaminar nuclei, 19
- Thematic Apperception Test (TAT), 62
- Theophylline, 264, 282–283
- Therapist monkey (behavior phenomenon), 46
- Thiazide diuretics, 264
- Thioridazine (Mellaril), 206, 266
- Thiothixene (Navane), 207
- Thorazine (chlorpromazine), 266, 378
- Thoughts
 - blocking, 53
 - broadcasting/withdrawal, 53
- Tics, from cocaine, 91–92
- Tissue plasminogen activator (TPA), 310
- Tofranil/Tofranil PM (imipramine), 122, 225–226
- Tolbutamide, 266
- Tonic-clonic seizures, 84–85
- Topiramate
 - for bulimia nervosa, 144–145
 - general information, 214
- Tourette's disorder, 121, 173, 179–180, 204
- Toxic epidermal necrolysis, 210
- Toxoplasmosis infection, 293, 296
- Transcortical aphasia, 342
- Transcranial magnetic stimulation (TMS)/repetitive TMS (rTMS), 283
- Transference and countertransference, 194
- Transient global amnesia (TGA), 80, 93, 310
- Transient ischemic attacks (TIAs). *See* strokes and transient ischemic attacks (TIAs)
- Transient tic disorder, 180
- Transient visual hallucinations, 93
- Transvestic fetishism, 141
- Tranxene (clorazepate), 237
- Tranylcypromine (Parnate), 232
- Trazodone (Desyrel), 232–233
- Triangle of insight, 195
- Triangulation, 195
- Triazolam (Halcion), 237, 244
- Tricyclic antidepressants (TCAs), 263. *See also* amitriptyline; clomipramine; desipramine; doxepin; imipramine; nortriptyline; protriptyline
 - adverse effects, 270
 - for body dysmorphic disorder, 125–126
 - cardiac monitoring for, 220
 - for children and adolescents, 171
 - for panic disorder, 122
 - for PTSD, 123
 - secondary amine vs. tertiary amine, 233
- Trifluoperazine (Stelazine), 207
- Trigeminal nerve, 2
- Trigeminal neuralgia
 - clinical features, 324
 - pathology, 324–325
 - treatment, 325
- Trihexyphenidyl (Artane), 275
- Trilafon (perphenazine), 203–204
- Trileptal. *See* carbamazepine
- Trimipramine (Surmontil), 233
- Triphasic waves, 26
- Triplet (trinucleotide) repeat expansion, 26, 290
- Triptans for headaches, 325
- Trismus, 53
- Tryptophan, 18
- Turner, Henry, 291
- Turner's syndrome, 291
- Twin studies
 - personality disorders, 169
 - schizophrenia genetics and, 104
- Type A and B personalities, 46
- Ulnar nerve injury, 349
- Urophilia, 138–139
- Vaginismus, 141
- Vagus nerve stimulation, 284
- Validity (internal, external, construct), 70
- Validity of psychiatric diagnosis, 56
- Valium (diazepam), 237, 239–240
- Valproate, 262–264
 - for absence (petit mal) seizure, 298
 - adverse effects/safety caution, 215
 - for bipolar disorder, 117

468 **Index**

- Valproate (*Cont.*)
 - causing teratogenic defect, 298
 - general information, 214–215
 - for generalized epilepsies, 299
 - pregnancy safety of, 213–214
- Vardenafil (Levitra), 139–140, 265
- Varenicline (Chantix), 252
- Vascular dementia, 77
- Venlafaxine (Effexor/Effexor XR), 269–270
 - general information, 233–234
 - for generalized anxiety disorder, 120
 - sexual dysfunction from, 141
- Ventral tegmental area (VTA), of amygdala, 2, 9
- Veraguth, Otto, 118
- Veraguth's fold, 118
- Verapamil, 263–264
- Verbigeration, 53
- Viagra (sildenafil), 139–140, 265
- Violent behavior. *See also* suicide
 - differential diagnosis, 359
 - rape
 - date rape, 351
 - epidemiology of, 354
 - of men, 353
 - victim's psychological trip, 354
 - of women, 353
 - rape statistics
 - of rapists, 354
 - of victims, 354
- risk factors for homicide/aggressive behavior, 354–355
- Visual hallucinations, 93
- Vivactil (protriptyline), 230
- Voices (arguing, discussing, commenting), 103–104
- Voyeurism, 142
- Vyvanse (lisdexamfetamine), 259
- Wada, Juhn, 63
- Wada test, 63
- Walker, Arthur, 287–288
- Wallenberg, Adolf, 311
- Wallenberg's syndrome, 311
- Wallerian, Augustus, 332
- Wallerian degeneration, 332
- Warfarin, 262–263, 266
- Watts, James, 280–281
- Weber, Frederick, 290
- Wechsler Intelligence Scales, 63
- Weight issues. *See* eating disorders and weight issues
- Wellbutrin (bupropion), 116–117, 141, 219–220, 279
- Wernicke, Carl, 342
- Wernicke-Korsakoff syndrome, 88
- Wernicke's encephalopathy, 88
- West Nile virus, 296
- Willi, Heinrich, 289
- William, J., 291
- William's syndrome, 291
- Wilson's disease, 338
- Winnicott, Donald, 31, 32, 35
- Wisconsin Card Sorting test, 63
- With rapid cycling, 111
- Withdrawal
 - from alcohol seizures, 84–85
 - from amphetamines/cocaine, 89–90
 - from benzodiazepines, 245
 - from opioids, 97–98
- Word comprehension/production. *See* language milestones (child development)
- Working memory, 24
- Workmen's compensation issues, 370
- World Health Organization, 55
- Xanax (alprazolam), 236, 237
- Xyrem (gamma-hydroxybutyrate)(GHB), 91, 93, 152, 158, 241–242
- Yale-Brown Obsessive-Compulsive Scale (Y-BOCS), 64
- Yohimbine, 11, 142
- Zaleplon (Sonata), 245–246
- Zar (culture bound syndrome), 382
- Zidovudine, 266
- Ziprasidone (Geodon), 208, 266, 268, 271, 272
- Zoloft (sertraline), 171, 231, 263
- Zolpidem (Ambien, Ambien CR), 246
- Zoophilia, 138–139
- Zung, William, 64
- Zung Self-Rating Depression Scale, 64
- Zyprexa (olanzapine), 73, 202–203, 268, 271, 272