

absence of benefit, defining, 305-6	$\alpha$ -adrenergic agents, in attention-deficit
ABT-418, in attention-deficit hyperactivity	hyperactivity disorder treatment, 275-8
disorder treatment, 278	β-adrenergic blocking agents, in panic disorder
acetylcholine	treatment, 107
breakdown, 294	$\alpha_2$ -adrenergic receptor agonists, in panic disorde
half-life prolongation, 293	treatment, 107
acetylcholinesterase, inhibition, 294,	adults, attention-deficit hyperactivity disorder,
295	256–7
activities of daily living (ADL), 306	agoraphobia
assessment, 301	avoidance strategies, 107
acute bipolar depression, 22	definition, 105
pharmacotherapy, first-line, 28-35	differential diagnosis, 106
studies, 34, 35	pharmacotherapy
acute delirium, 298	combined, 116
acute mania, 22	meta-analyses, 112
pharmacotherapy, first-line, 23-8	prevalence, 106
polypharmacy, 28	akathisia, 72
studies, 24, 28	alcohol, and panic disorder, 106
bias, 27	alcohol abuse, and social anxiety disorder, 154
switch rates, 33	alprazolam, 125
ADAS see Alzheimer's Disease Assessment Scale	in panic disorder treatment, 108, 109-12
(ADAS)	and posttraumatic stress disorder, 129
Adderall	in social anxiety disorder treatment, 140, 145,
in attention-deficit hyperactivity disorder	154
treatment, 257	versus flesinoxan, 95-6
dosage issues, 258	versus phenelzine, 140
Adderall XR	versus pregabalin, 94–5
in attention-deficit hyperactivity disorder	Alzheimer's disease
treatment, 267	with brain ischemia, 291
dosage issues, 267	with cerebrovascular disease, 291
ADHD see attention-deficit hyperactivity disorder	clinical trials, issues, 291-2
(ADHD)	and dementia, 290
adherence	and depression, 292
in major depressive disorder treatment, 12	diagnosis
in social anxiety disorder treatment, 157	accuracy, 291
ADL see activities of daily living (ADL)	clinical versus autopsy, 291–2



etiology, 312	anorexia nervosa (AN)
and folate deficiency, 313	and body shape, 207
interventions, 292	comorbidity, 206
types of, 292	diagnostic criteria, 204
observational studies, 311-13	pharmacotherapy, 207–19
pathology, 290	efficacy studies, 205
pharmacotherapy	long-term, 243
assessment, 293	methodological issues, 239
drug holidays, 306	response predictors, 242-3
duration, 306–7	short-term efficacy, 240-1
ethical issues, 298, 306, 307	prevalence, 205
evidence-based, 290-314	psychotherapy, 211
first-line, 293–306	study resources, 205
outcomes measures, 301	symptoms, 204
prescribing issues, 292	treatment guidelines, 243
prevalence, 290	and weight gain, 207
and senile dementia compared, 290	and zinc deficiency, 216
smoking and, 293–4	see also bulimia nervosa (BN)
treatment-resistant, pharmacotherapy, 313–14	anticonvulsants
use of term, 290	in acute bipolar depression treatment, 30-1
Alzheimer's Disease Assessment Scale (ADAS), 306	in acute mania treatment, 23–5
overview, 300	in bipolar disorder prophylaxis, 38–9, 43
imantadine, 278	in bulimia nervosa treatment, 228
American Psychiatric Association (APA), eating	in rapid-cycling bipolar disorder treatment, 43
disorder guidelines, 243	anti-dementia interventions, methodological
aminoketones, 272	developments, 301
ımisulpride	antidepressants
drug augmentation, 191	in acute bipolar depression treatment, 32–3,
maintenance studies, 69	35
meta-analyses, 70	and Alzheimer's disease, 292
in schizophrenia treatment, 68–70	in anorexia nervosa treatment, 240–1
versus atypical antipsychotics, 69	anti-dementia activity, 292
versus conventional antipsychotics, 69	in bipolar disorder prophylaxis, 41
versus olanzapine, 63	development, 1, 2
versus placebo, 68–9	future trends, 17
versus risperidone, 59	dosage issues, 114
umitriptyline	drug augmentation, 14–15, 188
in anorexia nervosa treatment, 209–11	drug interactions, 322–3
in attention-deficit hyperactivity disorder	dual-action, 2, 5–6
treatment, 271	effectiveness, 5–6
and bulimia nervosa, 219	early, 1
with perhenazine, 322	•
1	effectiveness, 2, 12, 17
in posttraumatic stress disorder treatment, 125	age differences, 10
versus clomipramine, 168	efficacy, 3, 113–14 in maintenance treatment, 11
± .	
amfetamines	mechanisms, 271
dosage issues, 258	meta-analyses, 3, 4, 112
see also dextroamfetamine	metabolism, 274
AN see anorexia nervosa (AN)	non-response, 12–13, 16
inalysis of covariance (ANCOVA), 150	non-serotonergic, 168–9



antidepressants (cont.)	anxiolytics, 89
in panic disorder treatment, 107, 108-10,	drug augmentation, 188
112–14	APA (American Psychiatric Association), 243
in posttraumatic stress disorder treatment,	appetite, modulation, 214
126–7, 130	appetite enhancers, in anorexia nervosa treatment
in rapid-cycling bipolar disorder treatment,	214–16, 217
42–3	Aricept see donepezil
response, 2	aripiprazole, 27
age differences, 10	maintenance treatment, 71
sex differences, 9	in schizophrenia treatment, 70-1
selection criteria, 3	versus conventional antipsychotics, 70-1
serotonergic versus non-serotonergic, 168-9	versus placebo, 70-1
side-effects, 109	arrhythmias, risk factors, 78
switching, 13	ARTIST trial, 4
treatment duration issues, 10–12	atenolol, 148
trials, 2, 3	in social anxiety disorder treatment, 139-41
comparative, 8–9	versus phenelzine, 140
triple-action, 2, 5–6	atomoxetine
effectiveness, 5–6	in attention-deficit hyperactivity disorder
versus benzodiazepines, 109-10, 111	treatment, 274–5
see also monoamine oxidase inhibitors (MAOIs);	efficacy, 275
selective serotonin reuptake inhibitors	side-effects, 275
(SSRIs); serotonin-norepinephrine	versus placebo, 274–5
(noradrenaline) reuptake inhibitors	attention-deficit hyperactivity disorder (ADHD)
(SNRIs); serotonin reuptake inhibitors	adult, 256–7
(SRIs); tricyclic antidepressants (TCAs)	behavior therapy, 278–9
anti-inflammatory drugs, in Alzheimer's disease	costs, 255
treatment, 312–13	diagnostic criteria, 255
antipsychotics	drug holidays, 265
in anorexia nervosa treatment, 207-9	educational remediation, 258
in attention-deficit hyperactivity disorder	etiology, 255–6
treatment, 277	follow-up studies, 256
atypical	genetic bases, 256
advantages, 78	morbidity, 255
comparisons, 75	and nicotinic dysregulation, 277-8
versus conventional, 74–5	pathophysiology, 255-6
dosage issues, 75	pharmacotherapy
drug augmentation, 190–1	cognitive effects, 258
drug interactions, 322	drug classes, 259, 260, 261, 262, 263
evaluation, 56	duration, 278–9
in panic disorder treatment, 107	evidence-based, 255-79
in posttraumatic stress disorder treatment, 129	first-line, 257–75
in schizophrenia treatment, 56	prevalence, 255
side-effects, 75	prognosis, 256
trials, 56, 76	and smoking risk, 277
anxiety disorders	and substance abuse, 264
comorbidity, 8	subtypes, 255
versus panic disorder, 106	symptoms, 255
see also generalized anxiety disorder (GAD);	augmentation (drug) see drug augmentation
social anxiety disorder	axis II personality disorder, comorbidity, 8



BED see binge-eating disorder (BED)	study resources, 205
pehavior therapy	symptoms, 204–5
in attention-deficit hyperactivity disorder	treatment guidelines, 244
treatment, 278–9	bioavailability (drug) see drug bioavailability
in panic disorder treatment, 107	bipolar disorder
see also cognitive-behavioral therapy (CBT)	comorbidity, 22
penzodiazepines, 27, 89	diagnosis, 12
and generalized anxiety disorder, 89, 96-7, 98	pharmacotherapy, evidence-based, 22-44
in generalized anxiety disorder treatment, 94	polypharmacy, 43–4
limitations, 99	prevalence, 22
meta-analyses, 112	prophylaxis
in non-generalized social anxiety disorder	pharmacotherapy, 28, 35–44
treatment, 159	studies, 36, 43–4
and panic disorder, 106	rapid-cycling, 42–3
in panic disorder treatment, 107, 108,	recurrence, 11
109–10	risk factors, 22
disadvantages, 113	study resources, 22–3
and posttraumatic stress disorder, 129	type I, 33, 42
prescribing issues, 94	type II, 33, 42
with selective serotonin reuptake inhibitors,	see also acute bipolar depression; acute mania
110, 114, 115	mania
side-effects, 94, 113	blood-brain barrier, 294, 303, 329
in social anxiety disorder treatment, 145, 148,	blood clotting, 310
151, 153–4	blood pressure
with tricyclic antidepressants, 115	stimulant effects, 263-4
versus antidepressants, 109-10, 111	see also hypertension; hypotension
versus buspirone, 95	BN see bulimia nervosa (BN)
penztropine, 66, 74	body shape, and anorexia nervosa, 207
Berkson's bias, 291	body weight
peta-amyloid, accumulation reduction, 294	and eating disorders, 206
peta-blockers	regulatory mechanisms, 206
in attention-deficit hyperactivity disorder	see also weight gain
treatment, 277	bone mineral density, 77
drug interactions, 304	bradycardia, 304
in non-generalized social anxiety disorder	brain changes, and Alzheimer's disease, 290
treatment, 159	brain ischemia, 291
in social anxiety disorder treatment, 146	with Alzheimer's disease, 291
pethanechol, 214	diagnosis, 291
pias issues, negative studies, 27	Brief Social Phobia Scale (BSPS), 146
pilobalide, 310	brofaromine, 2, 125
pinge-eating disorder (BED)	in bulimia nervosa treatment, 222
combined pharmacological/psychological	in posttraumatic stress disorder treatment,
treatment, 242	125
diagnostic criteria, 204-5	in social anxiety disorder treatment, 142, 152,
pharmacotherapy, 234–9	155
efficacy studies, 205	versus placebo, 142
long-term, 242–3	bromazepam
methodological issues, 240	in social anxiety disorder treatment, 145, 154
short-term efficacy, 241	versus hydroxyzine, 96
prevalence 205	BSPS (Brief Social Phobia Scale) 146



bulimia nervosa (BN)	in generalized anxiety disorder treatment, 95,
cognitive-behavioral therapy, short-term	158
efficacy, 232–3	in posttraumatic stress disorder treatment,
combined pharmacological/psychological	129
treatment, 230-1, 241-2	in social anxiety disorder treatment, 146
meta-analyses, 231–4	versus venlafaxine, 93-4
short-term efficacy, 232-3	butyrylcholinesterase, inhibition, 294
comorbidity, 206	
diagnostic criteria, 204	caffeine, and panic disorder, 106
future research, 244	calcium channel blockers, 27
improvement, 233	calcium channels, voltage-gated, 94
meta-analyses, 231–4	cannabis, 214–16
completion rates, 231–2	and panic disorder, 106
effect size, 232	CAPS (Clinician Administrated PTSD Scale),
exclusion criteria, 231–2	121–2
inclusion rates, 231–2	capsulotomy, 191–2
pharmacotherapy, 219–30	carbamazepine, 23
efficacy studies, 205	in acute bipolar depression treatment, 29-30
long-term, 242–3	in acute mania treatment, 25
long-term efficacy, 234	in attention-deficit hyperactivity disorder
meta-analyses, 231–4	treatment, 277
methodological issues, 239-40	in bipolar disorder prophylaxis, 38, 43-4
response predictors, 242	in bulimia nervosa treatment, 228
short-term, 232	in panic disorder treatment, 107
short-term efficacy, 232-3, 241	in posttraumatic stress disorder treatment,
versus psychotherapy, 230-1	128–9
prevalence, 205	cardiac conduction block, 304
psychotherapy, 230-1	cardiovascular dysfunctions, stimulant-induced,
recovery rate, 233	263–4
study resources, 205	cardiovascular system, tricyclic antidepressant
subtypes, 240	effects, 271–2
symptoms, 204, 239	Caregiver Activity Survey (CAS), 301
post-treatment, 233–4	catecholamine dysregulation, and attention-deficit
treatment guidelines, 243-4	hyperactivity disorder, 255, 256, 257
see also anorexia nervosa (AN)	catecholamines, 257
bupropion, 2	neurotransmission, 309
in acute bipolar depression treatment,	CBT see cognitive-behavioral therapy (CBT)
32–3	Celexa see citalopram
in attention-deficit hyperactivity disorder	cerebrovascular disease, 291
treatment, 269, 272–3	with Alzheimer's disease, 291
in bipolar disorder prophylaxis, 41	CGI see Clinical Global Impression (CGI);
in bulimia nervosa treatment, 228, 229	Conners' Global Index
effectiveness, 5, 15	ChEIs see cholinesterase inhibitors (ChEIs)
pharmacology, 272–3	Child Health Questionnaire, 275
side-effects, 273	children, sudden death, 276-7
buspirone, 148	chi-square test, 148, 150
in attention-deficit hyperactivity disorder	chlordiazepoxide, versus propranolol, 96
treatment, 277	2'-chlorodesmethyldiazepam, versus paroxetine,
drug augmentation, 189	91
efficacy, 96, 99	<i>m</i> -chlorophenylpiperazine, 89



chlorpromazine, 23, 25, 26, 74	benzodiazepine studies, 145
in anorexia nervosa treatment, 207	brofaromine studies, 142
and electroconvulsive therapy, 28	fluoxetine studies, 171
side-effects, 207	fluvoxamine studies, 169, 226
versus olanzapine, 73	moclobemide studies, 141
versus quetiapine, 64–5	paroxetine studies, 143, 156
cholecystokinin, 89	risperidone studies, 191
cholinergic drugs	sertraline studies, 144, 175
in Alzheimer's disease treatment, 293	treatment-response studies, 187
cost-effectiveness, 304	venlafaxine studies, 145
cholinergic system, defects, 295	Clinical Global Severity, 237
cholinesterase inhibitors (ChEIs), 292	Clinician Administered PTSD Scale (CAPS),
in Alzheimer's disease treatment, 294-306	121–2
clinical issues, 303	Clinician's Interview-Based Impression of Change
in clinical practice, 305	Plus Caregiver Input (CIBIC-plus)
cost-effectiveness, 304–5	applications, 300–1
in dementia with Lewy bodies treatment, 295	overview, 300
drug holidays, 306	clomipramine
issues, 306–7	in anorexia nervosa treatment, 209
drug interactions, 303–4	dosage issues, 178
drug-switching issues, 305	dose–response relationships, 180
efficiency, 305	drug augmentation, 188–9
mechanisms, 294–5	drug switching, 187–8
patient differences, 295–301	noradrenergic metabolites, 169
selection criteria, 303–4	in obsessive-compulsive disorder treatment,
side-effects, 301–2	166–7, 174–5
in treatment-resistant Alzheimer's disease	with depression, 167–8
treatment, 313	long-term, 182–3
types of, 294	without depression, 167
in vascular dementia treatment, 295–8	in panic disorder treatment, 109, 111–12
CIBIC-plus see Clinician's Interview-Based	relapse rates, 184
Impression of Change Plus Caregiver Input	side-effects, 176–8
(CIBIC-plus)	versus clorgyline, 167, 168
cingulotomy, 191–2	versus desipramine, 168, 181
cisapride, 214, 274	versus exposure therapy, 167
in anorexia nervosa treatment, 214	versus imipramine, 168
side-effects, 214	versus nortriptyline, 168
citalopram, 1, 274	versus paroxetine, 171
in anorexia nervosa treatment, 211	versus selective serotonin reuptake inhibitors,
dose-response relationships, 179-80	173–4, 176, 177, 181
drug-switching, 187–8	versus venlafaxine, 182
in generalized anxiety disorder treatment, 90	withdrawal effects, 183-4
in obsessive-compulsive disorder treatment,	Clomipramine Collaborative Group, 167
172, 175–6	clonazepam
in panic disorder treatment, 109	in acute mania treatment, 27
in posttraumatic stress disorder treatment,	and bipolar disorder prophylaxis, 41
126	drug augmentation, 189–90
versus escitalopram, 90	in panic disorder treatment, 108, 109–10
versus placebo, 172	in social anxiety disorder treatment, 145, 149,
Clinical Global Impression (CGI), 139, 158, 183	152, 154, 158



clonidine	Comprehensive Psychopathological Rating Scale
in attention-deficit hyperactivity disorder	(CPRS), 165
treatment, 275–8	Obsessive-Compulsive subscale, 167
dosage issues, 275–6	Concerta
effects on noradrenergic system, 89	in attention-deficit hyperactivity disorder
efficacy, 276	treatment, 265–6
indications, 275	efficacy, 265–6
mechanisms, 275	mechanisms, 265
with methylphenidate, 276–7	Conners' ADHD/DSM-IV Scales, 267
in panic disorder treatment, 107	Conners' Global Index, 266
in posttraumatic stress disorder treatment,	Scale for Teachers and Parents, 267
129	corticotropin-releasing factor, 89
side-effects, 276	and posttraumatic stress disorder, 122
versus methylphenidate, 276	cortisol, and posttraumatic stress disorder, 122
clorgyline, versus clomipramine, 167, 168	CPRS see Comprehensive Psychopathological
clozapine, 191	Rating Scale (CPRS)
in acute mania treatment, 26	cryptoheptadine, in posttraumatic stress disorder
in bipolar disorder prophylaxis, 40–1	treatment, 129
drug clearance, 326–7	CT see cognitive therapy (CT)
in schizophrenia treatment, 72, 74	Cylert see magnesium pemoline
side-effects, 27, 59–60	CYP enzymes see P450 enzymes
versus risperidone, 59, 72–3	cyproheptadine, in anorexia nervosa treatment,
cocaine, and panic disorder, 106	209–11, 214
Cochrane Collaboration	in posttraumatic stress disorder treatment, 129
database, 90, 122	cytochrome P450 system, 274, 324
goals, 293	see also P450 enzymes
studies, 4–5, 7	,
imipramine, 96	DAD (Disability Assessment for Dementia) scale,
limitations, 7	301
lithium, 35	Davidson Trauma Scale (DTS), 121–2
rivastigmine, 303	deep brain stimulation, 192
Cochrane Dementia and Cognitive Improvement	dementia
Group, 295	age of onset, 290
cognition, as outcomes measure, 301	concept of, 290
cognitive-behavioral therapy (CBT)	diagnosis, 308
in bulimia nervosa treatment, 230–1, 241–2	etiology, 290, 291
meta-analyses, 232–3	and folate deficiency, 313
short-term efficacy, 232–3	identification issues, 291–2
with diazepam, 98	observational studies, 311–13
in generalized anxiety disorder treatment, 98	pharmacotherapy, outcomes measures, 301
in obsessive-compulsive disorder treatment, 178	prevalence, 290
in panic disorder treatment, 107, 110, 111, 114	see also Alzheimer's disease; presenile dementia;
in social anxiety disorder treatment, 140–1	senile dementia; vascular dementia
in treatment-resistant social anxiety disorder,	dementia with Lewy bodies, 291
158	diagnosis, 291
versus phenelzine, 141, 153	pharmacotherapy, 295
versus risperidone, 71	demographics, major depressive disorder, 6–10,
cognitive therapy (CT), in panic disorder	15–16
treatment, 107, 111	depression
Cohen's d, 112, 148, 149, 150, 232	and Alzheimer's disease, 292
comorbidity major depressive disorder 6–10	melancholic forms 9



monoamine hypothesis, 1	versus buspirone, 95
with obsessive-compulsive disorder,	versus imipramine, 95
pharmacotherapy, 167-8, 181	versus tetrahydrocannabinol, 214-16
and social anxiety disorder, 157	versus venlafaxine, 93
subtypes, 6–10	Disability Assessment for Dementia (DAD) scale
see also acute bipolar depression; bipolar	301
disorder; major depressive disorder	displacement interactions, 325, 330
(MDD)	Dissertation Abstract, 147
desipramine, 33, 125	DMI see desipramine
in attention-deficit hyperactivity disorder	domperidone, 214
treatment, 269-70, 271	donepezil
in bulimia nervosa treatment, 219, 230	in Alzheimer's disease treatment, 294, 297,
drug augmentation, 14-15	298–300
in posttraumatic stress disorder treatment,	benefits, 298
125	risk factors, 299
versus clomipramine, 168, 181	cost-effectiveness, 304–5
versus cognitive-behavioral therapy, 230-1	dosage issues, 295, 303
versus fluvoxamine, 181	drug holidays, 307
versus sertraline, 181	drug interactions, 304
dexamethasone suppression test, 206	titration schemes, 302
Dexedrine see dextroamfetamine	trials, 301
dexmethylphenidate	in vascular dementia treatment, 295-8
activity, 267	versus galantamine, 302, 303
in attention-deficit hyperactivity disorder	versus placebo, 301
treatment, 268	versus rivastigmine, 302, 303
drug development, 267-8	L-dopa, 278
dextroamfetamine	dopamine, 1, 271
in attention-deficit hyperactivity disorder	dopamine agonists, 278
treatment, 257	in acute bipolar depression treatment, 35
dosage issues, 258	dopamine receptor genes, and attention-deficit
diabetes mellitus, 27, 76–7	hyperactivity disorder, 256
Diagnostic and Statistical Manual of Mental	dopaminergic neurotransmission, 257
Disorders (DSM)	droperidol, 78
binge-eating disorder, 204–5	drug absorption
dementia, 308	and food, 329
DSM-III, social anxiety disorder, 137, 149-50	mechanisms, 327–9
DSM-III-R	drug administration, oral, 327
generalized anxiety disorder, 88	drug augmentation
social anxiety disorder, 137, 139, 149-50	antidepressants, 14-15
DSM-IV	strategies, 15, 16
anorexia nervosa, 204	for treatment-resistant major depressive
attention-deficit hyperactivity disorder, 255	disorder, 13-15
bulimia nervosa, 204, 240	for treatment-resistant obsessive-compulsive
depressive subtypes, 6	disorder, 188, 190-1
generalized anxiety disorder, 88, 137	for treatment-resistant posttraumatic stress
panic disorder, 105, 106	disorder, 128
posttraumatic stress disorder, 121	for treatment-resistant social anxiety disorder,
social anxiety disorder, 137, 143, 149-50	158
diazepam, 89	drug bioavailability
with cognitive-behavioral therapy, 98	altered, 327–9
in panic disorder treatment, 108	determinants, 329



drug clearance	combined pharmacological/psychological
definition, 325	treatment, 241–2
and drug interactions, 324	effects, 205
elimination half-life, 324–5	etiology, 204
hepatic, 325-6, 330-1	future research, 244-5
mechanisms, 325	long-term issues, 205
organ clearance model, 325	mortality rates, 205
renal, 325	pharmacotherapy, 206–7
roles, 324–7	classification, 205-6
drug interactions, 320–37	efficacy studies, 205
antidepressants, 322–3	evidence-based, 204-45
antipsychotics, 322	long-term, 242–3
beta-blockers, 304	methodological issues, 239–40
cholinesterase inhibitors, 303-4	response predictors, 242
classification, 323-4	short-term efficacy, 240–1
issues, 321	prevalence, 204, 205
costs, 320	study resources, 205
daily exposure, 320	treatment guidelines, 243–4
donepezil, 304	see also anorexia nervosa (AN); binge-eating
and drug clearance, 324	disorder (BED); bulimia nervosa (BN)
enzyme induction, 331–5	ECA (Epidemiological Catchment Area), 22, 137
enzyme inhibition, 335–6	ECT see electroconvulsive therapy (ECT)
galantamine, 304	EDE (Eating Disorder Examination), 237
historical background, 321–3	EDI-2 see Eating Disorder Inventory-2 (EDI-2)
in vivo prediction, 336–7	EDs see eating disorders (EDs)
monoamine oxidase inhibitors, 222, 322	effect size
mortality, 320	
•	in bulimia nervosa meta-analyses, 232
pharmaceutic, 323	homogeneity versus heterogeneity, 150
pharmacodynamic, 323	measures, 148, 149, 150
pharmacokinetic, 321–2, 323–4	adjusted, 151–2
mechanisms, 327–36	observer-rated, 150
protein-binding in, 327	Effexor see venlafaxine
psychoactive drugs, 320–1, 332	EGb 761
rivastigmine, 304	activity, 310
safety regulations, 322	in Alzheimer's disease treatment, 310–11
selective serotonin reuptake inhibitors, 322–3	applications, 310
drug metabolism, 328	side-effects, 310
in liver, 331	elderly
drug-protein binding, reversibility, 330	antidepressants, effectiveness studies, 10
DSM see Diagnostic and Statistical Manual of	orthostatic hypotension, 7
Mental Disorders (DSM)	electroconvulsive therapy (ECT), 191
DTS (Davidson Trauma Scale), 121–2	in acute bipolar depression treatment, 32
duloxetine, 2	in acute mania treatment, 28
	in bipolar disorder prophylaxis, 42
Eating Attitudes Test, 226	elimination see drug clearance
Eating Disorder Examination (EDE), 237	elimination half-life, 324–5
Eating Disorder Inventory-2 (EDI-2), 226	EMBase, 90
olanzapine studies, 209	searches, 166
eating disorders (EDs)	enzyme induction
as affect disorders, 206	drug interactions, 331–5
and body weight, 206	mechanisms, 331–5



temporal issues, 335	flesinoxan
use of term, 331	in generalized anxiety disorder treatment, 95-6
enzyme inhibition	versus placebo, 95-6
clinical significance, 336	fluoxetine, 1, 125
drug interactions, 335-6	in acute bipolar depression treatment, 32
mechanisms, 335-6	in anorexia nervosa treatment, 211
temporal issues, 336	in attention-deficit hyperactivity disorder
enzymes	treatment, 269, 273
hepatic, 326	axis II personality disorder studies, 8
phase I, 331	in binge-eating disorder treatment, 237
phase II, 331	in bipolar disorder prophylaxis, 41
see also P450 enzymes	in bulimia nervosa treatment, 222-6, 230
Epidemiological Catchment Area (ECA) studies,	dose-response relationships, 179, 180, 186-7
22, 137	drug augmentation, 14-15
EPS see extrapyramidal symptoms (EPS)	drug interactions, 322–3
escitalopram, 1	effectiveness, 4, 5
efficacy, 96, 99	efficacy, 4
in generalized anxiety disorder treatment,	in generalized anxiety disorder treatment, 91
90–1	non-response, 13
treatment duration, 97–8	in obsessive-compulsive disorder treatment,
in panic disorder treatment, 109	170–1, 175–6
estrogen, 312	long-term, 183, 186–7
trials, 312	P450 enzyme inhibition, 337
ethical issues, 298, 306, 307	in panic disorder treatment, 109
European Agency for the Evaluation of Medical	in posttraumatic stress disorder treatment,
Products, 308	125–6, 127–8
European Medicines Evaluation Agency, 301	relapse rates, 184
evidence-based pharmacotherapy of major	response, sex differences, 9
depressive disorder, 1–17	versus clomipramine, 174–5
Exelon see rivastigmine	versus phenelzine, 168, 171
Expert Consensus Panel for OCD, 178	versus placebo, 170–1
Guidelines, 180, 186, 188	flupenthixol, 58
exposure therapy	versus amisulpride, 69
versus clomipramine, 167	fluvoxamine, 1
versus sertraline, 144	in binge-eating disorder treatment, 234–7
exposure <i>in vivo</i> , in panic disorder treatment, 107,	in bulimia nervosa treatment, 222, 226–7
111	dosage issues, 178
extrapyramidal symptoms (EPS), 26	in generalized anxiety disorder treatment, 91
antipsychotic-induced, 74–5	in obsessive-compulsive disorder treatment,
and atypical antipsychotics, 78	169–70, 175–6, 182
olanzapine-induced, 62	in panic disorder treatment, 109, 111–12
reduction strategies, 74	in posttraumatic stress disorder treatment, 126
risperidone-induced, 58, 59, 60	in social anxiety disorder treatment, 143–4, 148
risperidone-induced, 36, 39, 60	versus clomipramine, 174–5
Fear Questionnaire (FQ), 140	versus desipramine, 174–3
fenfluramine, 278	versus maprotiline, 109
d-fenfluramine, in binge-eating disorder treatment, 237–9	versus placebo, 143–4, 169–70, 226–7
fixed effects model, versus random effects model,	Focalin see dexmethylphenidate
	foldate deficiency, and dementia, 313
150 flavonoids, 310, 329	food, and drug absorption, 329 FO (Fear Ouestionnaire), 140
11av0110105, 510, 529	ro (real Questionnaire), 140



Freud, Sigmund, 314	ginkgo biloba (maidenhair tree), 313
frontostriatal dysfunction, and attention-deficit	active compounds, 310
hyperactivity disorder, 255, 256, 257	in Alzheimer's disease treatment, 310-11
	ginkgolides, 310
GABA (gamma-aminobutyric acid), 89, 94, 311	Glass's delta, 148
gabapentin, 25	gliosis, 309
in acute bipolar depression treatment, 30–1	glucocorticoid receptors, and posttraumatic stress
in bipolar disorder prophylaxis, 38	disorder, 122
in social anxiety disorder treatment, 146, 152,	L-glutamate, functions, 307-8
155, 158	glutaminergic system, modulation, 307–8
GAD see generalized anxiety disorder (GAD)	P-glycoprotein (P-gp)
galactorrhea, 77	activity, 329
galantamine	and drug bioavailability, 329
in Alzheimer's disease treatment, 294, 297, 298	in drug metabolism, 328
benefits, 298	localization, 329
risk factors, 299	substrates, 336
cost-effectiveness, 304–5	grapefruit juice, and drug bioavailability, 329
dosage issues, 295	growth deficits, stimulant-induced, 264–5
drug interactions, 304	guanfacine, 276
titration schemes, 302, 305	in attention-deficit hyperactivity disorder
trials, 301	treatment, 275–6, 278
in vascular dementia treatment, 295–8	treatment, 275 0, 270
versus donepezil, 302, 303	Hachinski score, 308
versus placebo, 301	haloperidol
gamma-aminobutyric acid (GABA), 89, 94, 311	in acute mania treatment, 26
gamma-aminobutyric acid/benzodiazepine	as antipsychotic comparator, 56, 74
receptor system, and generalized anxiety	drug augmentation, 190
disorder, 89	in schizophrenia treatment, 74
gastric motility, abnormal, 211–14	versus amisulpride, 69
	versus arinistripride, 69 versus aripiprazole, 70, 71
generalized anxiety disorder (GAD)	
cognitive-behavioral therapy, 98	versus clozapine, 73–4
comorbidity, 88–9, 99	versus olanzapine, 62–3, 72, 73–4
diagnostic criteria, 137	versus quetiapine, 64, 73
neurotransmitter disturbances, 89–90	versus risperidone, 58, 60, 72, 73–4
pathophysiology, 89	versus sertindole, 67–8
pharmacotherapy	versus ziprasidone, 66
evidence-based, 88–99	Hamilton Anxiety Rating Scale (HAM-A), 91
first-line, 90–7	citalopram studies, 90
with psychotherapy, 98	paroxetine studies, 91–2
treatment duration, 97–8	sertraline studies, 92–3
prevalence, 88, 98–9	Hamilton Depression Rating Scale (HAM-D), 4, 8,
saccadic eye movement velocity, 89	9, 13, 14
study resources, 90	citalopram studies, 90
symptoms, 88	clomipramine studies, 167
treatment-resistant	olanzapine studies, 209
drug augmentation, 158	valproate studies, 30
pharmacotherapy, 98	Hedges' g, 151
see also non-generalized anxiety disorder	hepatic enzymes, roles, 326
genetics, and attention-deficit hyperactivity	hepatocytes, drug metabolism, 326
disorder 256	herbal drugs 320



hippocampal region, reduced volume, 122	drug-switching studies, 13
hormone replacement therapy (HRT)	effectiveness, 5
in Alzheimer's disease treatment, 312	efficacy, 96
benefits, 312	in generalized anxiety disorder treatment, 95
HPA axis <i>see</i> hypothalamus–pituitary–adrenal (HPA) axis	in panic disorder treatment, 109–10, 111–12 treatment duration, 114–15
HRT see hormone replacement therapy (HRT)	in posttraumatic stress disorder treatment, 125
5-HT see serotonin	response, sex differences, 9
5-hydroxyindoleacetic acid, 89	trials, 8–9
5-hydroxytryptamine (5-HT) <i>see</i> serotonin	versus clomipramine, 168
5-hydroxytryptamine receptor agonists, in	versus paroxetine, 91
generalized anxiety disorder treatment,	versus placebo, 95, 96
95–6	indometacin, in Alzheimer's disease treatment,
hydroxyzine	312–13
efficacy, 96	inositol, 125
in generalized anxiety disorder treatment,	and posttraumatic stress disorder, 129
96	in treatment-resistant obsessive-compulsive
versus placebo, 96	disorder, 191
hyperhomocysteinemia, 313	intent-to-treat (ITT) analysis
hyperlipidemia, 313	in panic disorder studies, 110
hyperprolactinemia	in social anxiety disorder studies, 142, 144, 146,
antipsychotic-induced, 77	152, 156
risperidone-induced, 59	International Classification of Diseases (ICD),
hypertension	ICD-10, generalized anxiety disorder, 88–9
and clonidine, 275	interpersonal psychotherapy (IPT), in bulimia
withdrawal, 276	
	nervosa treatment, 231
hypertriglyceridemia, 76–7	ischemic stroke, 307
hyphema, 310	isoniazid, 1
hypoglycemia, 106	1 ( '1 ' 1' 1 ' 2'
hypogonadism, 77	ketoacidosis, diabetic, 26
hypomania, prevalence, 22	kidneys, drug clearance, 325
hypotension	1
drug-induced, 292	lamotrigine, 25, 125
orthostatic, 7	in acute bipolar depression treatment, 30
hypothalamus, 89	in bipolar disorder prophylaxis, 38, 42
medioventral, 206	in posttraumatic stress disorder treatment,
hypothalamus–pituitary–adrenal (HPA) axis, 122	128
negative feedback inhibition, 122	leukoaraiosis, 291
	levetiracetam, 31
ICD (International Classification of Diseases),	Lexapro see escitalopram
88–9	Liebowitz Social Anxiety Scale (LSAS), 146, 149
idazoxan, 33	benzodiazepine studies, 145
imipramine, 1	brofaromine studies, 142
in acute bipolar depression treatment, 29	fluvoxamine studies, 143
in attention-deficit hyperactivity disorder	in meta-analyses, 151
treatment, 269, 271	moclobemide studies, 141
axis II personality disorder studies, 8	paroxetine studies, 143
in binge-eating disorder treatment, 234, 238	sertraline studies, 144
in bipolar disorder prophylaxis, 41	social avoidance subscale, 140, 141
in bulimia nervosa treatment, 219, 230	venlafaxine studies, 145



lithium	axis II personality disorder, 8
in acute bipolar depression treatment, 28, 35	medical, 7–8
in acute mania treatment, 23, 28	demographics, 6-10, 15-16
in anorexia nervosa treatment, 211	lifetime risk, 1
in bipolar disorder prophylaxis, 35-8, 43	maintenance treatment, 11, 16
in bulimia nervosa treatment, 227–8	pharmacotherapy
drug augmentation, 13, 14-15, 16, 189	adherence issues, 12
drug interactions, 322	drug selection criteria, 3
mortality prophylaxis, 37-8	duration, 10–12
in panic disorder treatment, 107	evidence-based, 1–17
in posttraumatic stress disorder treatment,	first-line, 3–10, 15
128–9	non-response, 16
side-effects, 211	trials, 2, 3
suicide prophylaxis, 37–8	prevalence, 1
trials, 23	recurrence, 10
versus placebo, 28	relapse
lithium carbonate, 13	prediction, 10–11
liver	risk, 12
drug clearance, 325-6, 330-1	sex differences, 9
drug metabolism, 331	subtypes, 8–9
function, and magnesium pemoline, 264	treatment-resistant, drug augmentation,
LSAS see Liebowitz Social Anxiety Scale (LSAS)	13–15
Luvox see fluvoxamine	pharmacotherapy, 12–15
lymphocytes, binding, 89	mania
	prevalence, 22
MADRS (Montgomery Asberg Depression Rating	study bias, 27
Scale), 31	see also acute mania
magnesium pemoline	MAOIs see monoamine oxidase inhibitors
in attention-deficit hyperactivity disorder	(MAOIs)
treatment, 257	maprotiline, versus fluvoxamine, 109
dosage issues, 258	marijuana, 264
side-effects, 264	Maudsley Obsessive-Compulsive Inventory, 170
magnetic resonance imaging (MRI),	MDD see major depressive disorder (MDD)
attention-deficit hyperactivity disorder	MEDLINE, 2, 90
studies, 255–6	searches, 22, 105, 122, 139, 166
maintenance of effect assessment	melancholia, 206
continuation treatment design, 97	memantine
relapse-prevention design, 97	in Alzheimer's disease treatment, 307-8
maintenance treatment	early studies, 308
antidepressants in, 11	mechanisms, 307-8
individual differences, 11	versus placebo, 308
obsessive-compulsive disorder, 186	in treatment-resistant Alzheimer's disease
placebo studies, 11-12, 16	treatment, 313
posttraumatic stress disorder, 127-8	meta-analyses
studies, 16–17	advantages, 2, 146
major depressive disorder (MDD)	limitations, 173
age differences, 10	overview, 146–7
atypical, comparative drug trials, 8-9	Metadate-CD, in attention-deficit hyperactivity
comorbidity, 6–10	disorder treatment, 266
anxiety disorders, 8	3-methoxy-4-hydroxyphenylglycol, 89



N-methyl-D-aspartate (NMDA), 307–8	in panic disorder treatment, 108, 109
receptor antagonists, 308	in posttraumatic stress disorder treatment, 125,
methylphenidate	127
in attention-deficit hyperactivity disorder	response, sex differences, 9
treatment, 257, 264, 266	side-effects, 222, 273
with clonidine, 276–7	in social anxiety disorder treatment, 139-41,
controlled delivery, 265, 266	148, 154–5
dosage issues, 258	trials, 8–9
isomers, 267	see also reversible inhibitors of monoamine
stereoselectivity, 267	oxidase (RIMAs)
versus clonidine, 276	monoamines, depletion, 1
see also dexmethylphenidate	Montgomery Asberg Depression Rating Scale
methylphenidate immediate release (MPH IR)	(MADRS), 31
in attention-deficit hyperactivity disorder	mood disorders, 22
treatment, 265–6	mood disturbances, stimulant-induced, 263
dosing, 265	mood stabilizers
metoclopramide, 214	in anorexia nervosa treatment, 211, 213
mianserin	in bipolar disorder prophylaxis, 39, 41, 42
in bulimia nervosa treatment, 228, 229	in bulimia nervosa treatment, 227–8
drug augmentation, 14	in panic disorder treatment, 107
in obsessive-compulsive disorder treatment, 181	in posttraumatic stress disorder treatment,
mineral supplements, in bipolar disorder	128–9
prophylaxis, 42	mortality
Mini-Mental State Examination (MMSE), 298, 306	drug interactions, 320
overview, 300	lithium prophylaxis, 37–8
mirtazapine, 2, 274	MPH IR see methylphenidate immediate release
drug augmentation, 14	(MPH IR)
effectiveness, 5, 15	Multimodal Treatment Study for ADHD (MTA),
in obsessive-compulsive disorder treatment, 181	278–9
in posttraumatic stress disorder treatment, 126	muscarinic receptor agonists, 293
MMSE see Mini-Mental State Examination	
(MMSE)	nadolol, in attention-deficit hyperactivity disorder
moclobemide, 2, 149	treatment, 277
in acute bipolar depression treatment, 32	nalmefene, in posttraumatic stress disorder
in posttraumatic stress disorder treatment, 125	treatment, 129
in social anxiety disorder treatment, 140, 141-2,	naltrexone
152, 155	in anorexia nervosa treatment, 214
versus placebo, 141-2	in binge-eating disorder treatment, 234, 237
monoamine hypothesis of depression, 1	in bulimia nervosa treatment, 228
monoamine oxidase A, inhibition, 309	in posttraumatic stress disorder treatment, 129
monoamine oxidase B	National Comorbidity Survey (US), 1, 137
inhibition, 309	National Institute of Clinical Excellence (UK),
localization, 309	304–5, 306
monoamine oxidase inhibitors (MAOIs), 1, 308	guidelines, 306
in acute bipolar depression treatment, 32	National Institute of Neurological and
in attention-deficit hyperactivity disorder	Communicative Disorders and Stroke and
treatment, 269, 273	the Alzheimer's Disease and Related
in bulimia nervosa treatment, 222, 223, 233	Disorders Association (NINCDS-ADRDA)
drug interactions, 222, 322	(US), 308
limitations, 15	criteria, 300, 311



National Institutes of Mental Health (NIMH)	see also serotonin-norepinephrine
(US), 6, 17	(noradrenaline) reuptake inhibitors
National Institutes of Mental Health Global	(SNRIs)
Obsessive-Compulsive Scale (NIMH-OC),	noradrenergic neurotransmission, 257
167, 174, 184	noradrenergic specific reuptake inhibitors
sertraline studies, 170	(NSRIs), in attention-deficit hyperactivity
NDRIs (norepinephrine (noradrenaline)	disorder treatment, 274–5
dopamine reuptake inhibitors), 228	noradrenergic system, 206
nefazodone, 2	disturbances, 89
in posttraumatic stress disorder treatment, 126	norepinephrine, 1, 271
neuroendocrine system disturbances, in	norepinephrine (noradrenaline) dopamine
posttraumatic stress disorder, 122	reuptake inhibitors (NDRIs), in bulimia
neuroleptic agents	nervosa treatment, 228
in acute bipolar depression treatment, 31	nortriptyline
in acute mania treatment, 25–7	in attention-deficit hyperactivity disorder
and Alzheimer's disease, 292	treatment, 269, 270, 271
in bipolar disorder prophylaxis, 39, 40-1, 44	axis II personality disorder studies, 8
Neuropsychiatric Inventory (NPI), 295, 301	effectiveness, 7
neurotransmitter disturbances	versus clomipramine, 167, 168
in generalized anxiety disorder, 89-90	NSRIs (noradrenergic specific reuptake
in posttraumatic stress disorder, 122	inhibitors), 274–5
neurotransmitters, antidepressant effects on, 2, 271	
nicotine	obsessive-compulsive disorder (OCD)
in Alzheimer's disease treatment, 293-4	age of onset, 165
in attention-deficit hyperactivity disorder	childhood, 168
treatment, 278	comorbidity, 165
nicotinic dysregulation, and attention-deficit	costs, 165
hyperactivity disorder, 277-8	with depression, 167-8, 181
nicotinic receptor agonists, 293, 294	diagnosis, issues, 165-6
NIMH (National Institutes of Mental Health)	diagnostic criteria, 165
(US), 6, 17	etiology, 166
NIMH-OC see National Institutes of Mental	expert consensus guidelines, 178
Health Global Obsessive-Compulsive Scale	maintenance treatment, 186
(NIMH-OC)	pharmacotherapy
NINCDS-ADRDA see National Institute of	dosage issues, 178-80, 186-7
Neurological and Communicative	dose-titration strategies, 180
Disorders and Stroke and the Alzheimer's	duration, 182–7
Disease and Related Disorders Association	evidence-based, 165-93
(NINCDS-ADRDA) (US)	first-line, 166–82
NMDA see N-methyl-D-aspartate (NMDA)	long-term, 182, 186-7
non-generalized anxiety disorder	meta-analyses, 173
characteristics, 137	response rates, 172
treatment, 159	trials, 166
non-serotonergic antidepressants, versus serotonin	withdrawal effects, 183-4
reuptake inhibitors, 168–9	prevalence, 165
non-stimulants, in attention-deficit hyperactivity	rating scales, 165
disorder treatment, 268-74	relapse, 183–4
noradrenaline, 89	prevention, 184–6
noradrenaline reuptake inhibitors	sex differences, 165
in panic disorder treatment, 109	studies



population-change effects, 172	in drug metabolism, 328, 331
resources, 166	induction, 331–5
treatment-resistant	inhibition, 337
drug augmentation, 188	panic disorder (PD)
pharmacotherapy, 187–92	age of onset, 106
strategies, 187–8, 191–2	avoidance strategies, 107
treatment-response predictors, 187	comorbidity, 105, 106–7
odds ratio (OR), 149	definition, 105
OFC (olanzapine-fluoxetine combination), 31, 32	diagnosis, 105–7
olanzapine, 23, 125	differential diagnosis, 106
in acute bipolar depression treatment, 31	etiology, 106
in acute mania treatment, 26–7, 28	pharmacotherapy, 105–17
in anorexia nervosa treatment, 207, 209	approaches, 105, 108–12
in bipolar disorder prophylaxis, 39–40	dosage issues, 108
drug augmentation, 15, 191	first-line, 112–14, 117
intramuscular, 62–3	long-term effects, 114–15
maintenance treatment, 63	meta-analyses, 111–12
meta-analyses, 63	posttest studies, 113
monotherapy, 31, 32	with psychotherapy, 107
in posttraumatic stress disorder treatment, 129	treatment duration, 114–15, 116
in resistant schizophrenia treatment, 73	prevalence, 105, 106
in schizophrenia treatment, 61–3, 71–2	psychotherapy, treatment duration, 116
side-effects, 26–7, 59–60	relapse prevention, 115
in social anxiety disorder treatment, 146	study resources, 105
versus atypical antipsychotics, 63	symptoms, 105
versus conventional antipsychotics, 62	treatment
versus placebo, 61–2	combination, 110–11, 116
versus risperidone, 59, 63	cost factors, 116–17
olanzapine–fluoxetine combination (OFC), in	options, 107, 116–17
acute bipolar depression treatment, 31, 32	short-term, 116
omega-3 fatty acids, in bipolar disorder	treatment-resistant, pharmacotherapy, 115, 116
prophylaxis, 42	versus anxiety disorders, 106
ondansetron, in bulimia nervosa treatment, 229,	PANSS (Positive and Negative Symptom Scale), 58
230	209
opiate antagonists	parkinsonism, 63, 69, 72
in anorexia nervosa treatment, 214, 216	Parkinson's disease, 291, 309
in bulimia nervosa treatment, 228	paroxetine, 1
opioid peptide system, 214	in acute bipolar depression treatment, 29, 31, 32
OR (odds ratio), 149	in binge-eating disorder treatment, 237
oxcarbazepine	dose–response relationships, 179
in acute bipolar depression treatment, 31	drug-switching studies, 13
in acute mania treatment, 25	effectiveness, 4
2-oxo-1-pyrrolidine acetamide <i>see</i> piracetam	efficacy, 92, 96, 99
17	in generalized anxiety disorder treatment, 91–2
P450 enzymes, 323, 336	treatment duration, 97
CYP1A2, induction, 331–5	in obsessive-compulsive disorder treatment,
CYP2D6, 331–5	171, 175–6
inhibition, 337	P450 enzyme inhibition, 337
CYP2E1, induction, 331–5	in panic disorder treatment, 109, 111–12
CYP3A4, induction, 331–5	platelet binding, 89



paroxetine (cont.)	posttraumatic stress disorder, 121-30
in posttraumatic stress disorder treatment, 125,	duration, 127–8
126	treatment-resistant, 128-9
relapse rates, 184–6	with psychotherapy, 98, 107, 115, 230-1
in social anxiety disorder treatment, 142-3, 156,	schizophrenia, 56-78
158	treatment-resistant, 72–8
versus citalopram, 90	social anxiety disorder, 137-60
versus escitalopram, 91, 97–8	duration, 155–7
versus placebo, 91-2, 96, 142-3, 171	treatment-resistant, 157–8
versus venlafaxine, 181–2	phenelzine, 8–9, 125, 273
withdrawal effects, 183-4	in bulimia nervosa treatment, 222
patient compliance see adherence	in panic disorder treatment, 109, 115
Patient Impression of Change–Social Phobia Scale, 141	in posttraumatic stress disorder treatment, 125
Paxil see paroxetine	in social anxiety disorder treatment, 139-41,
PD see panic disorder (PD)	152, 153, 154–6
PDS (Progressive Deterioration Scale), 301	versus fluoxetine, 168, 171
pemoline see magnesium pemoline	versus moclobemide, 141
perhenazine, with amitriptyline, 322	DL-phenylalanine, 278
P-gp see P-glycoprotein (P-gp)	phenylisopropylamines, 272
pharmacokinetics	phenytoin, in bulimia nervosa treatment,
drug interactions, 321–2	228
mechanisms, 327–36	pheochromocytoma, 106
principles, 324–7	pimozide, 78
pharmacotherapy	in anorexia nervosa treatment, 207
acute bipolar depression, 28–35	drug augmentation, 190
acute mania, 23–8	pindolol
Alzheimer's disease, 290–314	in attention-deficit hyperactivity disorder
duration, 306–7	treatment, 277
treatment-resistant, 313–14	drug augmentation, 190
attention-deficit hyperactivity disorder, 255–79	in social anxiety disorder treatment, 158
drug classes, 259, 260, 261, 262, 263	piracetam
duration, 278–9	activity, 311
bipolar disorder prophylaxis, 35–44	in Alzheimer's disease treatment, 311
eating disorders, 204–45	cognitive impairment studies, 311
effectiveness, 292	indications, 311
efficacy, 292	structure, 311
efficiency, 292	plasma drug concentration, steady-state,
generalized anxiety disorder, 88–99	326
duration, 97–8	platelets
treatment-resistant, 98	benzodiazepine binding sites, 89
major depressive disorder, 3–10	binding, 89
duration, 10–12	polypharmacy
treatment-resistant, 12–15	in acute mania treatment, 28
obsessive-compulsive disorder, 165–93	in bipolar disorder prophylaxis, 28, 43–4
duration, 182–7	evidence-based, 22
treatment-resistant, 187–92	population change, effects on
panic disorder, 105–17	obsessive-compulsive disorder studies, 172
duration, 114–15	Positive and Negative Symptom Scale (PANSS), 58
treatment-resistant, 115	209
	207



positron emission tomography (PET),	protein binding
attention-deficit hyperactivity disorder	altered, 329-31
studies, 255–6	displacement interactions, 330
postmenopausal women, hormone replacement	in drug interactions, 327
therapy, 312	reversibility, 330
posttraumatic stress disorder (PTSD)	protriptyline, in attention-deficit hyperactivity
comorbidity, 121	disorder treatment, 270
costs, 121	Prozac see fluoxetine
definition, 121	pseudoresistance, 12
diagnosis, 121–2	psychiatry, drug interactions, 321–3
maintenance treatment, 127–8	PsychInfo, 90, 139
neurotransmitter dysregulation, 122	searches, 166
pharmacotherapy	PsychLit, 2
dosage issues, 127	searches, 122
duration, 127–8	psychoactive drugs
effectiveness, 125	drug interactions, 320–1, 332
evidence-based, 121–30	metabolism, 331
first-line, 125–7	and panic disorder, 106
study resources, 122	protein binding, 327
trials, 122–5	psychodynamic psychotherapy, in panic disorder
prevalence, 121	treatment, 107
recognition, 121	psychosis, stimulant-induced, 264
study resources, 122	psychotherapy
subtypes, 121	in anorexia nervosa treatment, 211
treatment-resistant	interpersonal, 231
drug augmentation, 128	in obsessive-compulsive disorder treatment,
pharmacotherapy, 128–9	174–5
pregabalin, 89	with pharmacotherapy, 98, 107, 115, 230-1
efficacy, 99	psychodynamic, 107
in generalized anxiety disorder treatment, 94–5	supportive, 230–1
versus placebo, 94	in treatment-resistant social anxiety disorder,
PREMEDLINE, searches, 139	158
presenile dementia	see also behavior therapy; cognitive-behavioral
age of onset, 290	therapy (CBT); exposure therapy
etiology, 290	psychotropics, in generalized anxiety disorder
progestogen, trials, 312	treatment, 94–7
Progressive Deterioration Scale (PDS), 301	PTSD <i>see</i> posttraumatic stress disorder (PTSD)
prokinetic agents, in anorexia nervosa treatment,	()
211–14, 215	Q statistic, 152
prolactin	QT interval prolongation, antipsychotic-induced
antipsychotic effects, 77	78
elevated levels, 77	Quality of Life, 301
propranolol	quetiapine
in attention-deficit hyperactivity disorder	in acute mania treatment, 27
treatment, 277	drug augmentation, 191
in generalized anxiety disorder treatment, 96	maintenance studies, 65
in non-generalized social anxiety disorder	meta-analyses, 65
treatment, 159	in posttraumatic stress disorder treatment, 129
in panic disorder treatment, 107	in resistant schizophrenia treatment, 73–4
in posttraumatic stress disorder treatment, 129	in schizophrenia treatment, 63–5
· · · · · · · · · · · · · · · · · · ·	1



quetiapine (cont.)	rivastigmine
versus atypical antipsychotics, 65	in Alzheimer's disease treatment, 294, 297
versus conventional antipsychotics, 64-5	benefits, 298
versus placebo, 63–4	risk factors, 299
	cost-effectiveness, 304-5
random effects model, 152	in dementia with Lewy bodies treatment, 295
versus fixed-effects model, 150	dosage issues, 295, 303
randomized controlled trials (RCTs), bias issues, 27	drug interactions, 304
reboxetine, in panic disorder treatment, 109	side-effects, 302
recombinant human growth hormone, 218, 219	titration schemes, 302
relapse, concept of, 183	trials, 301
Remeron see mirtazapine	versus donepezil, 302, 303
Reminyl see galantamine	versus placebo, 301
Research Unit on Pediatric Psychopharmacology	Rökan see EGb 761
Anxiety Study Group, 159	
reserpine, depression induction, 1	saccadic eye movement velocity, 89
reversible inhibitors of monoamine oxidase	St. John's wort, 329
(RIMAs), 273	SARIs (serotonin-2 antagonist/reuptake
development, 2	inhibitors), 228–30
effectiveness, 5–6	schizophrenia, 27, 40
in major depressive disorder treatment, 5–6	first-episode, 72
in posttraumatic stress disorder, 125	pharmacotherapy
in social anxiety disorder treatment, 141–2, 155	evidence-based, 56–78
RIMAs see reversible inhibitors of monoamine	first-line, 57–72
oxidase (RIMAs)	prepsychotic period, 71–2
risperidone, 23	relapse rates, 60
in acute bipolar depression treatment, 31	special populations, 71–2
in acute mania treatment, 26	treatment-resistant, pharmacotherapy, 72–8
in anorexia nervosa treatment, 207–9	SCID-IV (Structured Clinical Interview for
in bipolar disorder prophylaxis, 40	DSM-IV Axis IV), 121–2
drug augmentation, 190–1	SDS (social disability scale), 140
injection, long-acting, 58–9	selective serotonin reuptake inhibitors (SSRIs), 1,
maintenance treatment, 60	89
meta-analyses, 60–1	advantages, 4-5
in posttraumatic stress disorder treatment, 129	in anorexia nervosa treatment, 211, 212
in resistant schizophrenia treatment, 72–3	and attention-deficit hyperactivity disorder,
in schizophrenia treatment, 57, 72	273–4
relapse rates, 60	with benzodiazepines, 110, 114, 115
side-effects, 59–60	in binge-eating disorder treatment, 234–7
versus atypical antipsychotics, 59–60	in bulimia nervosa treatment, 222–7, 233, 236
versus cognitive-behavioral therapy, 71	dose–response relationship, 3–4
versus conventional antipsychotics, 58	drug interactions, 322–3
versus olanzapine, 59, 63	drug switching, 187–8
versus placebo, 57–8	studies, 13
Ritalin see methylphenidate	effectiveness, 4, 7
Ritalin LA	efficacy, 4, 99
in attention-deficit hyperactivity disorder	in generalized anxiety disorder treatment, 90–3,
treatment, 266–7	96–7
dosage issues, 266	in major depressive disorder treatment, 3–5,
versus placebo, 266–7	15



in obsessive-compulsive disorder treatment,	see also selective serotonin reuptake inhibitors
166, 169, 172, 176–8	(SSRIs)
response rates, 173	serotonin-2 antagonist/reuptake inhibitors
in panic disorder treatment, 108, 109, 110,	(SARIs), in bulimia nervosa treatment,
111–12, 114	228–30
platelet binding, 89	sertindole
in posttraumatic stress disorder treatment, 122,	maintenance studies, 67–8
125–7, 130	meta-analyses, 68
response, sex differences, 9	in schizophrenia treatment, 67–8
side-effects, 127, 176–8	suspended in UK, 78
in social anxiety disorder treatment, 142-5, 148,	versus conventional antipsychotics, 67
149, 151, 152, 153–4	versus placebo, 67
trials, 8–9	sertraline, 1
with tricyclic antidepressants, 274	in acute bipolar depression treatment, 33
versus clomipramine, 173–4, 176, 177, 181	axis II personality disorder studies, 8
versus placebo, 172, 179	in binge-eating disorder treatment, 237
versus tricyclic antidepressants, 110, 111–12,	dose–response relationships, 179–80
113–14	drug augmentation, 14
selegiline	drug-switching studies, 13
in Alzheimer's disease treatment, 308–9	effectiveness, 4
mechanisms, 308	efficacy, 96, 99
senile dementia	in generalized anxiety disorder treatment,
and Alzheimer's disease compared, 290	92–3
use of term, 290	in obsessive-compulsive disorder treatment,
Sequenced Treatment Alternatives to Relieve	170, 175–6, 182
Depression (STAR*D), 6	long-term, 183
study goals, 16–17	in panic disorder treatment, 109
serotonergic system, 109, 206	in posttraumatic stress disorder treatment, 125
serotonin, 1, 271	126, 128
and eating disorders, 206	response, sex differences, 9
and generalized anxiety disorder, 89	in social anxiety disorder treatment, 144, 148,
in obsessive-compulsive disorder, 166, 181	156
and posttraumatic stress disorder, 122	versus citalopram, 90
serotonin-norepinephrine (noradrenaline)	versus clomipramine, 174–5
reuptake inhibitors (SNRIs)	versus desipramine, 181
efficacy, 99	versus exposure therapy, 144
in social anxiety disorder treatment, 154	versus placebo, 92-3, 144, 170
serotonin receptor antagonists, 1	Serzone see nefazodone
serotonin reuptake inhibitors (SRIs)	sexual dysfunction, risperidone-induced, 59,
in acute bipolar depression treatment, 32, 33	77
drug augmentation, 188, 190-1	Sheehan Disability Scale, 143, 145, 172
drug switching, 187–8	sick sinus syndrome, 304
in obsessive-compulsive disorder treatment,	sleep disturbances, stimulant-induced, 258-63
168–9	smoking, and Alzheimer's disease, 293-4
with depression, 181	smoking risk, and attention-deficit hyperactivity
direct comparisons, 175–6	disorder, 277
long-term, 182	SNAP rating scale, 268–9
meta-analyses, 173	SNRIs see serotonin–norepinephrine
versus psychotherapy, 174-5	(noradrenaline) reuptake inhibitors
versus nonserotonergic antidepressants, 168-9	(SNRIs)



social anxiety disorder	stimulants
age of onset, 137	analog classroom paradigms, 265
characteristics, 137	in attention-deficit hyperactivity disorder
comorbidity, 154, 157	treatment, 257–68
diagnostic criteria, 137	delivery systems, 265
effects, 137	disadvantages, 268-9
meta-analyses, 146–52	drug holidays, 265
Blanco et al., 151–2, 153	long-term effects, 264–5
Fedoroff and Taylor, 149-51	new generation, 265–8
Gould <i>et al.</i> , 147–9	side-effects, 258–65
Van der Linden et al., 149	structure, 257
pharmacotherapy	and substance abuse, 264, 268-9
drug selection criteria, 152–5	versus tricyclic antidepressants, 270–1
effect size, 148	streptococcal infection, 191
evidence-based, 137–60	stress, and bipolar disorder, 22
first-line, 139–55	Structured Clinical Interview for DSM-IV Axis IV
future research, 159–60	(SCID-IV), 121–2
non-adherence, 157	subdural hematoma, 310
relapse, 156–7	substance abuse
sex differences, 148, 150	and attention-deficit hyperactivity disorder, 264
treatment duration, 155–7	and bipolar disorder, 22
trials, 139–46	and social anxiety disorder, 154
placebo-controlled studies, 138	and stimulants, 268–9
prevalence, 137	sudden death, children, 276–7
study resources, 137–9	suicidality, 171
subtypes, 137	suicide
treatment, 137	and bipolar disorder, 22
treatment outcomes	lithium prophylaxis, 37–8
long-term, 148–9	sulpiride
measures, 147–8	in anorexia nervosa treatment, 207
treatment-resistant	
causes, 157–8	drug augmentation, 190
	sumatriptan, and treatment-resistant obsessive-compulsive disorder, 191
drug augmentation, 158	
management, 158	supportive psychotherapy (SPT), in bulimia
pharmacotherapy, 157–8	nervosa treatment, 230–1
psychotherapy, 158	Andrew Laderia 205
see also generalized anxiety disorder (GAD);	tachyphylaxis, 265
non-generalized anxiety disorder	tacrine
social disability scale (SDS), 140	in Alzheimer's disease treatment, 294
social phobia see social anxiety disorder	side-effects, 294
Social Phobia Inventory (SPIN), 146	Tanakan see EGb 761
SPT (supportive psychotherapy), 230–1	tardive dyskinesia (TD), 40
SRIs see serotonin reuptake inhibitors (SRIs)	TCAs see tricyclic antidepressants (TCAs)
SSRIs see selective serotonin reuptake inhibitors	TD (tardive dyskinesia), 40
(SSRIs)	Tebonin see EGb, 761
STAI (State and Trait Anxiety Inventory), 140	terpene lactones, 310
STAR*D see Sequenced Treatment Alternatives to	terpenoids, 310
Relieve Depression (STAR*D)	tetrahydrocannabinol (THC)
State and Trait Anxiety Inventory (STAI), 140	in anorexia nervosa treatment, 214–16
statins, in Alzheimer's disease treatment, 313	side-effects, 216



Texas Medication Algorithm Project (TMAP), 6,	side-effects, 127, 211, 271–2
17	tolerance, 7
halamus, 89	trials, 8–9
ГНС see tetrahydrocannabinol (ТНС)	versus selective serotonin reuptake inhibitors,
hioridazine, 78	110, 111–12, 113–14
d-threo-methylphenidate see dexmethylphenidate	versus stimulants, 270–1
thrombocytes see platelets	trifluoperazine
hyroid, hyperfunction, 106	efficacy, 96
hyroid hormone, drug augmentation, 14, 16	in generalized anxiety disorder treatment, 96
cic disorders, 190, 271	triiodothyronine, 14
stimulant-induced, 264	L-tryptophan, in obsessive-compulsive disorder
ΓΜΑΡ (Texas Medication Algorithm Project), 6,	treatment, 181
17	L-tyrosine, 278
opiramate, 25	
in acute bipolar depression treatment, 30	UGTs see uridine glucuronyltransferases (UGTs)
in binge-eating disorder treatment, 238, 239	unipolar disorder
in bipolar disorder prophylaxis, 38	diagnosis, 12
in posttraumatic stress disorder treatment,	prevalence, 22
128–9	recurrence, 11
Tourette's syndrome, 190, 275, 276	uridine glucuronyltransferases (UGTs), 331, 336
ranscranial magnetic stimulation, 191	in drug metabolism, 328
ranylcypromine, 273	,
in acute bipolar depression treatment, 32	valproate, 23
razodone, 1	in acute bipolar depression treatment, 29–30
in bulimia nervosa treatment, 228–30	in acute mania treatment, 23–5
effectiveness, 5	antidepressant activity, 30
in posttraumatic stress disorder treatment, 126	in bipolar disorder prophylaxis, 38, 39–40, 43
versus imipramine, 95	drug clearance, 326–7
ricyclic antidepressants (TCAs), 1	in posttraumatic stress disorder treatment,
in acute bipolar depression treatment, 32	128–9
in anorexia nervosa treatment, 209–11	vascular dementia, 291, 294
in attention-deficit hyperactivity disorder	pharmacotherapy, 295–8
treatment, 269–72	venlafaxine, 2, 89, 274
with benzodiazepines, 115	in acute bipolar depression treatment, 32, 33
in binge-eating disorder treatment, 234, 235	dose–response relationship, 94
and bipolar disorder, 41	drug switching, 187–8
in bulimia nervosa treatment, 219–22	drug-switching studies, 13
drug augmentation, 16	effectiveness, 5, 15
effectiveness, 7	efficacy, 96, 99
effects on cardiovascular system, 271–2	in generalized anxiety disorder treatment, 93–4
efficacy, 4	treatment duration, 97
and elderly, 10	in obsessive-compulsive disorder treatment,
in generalized anxiety disorder treatment, 95	181–2
limitations, 15, 99	in posttraumatic stress disorder treatment, 126
in panic disorder treatment, 108, 109, 110,	in social anxiety disorder treatment, 145, 154
111–12	versus placebo, 93, 96, 145
in posttraumatic stress disorder treatment, 125,	versus pregabalin, 94–5
127	verapamil, 27
response, sex differences, 9	vigabatrin, in posttraumatic stress disorder
with selective serotonin reuntake inhibitors 274	treatment, 128–9



#### 362 Index

vitamin E in Alzheimer's disease treatment, 309-10 definition, 309 occurrence, 309 supplements, 309 versus placebo, 309-10 vitamin supplements, in bipolar disorder prophylaxis, 42 war veterans, posttraumatic stress disorder, 125 weight gain and anorexia nervosa, 207 antipsychotic-induced, 76-7 and binge-eating disorder, 204-5 and bulimia nervosa, 204 olanzapine-induced, 72 risperidone-induced, 59 sertindole-induced, 68 see also eating disorders (EDs)

Yale–Brown Obsessive Compulsive Scale (Y-BOCS), 165, 167, 183, 188 citalopram studies, 172 clomipramine studies, 174

WHO (World Health Organization), 1

World Health Organization (WHO), 1

Writing Group for the Women's Health Initiative

Wellbutrin see bupropion

World Council on Anxiety, 178

Investigators, 312

fluoxetine studies, 170 fluvoxamine studies, 169, 190 paroxetine studies, 171, 176, 182 quetiapine studies, 191 risperidone studies, 190 sertraline studies, 170 treatment-response studies, 187 venlafaxine studies, 182 Y-BOCS see Yale-Brown Obsessive Compulsive Scale (Y-BOCS) yohimbine, effects on noradrenergic system, 89 zimelidine, 169 in panic disorder treatment, 111-12 zinc deficiency, and anorexia nervosa, 216 zinc sulfate, 216 zinc supplementation, in anorexia nervosa treatment, 216 ziprasidone, 27 in acute bipolar depression treatment, 31 intramuscular, 66 maintenance studies, 66 meta-analyses, 66-7 QT interval prolongation, 78 in schizophrenia treatment, 65-7 side-effects, 65 versus conventional antipsychotics, 66 versus placebo, 65-6 Zoloft see sertraline

zonisamide, 31