A	interpretation modification program (IMP).
ABS. See Affiliation biobehavioral system	494
ACC. See Anterior cingulate cortex; Attention	advantage, 494
control condition	interpretation training, 494
Acceptance and commitment therapy (ACT),	research, 494
791	negative face stimuli, 492
adaptive behaviors, 791	social anxious individuals (SAIs), 490
contingencies, focus, 791	characterization of, 490, 493, 495
mechanism of action in social anxiety	negative interpretation, 490
disorder, 791–792	vs. non-anxious individuals, 492
therapy, 792	γ-Aminobutyric acid (GABA)
ACT. See Acceptance and commitment therapy	neuronal excitability, 383
ADIS-IV. See Anxiety Disorders Interview	reuptake inhibitor, 352
Schedule for DSM-IV	temperament role, 383
Affiliation biobehavioral system (ABS), 601	AMP. See Attention modification program
endocrine substrates, associated	Amygdala
oxytocin, 601	across primate species, 421
progesterone, 601	basolateral region, 422
neural association	biological measures, temperament
social exclusion, 601	assessment, 427–430
social rejection, 601	hyper-excitable, 424
survival chance	intercalated islands, 422
key role in increasing, 601	prefrontal cortex connectivity, 342
AG. See Agoraphobia	response uncertainty and activation,
Agoraphobia (AG)	419–420
comorbidity with social anxiety disorder,	role in infant temperament, 421-424
228	high-reactive infant, 422
misdiagnosis as social anxiety disorder, 47	low-reactive infant, 423
subscale assesses fear, 53	thalamus, 422
symptoms of, 53	ANS. See Autonomic nervous system
Alcohol abuse, social anxiety disorder	Anterior cingulate cortex (ACC)
comorbidity, 244	creatine ratio, 359
gender discrepancy, prevalence of, 244	dorsal portions of, 336
individuals, 47	neuroimaging in social anxiety disorder
Alprazolam	emotion regulation, activation studies,
social anxiety disorder management,	343–344
626–627	functional neuroimaging, 339–340,
Ambiguous events interpretation, 490–495	342–343, 352–354
ecologically valid ambiguous stimuli, 491	structure, 336
interpretation biases	posterior, 513
classification, 492	rostral, 336
offline, 492	Anticonvulsants, social anxiety disorder
online, 492, 493	management
studies, 493	gabapentin, 645
social anxiety, 494	levetiracetam, 646

Anticonvulsants, social anxiety (cont.)	evidence, 484–485
pregabalin, 645–646	dot-probe detection paradigm, 484
tiagabine, 647	emotional Stroop paradigm, 484
topiramate, 646	vs. dot-probe detection paradigm,
valporic acid, 647	485
Antidepressants	facial expressions, 484
bupropion, 641	human attentional system, limited
mirtazapine, 640	capacity, 484
nefazodone, 641	probe detection task, 484
reboxetine, 641	social anxiety individuals (SAIs), 484
tricyclic antidepressants, 641	color-naming task, 484
Antipsychotics, atypical, 647	spatial cueing paradigms, 485
social anxiety disorder management, 647	methods, assessing limitations, 485–486
Anxiety disorders interview	electroencephalogram (EEG) recording,
schedule for DSM-IV (ADIS-IV), 48	486
current comorbidity, social anxiety	event-related potentials (ERPs), 486
disorder, 237	finding's interpretation, complications
psychiatric disorders, 236	in, 485
social anxiety evaluation, 48	psychophysiological measures, 486
Anxiety prevention	standardized assessment procedures,
* *	lack of, 485
core feature, social anxiety, 318	
meta-analysis, 318 social anxiety disorder (SAD)	modification, 487–489 effect on anxiety, to examine, 487
modifiable risk and protective factors,	threat/attentional control, 489
*	•
strategies to address, 319	antisaccade task, 489
summary, 319	anxious individuals, 489
Anxiety-related syndromes, 4	multi-session study, 489
Anxious symptomology, risk factors in	probe detection task, modified version,
development of	489
behavioral inhibition, 314	Attentional processes
meta-analysis, 314	attention-training programs, 679
temperamental trait, 314	cognitive models of social anxiety disorder,
comorbid symptoms, severity of, 313	679
internalizing disorders, 313	social anxiety treatment impact, 679–679
etiology of, 313	Attention control condition (ACC), 679
heritability of, 313	attentional bias, 487
negative life events, 313	trains attention, 679
parental psychopathology, 313	Attention modification program (AMP)
environmental, 313	intervention for social anxiety disorder, 690
genetic, 313	Autonomic nervous system (ANS)
social phobia	parasympathetic system, 75
empirically-based model, 313	sympathetic system, 75
summary, 316	Avoidant personality disorder (APD), 4
APD. See Avoidant personality disorder	clinical, personality pathology of, 40
Attention. See Attentional biases	conceptualization of, 27
Attentional biases	construct, empirical evidence, 36-37
causal role, 487–489	course of social phobia (SP), 34
attention bias modification (ABM)	low remission rates, chronic, 34
groups, 488	overlap of GSP, 34
attention control condition (ACC)	criteria for social phobia, 9
groups, 488	development of, 27
mediational analyses, 488	distinguishing features of, 15
treatments, 489	DSM criteria for, 28

DSM-III, 27	social anxiety treatment impact, 688–690
stimulated interest, 27	computer-assisted CBGT, 689
empirical evidence relationship with social	received rational-emotive therapy, 688
anxiety disorder, 37–38	social behaviors, micro ratings, 688
empirical findings, 38	Behavioral theory. See also Cognitive
exclusionary criterion, 9	behavioral model
findings on disability, 39	contemporary status in social anxiety and
genetic findings, 39	phobia
longitudinal studies, social anxiety	generalization of social anxiety disorder
disorder, 39	functional equivalence, 461–462
outlined in the DSM-5, 14	response generalization, 462–463
overlap, 30	stimulus equivalence, 461
paranoid personality disorders, 27	stimulus generalization, 460–461
pathology, 40	initiation, 457–460
psychological treatments, social anxiety	maintenance
disorder, 34, 35	behavioral cusps, 472–473
psychopharmacological treatment studies,	behavioral momentum, 473
social anxiety disorder studies,	delayed events, 466–467
34, 35	matching law, 464–465
psychotherapeutic interventions, 40	reinforcement amount and certainty,
relating persons, problem, 27	466–470
social anxiety disorder comparison, 30-30	rule-governed behavior, 465–466
social interactional component, 14	signal detection, 470–471
state effects, 36	therapeutic change, 472
state personality effects, 38–38	models, overview of, 451–456
symptoms, 40	Belongingness changes, responses to
_	popularity, 611
В	manipulation of, 611
BAT. See Behavioral Assessment Test	non-socially anxious individuals, 611
BDD. See Body dysmorphic disorder	positive social attention effects, 611
BDNF. See Brain derived neurotrophic factor	socially anxious individuals, 611
Behavioral assessment test (BAT)	social exclusion, 610–611
measurement, 211	interpersonal rejection, 610
performance sense, 198	online ball-tossing task, 611
role-play tests, 198	profoundly affect, 610
socially phobic individuals, 202	social anxiety affects, 610
Behavioral avoidance, social anxiety treatment	socially anxious individuals, 610
impact, 686-687	high, 610
Behavioral avoidance test (BAT), 686-687	low, 611
Behavioral inhibition (BI)	temperamentally shy children, 610
adolescence, level, 334	Benzodiazepines
anxiety	alprazolam, 642
prevention, 318	anxiolytic properties, 641
symptoms, 100	benefits, 643
evidence of, 102	bromazepam, 643
future anxious symptomology, 314	children and adolescents use, 648
genetically stable traits, 314	clonazepam
interpersonal constraint, 458	efficacy of, 642
social phobia, development of, 361	paroxetine, treatment augmentation
Behavioral inhibition system (BIS), anxiety	of, 643
role, 780	vs. alprazolam, 642
Behavioral ratings, performance quality	social anxiety disorder management, 643
comorbid avoidant personality disorder, 690	standing-dose treatment, 641

Beta-adrenergic blockers, social anxiety	cognitive behavioral therapy
disorder management, 643–644,	combination of, 284
755	efficacy, 284
BFNE. See Brief Fear of Negative Evaluation	document availability, 284
Scale	participants of, 284
BI. See Behavioral inhibition	Chronic shyness
Biological factors, social anxiety	adolescent onset, 103
amygdala, 259–263	age of onset, 102
brain/cognitive development, 258–259	areas of overlap, 102
genetic influence, 256–258	attribution style, 101
pediatric clinical syndromes, 256	behavioral inhibition (BI), 100
puberty, 263–266	anxiety symptoms, 100
Bipolar disorder, social anxiety disorder	cognitive control, 100
comorbidity, 240–240	development, 100–103
BIS. See Behavioral inhibition system	empirical findings, 101
Body dysmorphic disorder (BDD), 239–240	maladaptive attributions, 101
DSM-IV criteria, 239	negative stereotyping of, 100
shubo-kyofu, social anxiety disorder, 240	observational learning, 100
social anxiety disorder comorbidity, 4,	one size fits all model, 100
239–240	private self-consciousness, 101
Brain derived neurotrophic factor (BDNF)	relationship of, 100
depression prediction, temperament, 382	ruminative cycles, 101
gene, allele possession, 382	shy adolescents, 101
Brief Fear of Negative Evaluation Scale	self-consciousness, 101
(BFNE), 681	skilled social behavior, 101
Brief social phobia scale (BSPS)	theory of, 101
observer-rater instrument, 51	thinking patterns, 101
psychometric properties of, 51	vocabulary
Brofaromine, social anxiety disorder	scores, 100
management, 629	skills, 100
•	
Bromazepam, social anxiety disorder management, 643	CIDI. See Composite International Diagnostic Interview
BSPS. See Brief Social Phobia Scale	
	Citalopram, social anxiety disorder
Bupropion, social anxiety disorder	management, 637–638
management, 641. See also	Clinical epidemiological study, 38
Antidepressants	Clinical interview, social anxiety and phobia
sustained-release (SR), 641	assessment
Buspirone	agoraphobia, 47
social anxiety disorder management,	depression symptoms, 47
644–645	DSM-5 criteria, social anxiety disorder,
azapirone, 644	47
	free-flowing approach, 46
	goals, 46
C	interviewer-rated scales, 51-52
CAMS. See Child-adolescent anxiety	self-report measures, 52-53
multimodal study	instruments, 53
Cannabidiol, social anxiety disorder	self-report questionnaires, 52
management, 647	socially anxious individuals (SAIs), 47
cannabis sativa plant, derived from, 647	structured interviews, 48–50
CBT. See Cognitive behavioral therapy	Clinically useful social anxiety disorder
Child-adolescent anxiety multimodal study	outcome scale (CUSADOS), 60
(CAMS), 284	Clonazepam, social anxiety disorder
childhood anxiety disorders, treatment of, 284	management, 642
zamonood anniet, anonacio, acamient 01, 207	managoment, 072

Cognitive behavioral group therapy (CBGT), 662	pharmacological treatments, 755–756
educational supportive group therapy, 691	comparison for social anxiety disorder
non-behavioral interventions, 691	management
treatment dismantling study, 663	individual trials, 758–761
Cognitive behavioral model. See also	meta-analyses, 757
Behavioral theory	psychosocial treatments, 753–754
anxiety response in social anxiety disorder	relative efficacy of, 284
behavioral symptoms, 713–714	self-efficacy theory, 767
cognitive symptoms, 715	social anxiety disorder management,
physical symptoms, 714	626–627
automatic thoughts, 276	treatment-related reduction, 340
childhood social anxiety, 274	Cognitive bias, social anxiety disorder
combination, cognitive behavioral therapy,	attention studies, 484–489
284	interpretation bias, 490–495
	memory studies, 495–500
co-rumination, 275	
dysfunctional post-event processing, 275 emotional dysregulation in social anxiety	Cognitive-somatic anxiety questionnaire
	(CSAQ), 62–62, 63
disorder, 718–720	Cognitive symptoms, social anxiety disorder
emotional expression in social anxiety	attentional processes, 679–680
disorder, 718–720	beliefs, 667–674
evidence-based care, accessibility of, 282	biased judgments, 667
explicit threat-related associations, 276	judgment and interpretation-biases,
long-term memory, 275	674–678
maladaptive cognitive feature, 276	interpretation bias, 677–678
mental representation of self as seen by	subjective probabilities, 674–676
audience, 708	non-anxious adults, 667
meta-cognition, 277	sections, 667
negative evaluation	self-statements, 667–674
external indicators, 716	endorsement methods, 670–673
probability and consequences, 712	production methods, 670
negative post-event processing, 275	summary of treatments, intervention, 692
other-directed social schemas, 276	treatment impact, 667–685
perceived/anticipated audience, 706–708	Comorbidity in social anxiety disorder
perceived internal cues, 715	comment, 244–246
post-event processing, 717–718	future directions, 244–246
preferential allocation of attentional	using, DSM-III AND DSM-III-R criteria,
resources, 710–711	228–230
psychological and physical comorbidities,	using, DSM-IV criteria, 231–238
274	Composite international diagnostic interview
self image and audience behavior, 709-710	(CIDI)
self representation as seen by audience	comorbidity DSM-IV disorders,
vs. appraisal of audience's expected	231
standard, 711–712	structured interview, 50
social situation, 275	SP section of the scale, 50
vicious cycle, 716	structured interview based, 50
Cognitive behavioral therapy (CBT)	utility, clinical, 50
childhood social phobia, 279	Continuum model, social anxiety disorder
cognitive enhancers, psychosocial	fears, general population, 5
treatment, 762–765	Corticotrophin-releasing hormone (CRH)
combined pharmacotherapy, 757	molecules, 380
emotion regulation interventions, 521–522	peptide, 334
focus, 521	presence of, 385
nerve growth factor gene, 256	secretion of, 420

Cortisol, activity in social anxiety disorder,	social anxiety definitions
334–335 CRH. <i>See</i> Corticotrophin-releasing hormone	DSM-III, 9 DSM-III-R, 10
Cross-cultural assessment, social anxiety	DSM-IV, 10
challenges, 151–152	DSM-IV-TR, 10–10, 13–14
Cross-cultural expressions, social anxiety	Diagnostic nosology, social phobia,
disorder comordity, 243–244	9–11
ethnic and gender differences, 243	classifications, 9–11
groups of individuals, 244	clinically-based SAD research, 11
Latino immigrants, after 21 age, 244	comorbid diagnosis
Latino immigrants, arter 21 age, 244 Latino immigrants, before age of 21,	social phobia, 10
244	DSM-III, 9
Latinos born in the United States, 244	DSM-III, advent, 9
non-Latino white Americans, 244	DSM-III-R, publication, 10
Iranian adults, psychiatric disorders, 243	DSM-IV-TR, children, 10
non-Western countries, 243	DSM-5, 10
CSAQ. See Cognitive-somatic anxiety	DSM system, 11
questionnaire	ICD-X, 11
Cultural and developmental considerations,	international classification of diseases
social anxiety, 15–18	(ICD), 11
CUSADOS. See Clinically useful social	neurobiological indices, 11
anxiety disorder outcome scale	observable behaviors, 11
,	phobic neurosis category, 9
	psychopathological behaviors, 10
D	psychopathological social anxiety, 9
D-cycloserine (DCS), social anxiety disorder	Disability profile (DP), 52
management, 647	Disciplines and subdisciplines, social anxiety,
Developmental factors, social anxiety	19
attachment, 267–268	Disqualification of positive social experiences
temperament, 268–270	(DPSOS), 64
Dexamethasone suppression test (DST),	Dopamine
social anxiety disorder finding,	extraversion genetic association studies of
334–335	DR4, 385
Diagnostic and statistical manual (DSM)	neuroimaging of system in social anxiety
diagnostic issues, 27–30	disorder, 356–357
behavior theory, 27	temperament role, 384
DSM criteria for social anxiety disorder,	DP. See Disability profile
28	DSM. See Diagnostic and statistical manual
DSM-III criteria, APD, 27	DST. See Dexamethasone suppression test
DSM III level, 27	Duloxetine, social anxiety disorder
DSM-III-R level, 29	management, 640
DSM-IV, 30	Dysthmic disorder, social anxiety disorder
DSM-V, 30	comorbidity, 230
generalized social phobia (GSP), 29	
low self esteem, APD criteria, 27	г
performance problems, 29	E
postulating one disorder (APD), internal	Eating disorders, social anxiety disorder
image, 30	comorbidity, 239
scope, 27	EEG. See Electroencephalogram
social situations, 27	Electroencephalogram
social withdrawal, 27	biological measures, temperament
mental disorders-5, 3, 47	assessment, 427
scrizoid personality disorder chister 34	Embarrassment

across cultures, 128 person's misbehavior, 128	overlapping and contrasting, 6–8 personal report of confidence as a
wide-ranging consequences, 128	speaker scale (PRCS), 6
antecedent events, 120–122	public speaking fear, 8
behavioral sequelae, 126	social fears, level, 6
development of, 122–123	specific-fear questionnaires, 8
feelings, 118	Emotion regulation interventions, social
fundamental cause of, 124–126	anxiety disorder. See Cognitive
individual differences, 123–124	
	behavioral therapy; Mindfulness-based stress
nature of, 118	reduction
awkward abashment, 118	
unwanted evaluations, threat of, 118	Emotion regulation, social anxiety disorder
nonverbal behavior, 119	attentional deployment, 515, 519
physiology, 119	distraction method, 519
reaction of others, 127–128	gross process model, 518, 519
reprise nature, 128–129	rumination, 519
social anxiety disorder comparison,	cognitive change, 515, 520
128–135	behavioral studies, 520
behavioral sequelae, 131–132	cognitive reappraisal, 520
development, 132–133	reappraisal self-efficacy, 520
distinguishment, embarrassment and	emotional episode, 515
social anxiety, 130	process model, 515
normality and abnormality, 133-134	psychological flexibility, 514
phenomenology, 130–131	refers to, 515
similarities of the states, 135	response modulation, 520–521
timing, 131	associated with, 521
social emotion, 117	situation modification, 515, 518–519
social life, desirable functions, 117	gross process model, 518
unbecoming behavior, 117	safety behaviors, 519
Emotional face processing, functional	situation selection, 515, 517–518
neuroimaging in social anxiety	gross process model, 517, 518
disorder, 338–342	measurement of, 518
Emotional signals, processing and expression	strategies, 515
body and posture, 605–606	adaptive, 516, 517
body collapse, competition situations,	gross process model, 516, 518
606	maladaptive, 516, 517
non-verbal social cues, 605	Emotions, social anxiety disorder
faces, 603–604	attention-training procedures, 513
display of dominance, 604	cognitive models, 513
emotional facial expressions (EFEs),	emotional reactivity, 513
603	exaggerated, 514
perception of, 603	neuroimaging studies, 514
threatening, 603	spans, 513
eye tracking studies, 604	fMRI studies, brain responses, 514
smiles, positive stimuli, 604	modal model, 512
voices, 604–605	EOS. See Estimations of others scale
fundamental frequency of speech	ERP. See Event-related potential
(mF0), 605	Escape. See Behavioral avoidance
prosody, 604	Escitalopram
Emotional states, social anxiety disorder	children and adolescents use, 649
general social anxiety, distributions of	social anxiety disorder management,
social avoidance and distress scale	637–638
(SADS), 7	Estimations of others scale (EOS), 105

Event-related potential (ERP), social anxiety	cognitive behavioral therapy comparison
disorder studies, 362, 429, 486	for social anxiety disorder
Evidence-based treatment, social anxiety	management, 638
affords in-session, 279	social anxiety disorder management,
child-adolescent anxiety multimodal study	638–639
(CAMS), 284	Fluvoxamine
cognitive-behavioral treatment, skill-	children and adolescents use, 649
building phase, 278	social anxiety disorder management, 638
cognitive bias modification of	FMPS. See Frost multidimensional
interpretations (CBM-I), 282	perfectionism scale
exposure-based	fMRI. See Functional magnetic resonance
tasks, 279	imaging
treatments, 279	FNE. See Fear of negative evaluation
in-vivo exercises, 282	FNES. See Fear of negative evaluation scale
launching emerging adults program	FPE. See Fear of positive evaluation
(LEAP), 281	FPES. See Fear of positive evaluation scale
out-of-session exposures, 278	FQ. See Fear questionnaire
parental over-involvement, 282	FRIENDS prevention programs, 321–325
problem-solving strategies, 278 psychopharmacologic interventions	anxiety early intervention and prevention, 323
evaluation, 284	children at anxiety risk, 325
psychosocial treatment, 277	follow-up, 325
20-session LEAP intervention, 282	cognitive behavioral therapy, developed
skill-building treatment, 278	as, 321
transition-focused CBT protocol, 281	empathy training, 322
treatment builds, exposure phase, 278	FRIENDS for Life, 322
	description of, 323
F	fun FRIENDS program, 322
F	future research directions, 325–326
Fear and avoidance of eye contact, social	my youth FRIENDS, 322
anxiety theoretically measured	protocols, 321
components, 64	resilience for life, 322
Fear of embarrassment, measurement, 64	significant revisions, 322
Fear of negative evaluation (FNE)	unique aspect, 322
30-item true-false self-report measure, 60	universal prevention, 324
overview in social anxiety disorder,	Frost multidimensional perfectionism scale
60–61, 471	correlational research, 163–166
treatment impact, 681–685	measures, 165
Fear of negative evaluation scale (FNES),	mistakes subscale, 162
60–61, 471, 681	reductions, 180
overview in social anxiety disorder, 60–61	scores, 180
Fear of positive evaluation scale (FPES), 63,	subscales, 167
563–564, 712	Functional magnetic resonance imaging (fMRI)
Fear questionnaire (FQ), 56–57	activation studies in social anxiety disorder
anxiety disorder general measure, 56–57	emotional face processing, 338–342
good discriminate validity, 57	non-social negative emotional
high test-retest reliability, 57	processing, 350–351
15 items designed, 57	positive emotional processing, 350–351
primary fear, 56	resting state studies, 352–355
screening tool, 56	social interactions, 347–349
Fluoxetine	symptom provocation, 344–347
children and adolescents use, 648–650	brain activity, adolescents, 261
	• · · · · · · · · · · · · · · · · · · ·

Index (**809**

overview, 336	I
specific brain regions, 720	IBT. See Irrational beliefs test
	ICD. See International classification of
G	diseases
GABA. See γ-Aminobutyric acid	Individual differences, social anxiety disorder
Gabapentin, social anxiety disorder	comordity. See Cross-cultural
management, 645. See also	expressions, social anxiety
Anticonvulsants	disorder comordity
GABAergic effects, 645	International classification of diseases
GAD. See Generalized anxiety disorder	(ICD), 11
Gaze anxiety rating scale (GARS), 64	social phobias, 11
Generalized anxiety disorder (GAD)	structured interview based, 50
activation studies in social anxiety disorder	International classification of diseases
emotion regulation, 343–344	(ICD), social anxiety
amygdala reactivity, 339	definition, 11
benzodiazepines, anxiolytic properties of,	Interpersonal therapy (IPT)
641	BFNE scores, 683
functional neuroimaging studies, 339	effects, SAQ, 668
positive event processing, 562	transcripts of therapists, 793
rates of comorbid, 230	Interpretation
scales, 59	ambiguous social interactions, 490.
subjective anxiety symptoms, 262	(See also Ambiguous events
treatment of, 641	interpretation)
Generalized social phobia (GSP), 29	bias, study of, 490
General social avoidance and inhibition	social anxious individuals (SAIs),
(SAD-G), 66	490
G protein-coupled receptors, 385	social feedback, 490
1 1 1	inherent ambiguity, 490
Н	Interpretation bias, social anxiety treatment
	impact, 677–678
Hewitt and Flett model, perfectionistic self-	consequences of negative social events
presentation, 169–172	questionnaire (CONSE-Q), 677
facet	Interpretation of positive events scale (IPES),
nondisclosure of imperfection, 169	562
nondisplay of imperfection, 169	Inter-rater reliability
perfectionistic self-promotion, 169	diagnosis of SAD, 50
interpersonal psychological distress, 169	Interview. See Clinical interview
multi-faceted construct, 169	Interviewer-rated scales, social anxiety
perfectionistic self-presentation scale	disorder, 51–52
(PSPS), 169, 170	IPES. See Interpretation of positive events
sense of self-acceptance, 169	scale
HPA axis. See Hypothalamic – pituitary –	IPT. See Interpersonal therapy
adrenal axis	Irrational beliefs test (IBT), 667
Hypothalamic-pituitary-adrenal (HPA) axis	
abnormal 5-HT _{1A} binding, 358	K
activation of, 407	
activity in social anxiety disorder,	Karolinska scales of personality (KSP), 357
334–335	detachment scale of, 357
circadian rhythm, 334	detachment scores, 357
dexamethasone suppression test, 334	D ₂ receptor density, 357
gland mediated cortisol, 513	PET study, 357
neuroactivehormones, 334	Kutcher generalized social anxiety scale for adolescents (K-GSADS-A), 67
social phobia patients, 334	addiescellis (N-GSADS-A), 6/

L	awareness and automatic pilot, session 1,
Levetiracetam, social anxiety disorder	737–738
management, 646. See also	awareness of body, session 2, 738-739
Anticonvulsants	awareness of breathing, session 3, 739
Liebowitz self-rated disability scale (LSRDS),	general elements, 735–736
52	preparation, 736
Liebowitz social anxiety scale for children and	staying in present moment, session 4,
	740
adolescents (LSAS-CA), 65	theory and experimental evidence,
Liebowitz social phobia scale (LSPS), 51	attentional processes, 730–732
self-report format, 53	Mini-SPIN-R, social anxiety disorder
Liebowitz social phobia scale-self-report	
(LSPS-SR), 53	measures, 58–59
clinician-administered LSPS, 53	Mirtazapine. See also Antidepressants
correlated, 53	children and adolescents use, 650
cut-off scores, 53	social anxiety disorder management, 640
yield comparable means, 53	Moclobemide, social anxiety disorder
LSAS-CA. See Liebowitz social anxiety scale	management, 626-627
for children and adolescents	Monoamine oxidase inhibitors (MAOIs)
LSPS, Liebowitz social phobia scale. See	pharmacologic treatments, 777
Liebowitz social phobia scale	social anxiety disorder treatment
LSPS-SR, Liebowitz social phobia scale–	irreversible, nonselective inhibitors,
	626–627
self–report. See Liebowitz social	reverse monoamine oxidase-A
phobia scale–self-report	inhibitors, 628–629. See also
LSRDS. See Liebowitz self-rated disability	Reverse inhibitors of monoamine
scale	oxidase-A (RIMAS))
	* **
A 4	sources, 626
M	Multi-dimensional anxiety scale for children
Magnetic resonance imaging (MRI). See also	(MASC), 67
Magnetic resonance imaging (MRI). See also Functional magnetic resonance	(MASC), 67 Mutism, anxiety disorders, 648
Functional magnetic resonance	Mutism, anxiety disorders, 648
Functional magnetic resonance imaging	Mutism, anxiety disorders, 648
Functional magnetic resonance imaging overview, 336	Mutism, anxiety disorders, 648 N NAA. See N-acetylaspartate
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337	Mutism, anxiety disorders, 648 N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS),	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role,	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR),	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD),
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions,	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions, 343–344, 522–523	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57 OFC. See Orbitofrontal cortex
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions, 343–344, 522–523 Mindfulness-based therapy, social anxiety	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57 OFC. See Orbitofrontal cortex Opioids, temperament role, 383
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions, 343–344, 522–523	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57 OFC. See Orbitofrontal cortex Opioids, temperament role, 383 Orbitofrontal cortex (OFC), neuroimaging in
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions, 343–344, 522–523 Mindfulness-based therapy, social anxiety	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57 OFC. See Orbitofrontal cortex Opioids, temperament role, 383 Orbitofrontal cortex (OFC), neuroimaging in social anxiety disorder
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions, 343–344, 522–523 Mindfulness-based therapy, social anxiety disorder	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57 OFC. See Orbitofrontal cortex Opioids, temperament role, 383 Orbitofrontal cortex (OFC), neuroimaging in
Functional magnetic resonance imaging overview, 336 structural brain imaging in social anxiety disorder, 337 Magnetic resonance spectroscopy (MRS), social anxiety studies N-acetylaspartate, 359 serotonin system, 357–358 MAOIs. See Monoamine oxidase inhibitors MBSR. See Mindfulness-based stress reduction Melatonin, temperament role, 386–387 Memory social anxiety disorder studies, 495–500 Mindfulness-based stress reduction (MBSR), emotion regulation interventions, 343–344, 522–523 Mindfulness-based therapy, social anxiety disorder evidence of interventions, 732–735	N NAA. See N-acetylaspartate N-acetylaspartate (NAA), magnetic resonance spectroscopy studies in social anxiety disorder, 359 Nefazodone, social anxiety disorder management, 641. See also Antidepressants Neurological activity, social anxiety treatment impact, 662–666 O Obsessive compulsive disorder (OCD), 57 OFC. See Orbitofrontal cortex Opioids, temperament role, 383 Orbitofrontal cortex (OFC), neuroimaging in social anxiety disorder

treatment impact, 686–690	social anxiety disorder
behavioral ratings of performance	individuals vs. non-anxious individuals,
quality, 688–690	606
escape and avoidance, 686–687	rated protagonists, 606
Oxytocin, temperament role, 383	PET. See Positron emission tomography
	PFC. See Prefrontal cortex
	Phenelzine, social anxiety disorder
P	management, 626
Paroxetine	Phobic social situations, 48
children and adolescents use, 649	list of, 48
social anxiety disorder management, 635–636	Physiological symptoms, social anxiety
PCC. See Posterior cingulate cortex	physiological reactors
Perfectionism	wait-list condition, 663
definition, 159	positive face (AP), 665
,	
discrepancy role, social anxiety	positron emission tomography (PET), 665
clinically diagnosed social phobia, trait	pre-to-post treatment, 663
perfectionism levels, 167–168	respiratory sinus arrhythmia (RSA), 664
Hewitt and Flett model, 169–172	self-instructional training, 666
perfectionism cognitions, 172–174	skin conductance reactivity (SCR), 665
extended model, 174–177	social effectiveness therapy (SET), 663
linking perfectionism with social anxiety,	social skills training, 663
160–162	threatening face (AT), 665
research overview	treatment impact, 662–666
correlational research, 163–166	cognitive behavioral group therapy
role of discrepancy, social anxiety	(CBGT), 662
feelings of dissatisfaction, 167	educational-supportive therapy (ES),
Hewitt and Flett model, perfectionistic	662
self-presentation, 169–172	physiological measures, 662
self-discrepancy model, 167	skin conductance reactivity, 662
treatment implications, 178–181	wait list control (WLC), 665
cognitive behavioral therapy, 180	Positive experiences/events
FMPS scores, 179	biological markers of diminished rewards
unidimensional vs. multidimensional	in social anxiety, 566-567
conceptualizations, 162	dopaminergic neurotransmission, 566
Perfectionistic self-presentation scale (PSPS)	neurobiological circuitry, impaired, 566
incremental validity, 170	impaired positive cognitions, social anxiety,
predictor block, 170	559–566
variance	atypical post-event processing, positive
social interaction anxiety, 170	information, 561–562
Performance deficits, social anxiety	dearth of positivity, predicting,
relationship, 12	564–565
Pergolide, 645	lack of normative, positive self-
Personality disorders	evaluations, 562–564
association of social phobia, 34	positive evaluation fear, 563–564
DSM anxious personality disorder	life's perceived quality, lack of positive
cluster, 34	bias, 565
Person perception, 606–607	meaningful heterogeneity in social anxiety,
impression formation, 606	567–568
clinical SAD individuals, 606	self-regulatory model, social anxiety,
non anxious individuals, 606	555–559
interpersonal rejection, 606	emotion dysregulation, positivity deficit
people's social status	mechanism, 556–557
estimation of, 607	extreme self-awareness, 555
commandi oi, oo7	extreme sen-awareness, 333

812) Index

Positive experiences/events (cont.)	mental health concerns, 320
hyper-focused, 555	preschool intervention project, 320
impaired attention, positivity deficits	anxious symptomology, 320
mechanism, 558-559	implementation, 320
social anxiety and diminished positive	parent-education program, 320
experiences, 552-555	aim, 320
depressive symptoms, 553	psychoeducation, anxiety and risk
experience-sampling studies, 554	factors, 320
meta-analysis, 553	Prevention types, social anxiety, 317
posttraumatic stress disorder, 554	effective prevention program, 317
single-occasion global questionnaire,	key factors, 317
554	levels of prevention, 317
social relationships, 552	preventative intervention targets
treatment implications, 568-570	indicated, 317
Positron emission tomography (PET), 259	selective, 317
activation studies in social anxiety disorder	universal, 317
neuroanatomy, 336	Protective factors, social anxiety development
resting state studies, 352–355	314–316
summary of studies, 356	Erikson's psychosocial stages, 316
symptom provocation, 344–347	familial transmission of anxiety, 315
brain profile, 408	function mechanism, 314
neurotransmitter system imaging in social	interpersonal relationships, 316
anxiety disorder	parent-child attachment, 315
dopamine, 356–357	disorganized, insecure attachment, 315
serotonin, 357–358	positive attachments, development of,
overview, 336	315
Posterior cingulate cortex (PCC),	stable, secure attachment, 315
neuroimaging in social anxiety	positive peer relationships, 316
disorder	prosocial behaviors, 316
functional neuroimaging, 338, 352–355	social anxiety disorder
structure, 336	susceptibility to, 315
Prefrontal cortex (PFC), 260–261	social networks, analysis of, 316
amygdala connectivity, 262–262, 342	socio-emotional competence, 314
functional overview, 336	includes, 314
neuroimaging in social anxiety disorder	socio-emotional skills, 315
functional neuroimaging, 338–340,	summary, 316
346–351	PSPS. See Perfectionistic self-presentation
structure, 336	scale
Pregabalin, social anxiety disorder	Psychopharmacological treatment studies, 34
management, 645–646. <i>See also</i> Anticonvulsants	Psychophysiological arousal, biological factor 263
Prevention programs, social anxiety disorder	Psychophysiological assessment in social
management	anxiety, 75–77
coping and promoting strength program	anxiety-provoking stimuli, 75
(CAPS), 321	anxiety-related reactions, 75
child anxiety prevention study,	embarrassment, 75
developed from, 321	autonomic nervous system (ANS), 75
child components, 321	parasympathetic system, 75
cognitive-behavioral anxiety prevention	sympathetic system, 75
program, 321	cardiovascular assessment, 76-77
FRIENDS programs (See FRIENDS	conducts, cognitive restructuring, 76
prevention programs)	electrodermal recordings, 77
future research directions, 325-326	other physiological assessments, 77

physiological data, 76	Schizoid personality cluster, 34
social skills training, 76	Screen for child anxiety related emotional
treatment decisions, 76	disorders (SCARED), 67
pharmacological treatment, 76	Selective serotonin reuptake inhibitors (SSRIs)
Psychosis, social anxiety disorder comorbidity,	children and adolescents use, 648–650
241	controlled trials, 629
Psychosocial treatments, mechanisms of	social anxiety disorder management
action in social anxiety disorder,	citalopram, 637–638
792–793	escitalopram, 637–638 fluoxetine, 638–639
	fluvoxamine, 638
Q	paroxetine, 635–636
Quetiapine, social anxiety disorder	sertraline, 636–637
management, 647	Self
	behavioral strategies, 540
R	cognitive processing (. See Self-referent
	cognitive processing)
Reboxetine, social anxiety disorder	concept clarity, 542
management, 641. See also	definition, 531
Antidepressants Regulator of G-protein signalling (RGS2), 383	organization, 541–542
Respiratory sinus arrhythmia (RSA), 664	evaluative, 541
higher levels of resting, 664	related concepts, 531
measure	related motives, 540
anticipation of a speech task, 664	approaches, 540
withdrawal, 664	schema content (See Self-schema content)
Reverse inhibitors of monoamine oxidase-A	social cognitive perspective, 532
(RIMAS), social anxiety	issues, examined, 532
disorder management	structure, 541
brofaromine, 629	refers to, 541
moclobemide, 628–629	Self efficacy for social situations scale (SESS),
treated patients, 628	68
vs. monoamine oxidase inhibitors (MAOIs),	Self-monitoring, social anxiety and phobia, 72
628	Self-presentation theory
Revised children's manifest anxiety scale (RCMAS), 67	interpersonal behavior and social anxiety, 589–590
RGS2. See Regulator of G-protein signalling	original theory
RIMAS. See Reverse inhibitors of monoamine	empirical support, 580
oxidase-A (RIMAS)	evidence for, 583
Role-playing procedures, social anxiety	fundamental proposition, 580
role-play test (RPT), 69–71	original theory, 580-583
social anxiety and phobia assessment,	self-presentational perspective, 582
69–71	socially anxious people, 581
simulated social interaction test (SSIT), 71–72	virtue of, 580
RPT. See Role-play test	sociometer theory as extension
RSA. See Respiratory sinus arrhythmia	link to self-presentation, 587–588
	overview, 583–584
C	social anxiety as sociometer, 585–587
S	treatment implications, 590–592
SAD. See Social anxiety disorder	antecedents of trait social anxiety,
SADS. See Social avoidance and distress scale	590–591
Scale for interpersonal behavior (SIB), social	treating social anxiety disorder,
skill assessment in social phobia,	591–592
195	treating trait social anxiety, 591-592

Self-referent cognitive processing	children behavior, 421
judgment biases, 538	chronic shyness, 98
social anxious individuals, 538	development, 100–103
post-event processing (PEP), 538, 539	fear of negative evaluation, 98
processes, links between, 539	cognitive features and perception, 105-106
rumination, post-event, 538	definitions, 99
selective attention, 536–539	egocentric preoccupation, 98
consciousness, self, 536	emotional component, 98
focused attention, self, 537	emotional states, 99
threat-related external cues, 537	family characteristics, 108–109
Self-schema content	heterogeneous, 99
efficacy, self, 536	impairment, assessment, 99
definition, 536	interest, 98
esteem, self, 535	prevalence, 100
images, self, 534–535	self-reported traits, 99
negative self-images (NSI), 534	social phobics, 98
positive self-imagery, 535	somatic symptoms, 104–104
related thoughts, self, 532-533	treatment, 99
maladaptive self-beliefs, 533	vs. social phobic individuals, 103–104
core extrusion schema (CES)	SIB. See Scale for interpersonal behavior
measure, 533	Simulated social interaction test (SSIT)
social comparison, 533	social anxiety and phobia assessment,
social ineptness, 533	200–201
types, 533	Single nucleotide polymorphisms (SNPs)
negative self-statements, 532	ADHD, 400
positive self-statements, 532	autism, 400
Self-statements during public speaking scale	bipolar disorder, 400
(SSPS), 74	schizophrenia, 400
Septohippocampal system	temperament role, 385–386
medications, 790	Single photon emission computed tomography
Serotonin	(SPECT)
activity duration, 381	dopamine system imaging in social anxiety
neuroimaging in social anxiety disorder,	disorder, 356–357
357–358	functional neuroimaging in social anxiety,
secretion, 381	352
temperament role, 381	overview, 336
Serotonin norepinephrine reuptake inhibitors (SNRIs)	SISST. See Social interaction self-statement test
social anxiety disorder management	SNPs. See Single nucleotide polymorphisms
duloxetine, 640	SNRIs. See Serotonin norepinephrine reuptake
venlafaxine, 639-640	inhibitors
Sertraline	Social anxiety
children and adolescents use, 648-650	cultural dimensions, impact, 146-149
social anxiety disorder management,	individualism and collectivism,
636–637	146–148
treated patients vs. placebo-treated patients,	self-construal, 149
636	cultural variations, 150
SET. See Social effectiveness therapy	definitions, 8–9
Sheehan disability scale (SDS), 52	prevalence, across countries, 142-146
Shyness	Social anxiety disorder (SAD), 27
affective features, 107	analysis of
behavior, 98, 107-108	observable behaviors, 19
characteristics of, 104-109	anxiety-provoking situations, 651

anxious symptomology continuum, 312	psychological treatment, across cultures,
characteristics of, 312	152–153
avoidant disorder of childhood and	social nature, 19
adolescence (AVD), 254	subgroups, 693
avoidant personality disorder comparison	rational-emotive therapy, 693
(See Avoidant personality	subtypes, types of, 12
disorder)	public speaking, 13
body dysmorphic disorder, 4	suicidality, comorbidity, 241-242
comorbidity rates, using DSM-IV criteria	symptoms
current, 236-237, 238	impact of, 312
lifetime, 232–233, 235	theory and experimental evidence, 730-732
core features, 612	treatment implications, 613
conceptualization of, 612	cognitive-behavioral interventions, 613
multi-modal communication,	interpersonal interventions, 613
examination of, 612	status-enhancing interventions, 613
development of, 312–319	thin-skinnedness, 613
anxious symptomology (See Anxious	Social anxiety disorder dimensional scale
symptomology, risk factors in	(SAD-D), 59
development of)	Social anxiety evolutionary models, two
preventative interventions, 312	biobehavioral systems, 601-603
protective factors (See Protective	adaptive function, social anxiety, 602
factors, social anxiety	dominance-submissiveness system, 601
development)	Leary's account, 602
differences in, 6	self-awareness, heightened, 602
DSM-5 alteration, 254	social anxiety characterization, 602
early intervention, 317	social cautiousness, 602
summary, 319	socially anxious individuals, 602
evidence, 40	submissive
forms, 12–15	behaviors, 602
generalized version of, 29	gestures, 601
general social anxiety, distribution, 7	symbolic gestures
history, 254–256	dominance, 601
lifetime prevalence of, 8	Social anxiety scale for children (SASC-CA),
lower scores, 6	66
milder variant, 40	Social anxiety screening questionnaire
model, 778–780	(SAS-Q)
morphology, 254–256	sample, 52
negative evaluation, social/performance	Social anxiety session change index (SASCI),
fear, 254	59
pathological extremes, 19	Social avoidance and distress scale (SADS),
pharmacotherapy and cognitive	6, 61–62
behavioral therapy, combined,	Social backdrop, social anxiety, 96–97
790	Social effectiveness therapy (SET), 663
prevalence rate, social phobia, 142–146,	Social factors, social anxiety
256	parenting style, 270–272
prevention, 317. (See also Anxiety	peer influence, 272–274
prevention; Prevention types,	Social fitness training, social anxiety and
social anxiety)	shyness
prevention programs, implementing	cognitive-emotional self-regulation, 109
challenges, 318	compassion focused therapy approach,
difficulties set, 318	110–111
evaluation of, 318	egalitarian behavior, 109
prime target for 312	Social interaction anxiety scale (SIAS), 55

Social interaction self-statement test (SISST),	views, 193–194
73–74, 671–672	inter-personal view, 194
Social life, evolutionary perspective	intra-personal view, 193
evolutionary models (See Social anxiety	Social skills questionnaires (SSQ-P), 66
evolutionary models, two	Social status changes, responses to
biobehavioral systems)	pride, 609–610
group living, humans, 599	effects of social anxiety, 609
advantages, 599	self-conscious emotion, 609
two-biobehavioral systems, 600	social anxious individuals, 610
affiliation, 600. (See also Affiliation	social power/leadership, 609
biobehavioral system (ABS))	cortisol high levels, 609
social rank, 600. (<i>See also</i> Social rank	•
	insulating effects, social anxiety, 609
biobehavioral system (SRBS))	psychological benefits of, 609
Socially anxious individuals (SAIs), 47	testosterone high levels, performance,
Social performance survey schedule (SPSS),	609
social skill assessment in social	social status loss
phobia, 195–198	defeat, 608
Social phobia. See Social anxiety disorder	humiliation, 608
Social phobia anxiety inventory (SPAI), 53–55	shame, 608
for children (SPAI-C), 65	Spence children's anxiety scale (SCAS), 67
Social phobia inventory (SPIN), 57–58	SPIN/mini-SPIN in adolescents, 67
Social phobia scale, 56	SPSS. See Social performance survey schedule
Social phobic inventory in adolescents, 67	SRBS. See Social rank biobehavioral system
Social rank biobehavioral system (SRBS), 600	SSIT. See Simulated social interaction test
estradiol	SSPS. See Self-statements during public
female social rank and dominance, 601	speaking scale
humans social rank, processing of, 600	SSRIs. See Selective serotonin reuptake
social competition, 600	inhibitors
social hierarchies, 600	Stress response, social anxiety disorder
stable social organization, 600	findings, 334–335
testosterone, biochemical substrate related	Structured clinical interview for DSM-IV
to, 601	(SCID-IV), 48
Social self-efficacy and self-esteem in	Subjective probabilities, social anxiety
adolescents, measures of, 68	treatment impact, 674–676
Social skills	individual cognitive therapy, 675
aim and method, 190	overestimations, likelihood, 674
assessment, socially phobic, 194–195	subjective probability scale, 674
behavioral measures, 202–203	treatment effects, 674
definition, 191	*
	within-group effect sizes, 674
hypothesis, 191	
improvement in performance,	T
214–215	_
notion of, 191	Temperament
self-protective shell, 215	assessment
self-reports, 195–198	biological measures, 427–430
skills deficits, 191, 203–215	high-reactives, 429
deficient, socially phobic sub-groups,	low-reactives, 429
210–211	cascades and mental states, 435–436
socially anxious individuals, 203	eighteen year old, 432–434
social functioning, social phobia problem,	clinical symptoms, 434–435
216–217	eleven years, 427
training, 211–214, 791	fifteen years, 430–432
treatment, social phobia, 218-220	biological measures, 432-434

Index (817

four-and-a-half-years, 425-426	world's problems, nature of, 393
second year, 424–425	evidence sources in bias determination,
seven-and-a-half-years, 426	387–392
visceral feedback, 436–437	Lab-TAB, behavioral observations, 388
categories	genes and neurochemistry, 380-386
high-reactivity, 439–441	dopamine, 384
low-reactivity, 439-441	gamma-aminobutyric acid (GABA),
determinism/limitations, 437–439	383
enthusiasm for biology, 392-412	heritability coefficients, 386
American vs. Japanese psychiatrists,	neuromodulators, 380
405	neuropeptides, 383
anatomical interconnectivity, 405	neurotransmitters, 380
antisocial behavior, origin of, 400	serotonin, 381
blood flow pattern, adults, 406	infants
brain metrics, 411	high-reactive, 421–424
brain, psychological phenomena	low-reactive, 421–424
foundation, 408	temperamental biases, 420
cause of saccade, 407	inhibited children, 420
cerebral blood flow in humans, studies	reactions to the unfamiliar, 419-420
of, 401	response uncertainty, 419
childhood adversities, 399	types, 378–380
contemporary films, 404	behavioral phenotype, 379
copy number variant (CNV), 405	temperamental biases, 378
depression bouts, high prevalence of,	uncertainty-evoking events, 420
402	Test-retest reliability
emotions, adults, 393	DSM-IV ADIS-C/P diagnoses, 50
emotions muting, 403	Thought-listing and thought-recalling, social
evolution, factors responsible for, 409	anxiety disorder, 74–75
friendlessness, 402	Thought-listing, social anxiety and phobia
general adaptation syndrome, 396	assessment, 73–75
Hispanic children, 398	Tiagabine, social anxiety disorder
human actions, 407	management, 647. See also
human aesthetic evaluation of music,	Anticonvulsants
409	Tier social stress test (TSST)
human psychonome project, 411	anxiety trait, measurement of, 732
idiosyncratic, 393	social anxiety disorder findings, 335
immune system, ability of, 397	Topiramate, social amxiety disorder
intuitionpopular theory, 410	management, 646. See also
Niels Bohr's principle, 409	Anticonvulsants
Pavlov, 399–400	Tranylcypromine, social anxiety disorder
physical exercise, therapeutic effects,	management, 627
393	Tricyclic antidepressants, 641. See also
psychologically stressful events, 396	Antidepressants
psychological process, emergence of,	TSST. See Trier social stress test
407	
psychological stressor, 397	V
reluctance to blame victims, 398	•
sense of control, 395	Valporic acid, social anxiety disorder
stress, 396–397	management, 647. See also
symbolic world, properties of, 402	Anticonvulsants
sympathy level, increasing, 403	Venlafaxine
unconditioned reflexes, 399	children and adolescents use, 650
unhappiness, 402	social anxiety disorder management, 639-640

818) Index

Virtual sphere, self-presentation, 607–608 computer-mediated communication, 607

Facebook profiles objective measures of, 607

face-to-face communication, 607 non-verbal cues substitution of, 607 social sites' profiles, 607 social structures, 607