



Anti-Depression Drugs (Anti-Depressant Agents) = Anti-Depressants

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The image shows the cover of the Lexicomp Drug Information Handbook. The cover is green and white. At the top, it says 'LEXICOMP DRUG REFERENCE HANDBOOKS'. Below that, in large white letters on a green background, is 'Lexicomp® Drug Information Handbook'. Underneath, in smaller white text, it says 'A Clinically Relevant Resource for All Healthcare Professionals'.

Drug Reference

A Clinically Relevant Resource
for All Healthcare Professionals

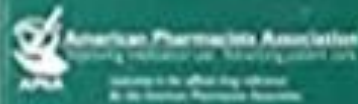
The Drug Information Handbook, the flagship publication from Lexicomp, is trusted by a wide variety of healthcare professionals to deliver timely, clinically relevant pharmacotherapy knowledge.

Endorsed by the American Pharmacists Association (APhA), the Drug Information Handbook is chosen daily by healthcare professionals as their resource to help improve medication safety and enhance patient care.

This handbook follows a **dictionary-like format**, with drug products organized alphabetically and cross-referenced by U.S. and Canadian brand names and index terms. Healthcare professionals have access to more than **1700 drug monographs**, each offering up to 48 fields of information specific to a particular medication. Supplementing the drug information is an extensive Appendix, offering helpful treatment guidelines and therapy recommendations, and a **Pharmacologic Category Index**.

Lexicomp® Drug Information Handbook

A Clinically Relevant Resource
for All Healthcare Professionals



28th Edition

Includes:

- 1745 Drug Monographs
- Up to 48 Fields of Information per Monograph
- More than 50 Pages of Appendix Information

Updates to this edition:

- 65 New Drug Monographs
- 6 New/Revised Monograph Fields
- Dosing: Renal Impairment: Adult
- Dosing: Hepatic Impairment: Adult
- Dosing: Renal Impairment: Pediatric
- Dosing: Hepatic Impairment: Pediatric
- 6 Updated Appendix Topics
- Immunization Schedules
- Immunization Administration Recommendations
- Opioid Conversion Table and Morphine Equivalent Dose Table
- Oral Anticoagulant Comparison Chart

Monograph Template for This File Following Lexi's Format

- Title: pharmacologic classification (pharmacologic category)
- Generic name
- Brand/Trade name/s
- Dosage form/s: tab.; cap.; inj.
- Mechanism Of Action (MOA)
- ✓ Labeled & un-labeled use (indication)
- ✓ Administration
- Metabolism
- Drug-Drug Interactions
- Avoid concomitant use
- Side effect/s
- Monitoring
- Company names:

Followed Monograph Format in This Course

Generic Name		Chemical Structure	نام ژنریک دارو
Trade Name			نام / های تجاری رایج
Available Market Dosage Forms (Iran/ International Market)			فرم های دارویی موجود در ایران/جهان
Any Particular Point in the Available Dosage Form			نکته قابل توجه درباره فرمولاسیون رایج
Stability			پایداری فرم دارویی
Pharmacologic Category			دسته فارماکولوژیکی
Mechanism of Action			مکانیسم عمل
Labeled Use			کاربرد درمانی اصلی
Unlabeled Use			کاربرد درمانی فرعی
Administration			نحوه مصرف (تجویز)
Onset of action			شروع اثر
Metabolism			متابولیسم
Minimum Efficient Dose			حداقل دوز موثر
Maximum Efficient Dose			حداکثر دوز موثر
Monitoring			مانیتورینگ (پایش)
Pregnancy Limitations			محدودیت مصرف در بارداری

SRAmmini Feb2025

Neurotransmitter Deficiency Syndromes

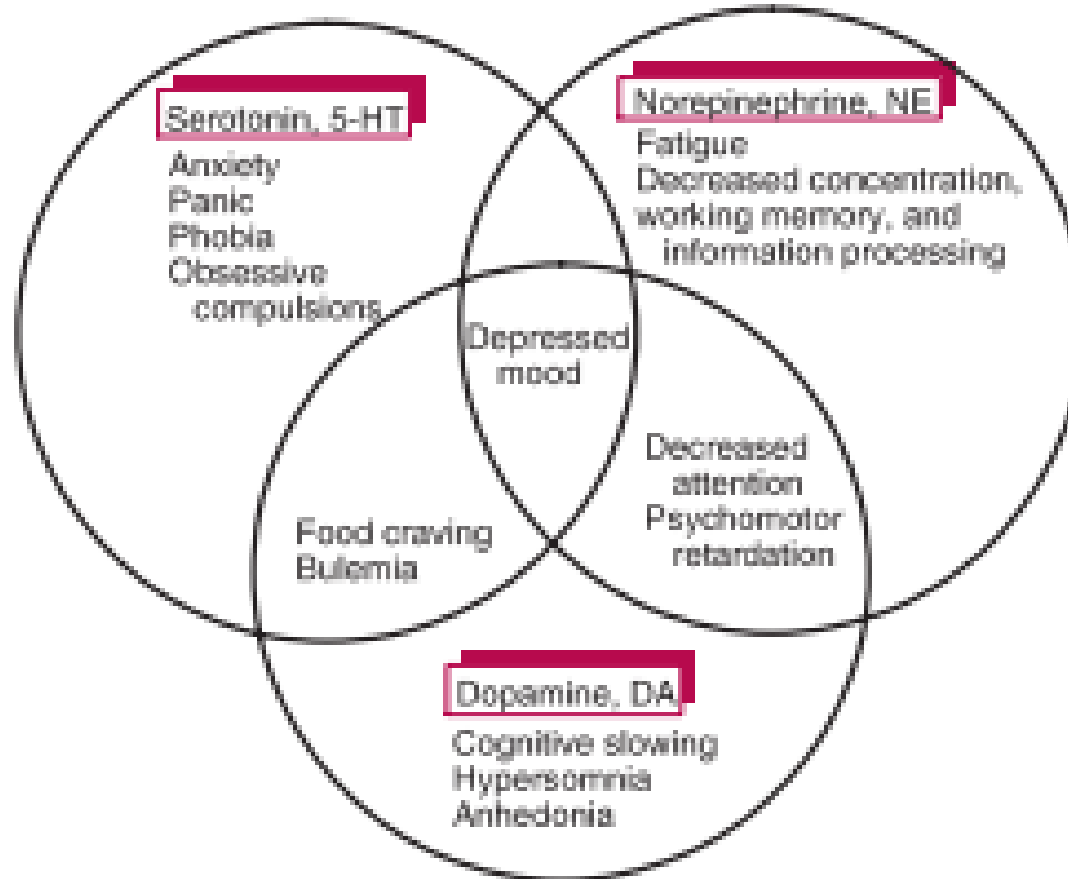
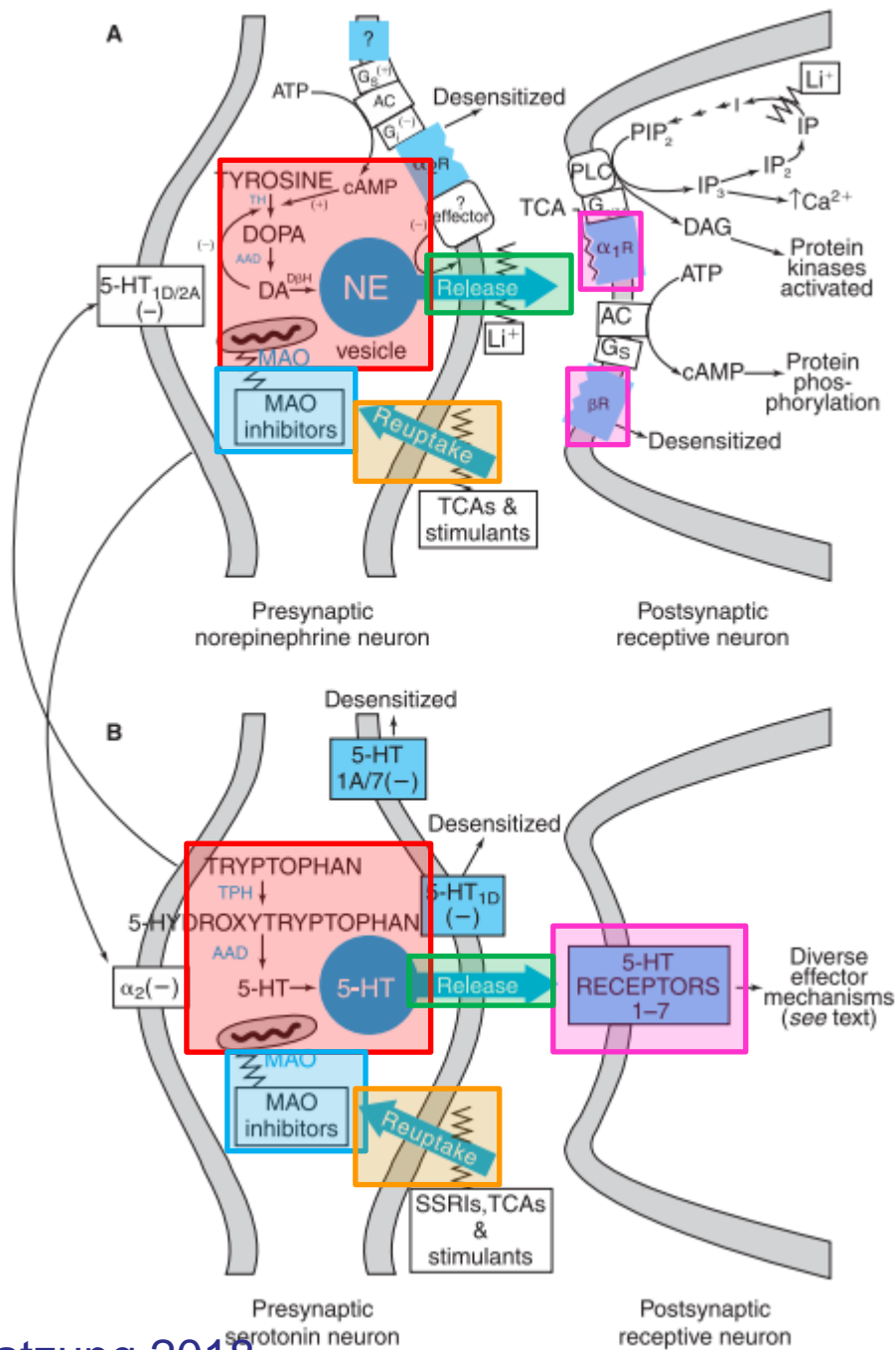


Figure 11.25 Neurotransmitter deficiency syndromes and their interactions.



Synthesis

Metabolism

Release

Postsynaptic Effect

Presynaptic Reuptake

FIGURE 17-1 Sites of action of antidepressants. **A.** In varicosities ("terminals") of norepinephrine (NE) neurons projecting from brainstem to forebrain, L-tyrosine is oxidized to dihydroxyphenylalanine (L-DOPA) by tyrosine hydroxylase (TH), then decarboxylated to dopamine (DA) by aromatic L-amino acid decarboxylase (AAD) and stored in vesicles, where side-chain oxidation by dopamine β -hydroxylase (β H) converts DA to NE. Following exocytotic release by depolarization in the presence of Ca^{2+} (inhibited by lithium), NE interacts with postsynaptic α and β adrenergic receptor (R) subtypes as well as presynaptic α_2 autoreceptors. Regulation of NE release by α_2 receptors is principally through attenuation of Ca^{2+} currents and activation of K^+ currents. Inactivation of trans-synaptic communication occurs primarily by active transport ("reuptake") into presynaptic terminals (inhibited by most tricyclic antidepressants [TCAs] and stimulants), with secondary deamination (by mitochondrial monoamine oxidase [MAO], blocked by MAO inhibitors). Blockade of inactivation of NE by TCAs initially leads to α_2 receptor-mediated inhibition of firing rates, metabolic activity, and transmitter release from NE neurons; gradually, however, α_2 autoreceptor response diminishes and presynaptic activity

Sites of Action for Antidepressants

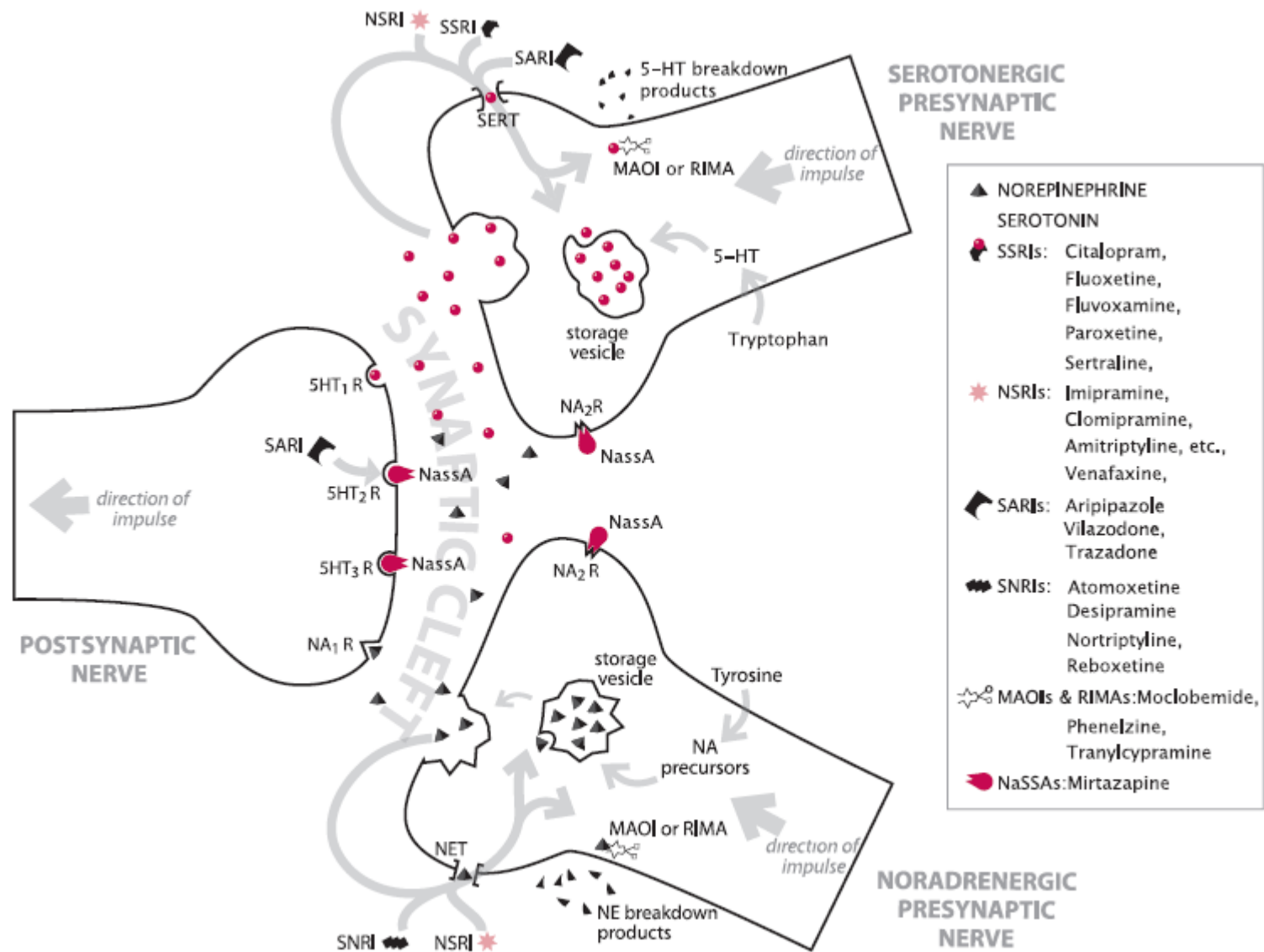
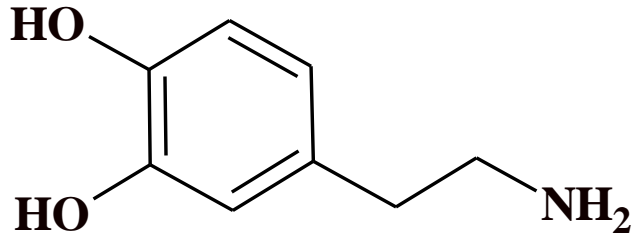
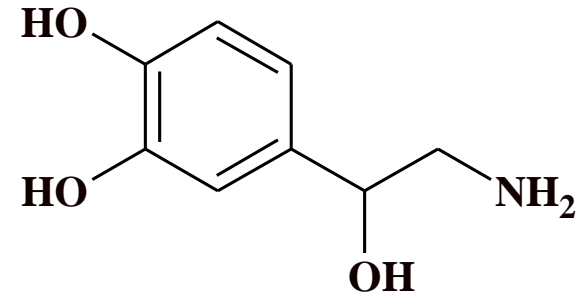


FIGURE 18.3 Sites of action of the antidepressants.

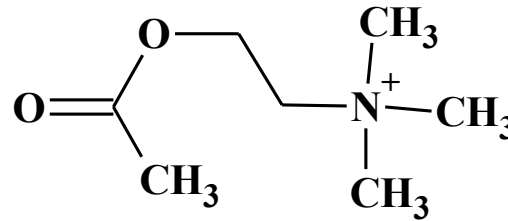
Mono-Amines Neurotransmitters (NTs) in Nervous System



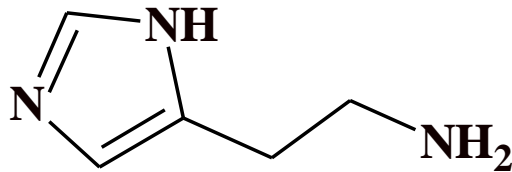
Dopamine



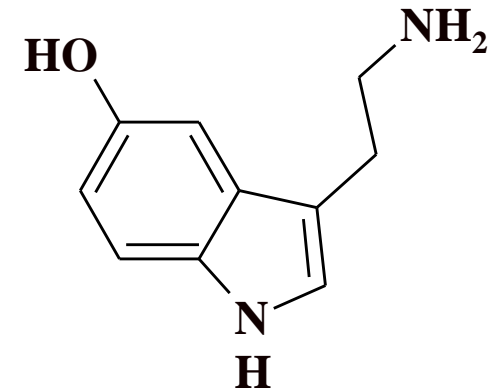
NorEpinephrine



Acetylcholine



Histamine



Serotonin

Correlation of Pharmacologic & Chemical Classification of Antidepressants

- Selective Ser Reuptake Inhibitors (SSRIs): non-TCA
- Selective NE Reuptake Inhibitors (SNRIs): non-TCA; TCA
- NE & Ser Reuptake Inhibitors (NSRIs): non-TCA; TCA
- Dop & NE Reuptake Inhibitors (DNRIs)
- Ser Receptor Modulators & Stimulators (SMSs):
- ✓ Noradrenergic & Specific Ser Antidepressants (NaSSAs)
- ✓ Ser Antagonists / Reuptake Inhibitors (SARIs)
- Monoamine Oxidase Inhibitors (MAOIs)
- Ser precursors & providers
- Mood stabilizers
- Melatonergic agonist / Ser antagonist

TABLE 30–2 Blocking effects of some antidepressant drugs on several receptors and transporters.

Antidepressant	ACh M	α_1	H ₁	5-HT ₂	NET	SERT
Amitriptyline	+++	+++	++	0/+	+	++
Amoxapine	+	++	+	+++	++	+
Bupropion	0	0	0	0	0/+	0
Citalopram, escitalopram	0	0	0		0	+++
Clomipramine	+	++	+	+	+	+++
Desipramine	+	+	+	0/+	+++	+
Doxepin	++	+++	+++	0/+	+	+
Fluoxetine	0	0	0	0/+	0	+++
Fluvoxamine	0	0	0	0	0	+++
Imipramine	++	+	+	0/+	+	++
Maprotiline	+	+	++	0/+	++	0
Mirtazapine	0	0	+++	+	+	0
Nefazodone	0	+	0	++	0/+	+
Nortriptyline	+	+	+	+	++	+
Paroxetine	+	0	0	0	+	+++
Protriptyline	+++	+	+	+	+++	+
Sertraline	0	0	0	0	0	+++
Trazodone	0	++	0/+	++	0	+
Trimipramine	++	++	+++	0/+	0	0
Venlafaxine	0	0	0	0	+	++
Vortioxetine ¹	ND	ND	ND	ND	+	+++

¹ Vortioxetine is an agonist or partial agonist at 5-HT_{1A} and 5-HT_{1B} receptors, an antagonist at 5-HT₃ and 5-HT₇ receptors, and an inhibitor of SERT.

ACh M, acetylcholine muscarinic receptor; α_1 , alpha₁-adrenoceptor; H₁, histamine₁ receptor; 5-HT₂, serotonin 5-HT₂ receptor; ND, no data found; NET, norepinephrine transporter; SERT, serotonin transporter.

0/+, minimal affinity; +, mild affinity; ++, moderate affinity; +++, high affinity.

Common Side Effects of Antidepressants

TABLE 33.2 Common Side Effects of Therapeutic Doses of Antidepressants

Agent	Sedation	Anticholinergic	Orthostasis	Weight Gain	Sexual Dysfunction
SSRIs	+/-	0	0	+/-	+++
TCAs	+++	+++	+++	++	++
Miscellaneous					
Trazodone	+++	0	++	++	+ ^a
Bupropion	0	0	0	0	0
Nefazodone	++	0	0	0	0
Venlafaxine	+/-	0	0 ^b	0	++
Mirtazapine	++	0	0	++	0
MAOIs	0	+	+++	++	+

TCA, tricyclic antidepressant; SSRI, selective serotonin reuptake inhibitor; MAOI, monoamine oxidase inhibitor.

0, no effect; +, ++, +++ indicate increasing effect.

^aPriapism.

^bVenlafaxine can cause a dose-dependent increase in blood pressure.

SEs:

Sedation Anticholinergic Weight gain Sexual dysfunction

TABLE 30–1 Pharmacokinetic profiles of selected antidepressants.

Class, Drug	Bioavailability (%)	Plasma $t_{1/2}$ (hours)	Active Metabolite $t_{1/2}$ (hours)	Volume of Distribution (L/kg)	Protein Binding (%)
SSRIs					
Citalopram	80	33–38	ND	15	80
Escitalopram	80	27–32	ND	12–15	80
Fluoxetine	70	48–72	180	12–97	95
Fluvoxamine	90	14–18	14–16	25	80
Paroxetine	50	20–23	ND	28–31	94
Sertraline	45	22–27	62–104	20	98
SNRIs					
Duloxetine	50	12–15	ND	10–14	97
Milnacipran	85–90	6–8	ND	5–6	13
Venlafaxine ¹	45	8–11	9–13	4–10	27
Tricyclics					
Amitriptyline	45	31–46	20–92	5–10	90
Clomipramine	50	19–37	54–77	7–20	97
Imipramine	40	9–24	14–62	15–30	84
5-HT modulators					
Nefazodone	20	2–4	ND	0.5–1	99
Trazodone	95	3–6	ND	1–3	96
Vortioxetine	75	66	ND	ND	98
Tetracyclics and unicyclic					
Amoxapine	ND	7–12	5–30	0.9–1.2	85
Bupropion	70	11–14	15–25	20–30	85
Maprotiline	70	43–45	ND	23–27	88
Mirtazapine	50	20–40	20–40	3–7	85
Vilazodone	77	25	ND	ND	ND
MAOIs					
Phenelzine	ND	11	ND	ND	ND
Selegiline	4	8–10	9–11	8–10	99

¹Desvenlafaxine has similar properties but is less completely metabolized.

MAOIs, monoamine oxidase inhibitors; ND, no data found; SNRIs, serotonin-norepinephrine reuptake inhibitors; SSRIs, selective serotonin reuptake inhibitors.

Common Comments in Prescribing Anti-Depressants

- Tapering start & stop
- Daily time of administration: morning, midday or night.
- Pregnancy & lactation
- Cautions for:
 - ✓ co-administration of neurotransmitter related drugs: Ser syndrome
 - ✓ co-administration of supplement including Trp related ingredients
 - ✓ co-administration of nutraceuticals including valerian, ..
- Free interval within administration of MAOIs
- Interaction to alcohol & alcoholic products

TABLE 83.1 Selected Medical Conditions that May Mimic Depression

CENTRAL NERVOUS SYSTEM

Alzheimer disease
Cerebrovascular accident
Epilepsy
Multiple sclerosis
Parkinson disease

CARDIOVASCULAR

Cerebral arteriosclerosis
Congestive heart failure
Myocardial infarction

ENDOCRINE

Addison disease
Diabetes mellitus (types 1 and 2)
Hypothyroidism

WOMEN'S HEALTH

Premenstrual dysphoric disorder
Antepartum/postpartum
Perimenopause

OTHER

Chronic fatigue syndrome
Chronic pain syndrome(s)
Fibromyalgia
Irritable bowel syndrome
Malignancies (various)
Migraine headaches
Rheumatoid arthritis
Systemic lupus erythematosus

TABLE 83.2 Selected Medications that May Induce Depression

CARDIOVASCULAR AGENTS

β -Blockers^a (?)
Clonidine
Methyldopa
Reserpine

CENTRAL NERVOUS SYSTEM

Barbiturates
Chloral hydrate
Ecstasy (MDMA)
Ethanol
Varenicline

HORMONAL AGENTS

Anabolic steroids
Corticosteroids
Gonadotropin-releasing hormone
Progestins
Tamoxifen

OTHERS

Efavirenz
Interferon
Isotretinoin
Mefloquine
Levetiracetam

^aLipophilic β -blockers (e.g., propranolol) may have higher risk but data are conflicting.

TABLE 83.7 Complementary and Alternative Medicine Treatments for Depression

Treatment Regimen	Efficacy	Toxicity	Dosing	Drug Interactions	Other Health Benefits
St. John's wort	Monotherapy: superior to placebo, comparable to antidepressants; best studied for mild–moderate depression Augmentation: no data available	Agitation, mania, sun sensitivity	900 mg PO daily (divided)	CYP3A4 inducer; weak evidence of 5-HT syndrome	—
S-Adenosyl-L-Methionine	Monotherapy: superior to placebo, comparable to antidepressants Augmentation: superior to placebo	Nausea, skin rashes, hypoglycemia, theoretical ↑ homocysteine levels	800–1,600 mg PO daily	One probable case of 5-HT syndrome (with clomipramine)	Osteoarthritis
Omega-3 Fatty Acids	Monotherapy: limited data available Augmentation: majority of trials positive	Fishy taste, regurgitation	1–2 g PO daily (EPA + DHA)	None	↓ CV risk; ↓ risk of obstetric complications
Folate	Monotherapy: no evidence available Augmentation: limited number of studies but positive results (especially in women); Methylfolate preferred due to superior CNS penetration (?)	Well tolerated; may mask pernicious anemia	Folic acid: 200–500 mg PO daily Methylfolate: 15–50 mg PO daily	None	Other health benefits: ↓ risk of pregnancy complications; reverse folate deficiency

5-HT, serotonin; CNS, central nervous system; CV, cardiovascular; CYP, cytochrome P-450; DHA, docosahexaenoic acid; EPA, eicosapentaenoic acid; PO, orally.

Source: Adapted with permission from Freeman MP et al. Complementary and alternative medicine in major depressive disorder: the American Psychiatric Association Task Report. *J Clin Psychiatry*. 2010;71:669.

Factors to Consider in Selecting an Anti-Depressant

TABLE 83.8 Factors to Consider in Selecting an Antidepressant

- History of prior response (personal or family member)
- Safety in overdose
- Adverse effect profiles
- Patient age
- Concurrent medical/psychiatric conditions
- Concurrent medications (e.g., potential for drug interactions)
- Convenience (e.g., minimal titration, once-daily dosing)
- Cost
- Patient preference

TABLE 83.9 Pharmacology of Antidepressant Medications

Medication	Serotonin	Norepinephrine	Dopamine	Bioavailability (Oral)	Protein Binding	Half-Life (hours) (Active Metabolite)
SELECTIVE SEROTONIN REUPTAKE INHIBITORS						
Fluoxetine	++++	0/+	0	80%	95%	24–72 (146)
Sertraline	++++	0/+	+	>44%	95%	26 (66)
Paroxetine	++++	+	0	64%	99%	24
Citalopram	++++	0	0	80%	<80%	33
Escitalopram	++++	0	0	80%	56%	27–32
SEROTONIN NOREPINEPHRINE REUPTAKE INHIBITORS						
Venlafaxine	++++	+++	0	92%	25%–29%	4 (10)
Desvenlafaxine	+++	+++	0	80%	30%	11 (0)
Duloxetine	++++	++++	0	50%	>90%	12 (8–17)
NOREPINEPHRINE REUPTAKE INHIBITORS						
Bupropion	0/+	+	+	>90%	85%	10–21
TRICYCLIC ANTIDEPRESSANTS						
Desipramine	+	++++	0/+	51%	90%	12–28
Nortriptyline	++	+++	0	46%–56%	92%	18–56
Amitriptyline	++++	++++	0	37%–49%	95%	9–46 (18–56)
Imipramine	+++	++	0/+	19%–35%	95%	6–28 (12–28)
Doxepin	+++	+	0	17%–37%	68%–85%	11–23
OTHERS						
Mirtazapine	+++	++++	0	50%	85%	20–40

0, negligible; +, very low; ++, low; +++, moderate; +++++, high.

TABLE 83.11 Adverse Effects of Antidepressant Medications

Medication	Sedation	Agitation/ Insomnia	Anticholinergic Effects	Orthostasis	GI Effects (Nausea/ Diarrhea)	Sexual Dysfunction	Weight Gain
SELECTIVE SEROTONIN REUPTAKE INHIBITORS							
Fluoxetine	+	++++	0/+	0/+	++++	++++	+
Sertraline	+	+++	0/+	0	+++	+++	+
Paroxetine	+++	++	++	0	+++	++++	+++
Citalopram	++	++	0/+	0	+++	+++	+
Escitalopram	+	++	0/+	0	+++	+++	+
SEROTONIN NOREPINEPHRINE REUPTAKE INHIBITORS							
Venlafaxine (Effexor)	++	++	+	0	+++	+++	+
Desvenlafaxine (Pristiq)	++	++	+	+	+++	++	0/+
Duloxetine (Cymbalta)	++	++	+	0	+++	++	0/+
NOREPINEPHRINE REUPTAKE INHIBITORS							
Bupropion (Wellbutrin)	0	+++	+	0	+	0/+	0
TRICYCLIC ANTIDEPRESSANTS							
Desipramine (Norpramin)	++	+	++	+++	0/+	+	++
Nortriptyline (Pamelor)	++	+	++	++	0/+	+	++
Amitriptyline (Elavil)	++++	0/+	++++	++++	0/+	++	+++
Imipramine (Tofranil)	+++	0/+	+++	++++	0/+	++	++
Doxepin (Sinequan)	++++	0/+	++++	++++	0/+	++	++
OTHERS							
Mirtazapine (Remeron)	+++++	0	++	0/+	+	0/+	+++

Management of SSRI-Induced Sexual Dysfunction

TABLE 83.14 Management of SSRI-Induced Sexual Dysfunction

- Patience (may improve after 2–4 weeks)
- Reduced dosage (if possible)
- Drug holidays (sertraline, paroxetine, citalopram, escitalopram only)
- Antidotes
 - Bupropion SR 150 mg daily to BID
 - Sildenafil 50–100 mg daily PRN
 - Mirtazapine 7.5–15 mg at bedtime
 - Cyproheptadine 4–12 mg PRN (1 hour prior)
 - Methylphenidate 2.5–5.0 mg daily
 - Others: yohimbine, amantadine, buspirone, ginkgo
- Change of antidepressants (e.g., bupropion, mirtazapine)

TABLE 83.16 Drug Interactions of the Cytochrome P-450 System

Relative Rank	CYP1A2	CYP2C9/19	CYP2D6	CYP3A4
OFFENDING AGENT (INHIBITS ENZYME)				
High	Fluvoxamine	CYP2C9 Fluoxetine Fluvoxamine CYP2C19 Fluvoxamine	Paroxetine Fluoxetine Duloxetine Bupropion	Fluoxetine (norfluoxetine) Fluvoxamine
Moderate	Fluoxetine Paroxetine	CYP2C19 Fluoxetine Sertraline	Citalopram Escitalopram Sertraline	
Low	Citalopram Escitalopram Sertraline Venlafaxine Duloxetine Bupropion	CYP2C9/19 Citalopram Escitalopram Paroxetine Sertraline Venlafaxine	Venlafaxine Mirtazapine	Citalopram Escitalopram Paroxetine Sertraline Venlafaxine Desvenlafaxine Duloxetine
OTHER INHIBITORS				
	Quinolones (ciprofloxacin, enoxacin, etc.) Macrolides (erythromycin, clarithromycin) Grapefruit juice	Modafinil (2C9, 2C19) Cimetidine (2C19) Omeprazole (2C19) Imidazoles (2C9, 2C19) (ketoconazole, fluconazole)	Fenfluramine Yohimbine Methadone Quinidine Celecoxib	Macrolides (erythromycin, clarithromycin) Cimetidine CCB (verapamil, diltiazem) Imidazoles (ketoconazole, fluconazole) Protease inhibitors Grapefruit juice

Continued on following page

TABLE 83.16 Drug Interactions of the Cytochrome P-450 System (Continued)

Relative Rank	CYP1A2	CYP2C9/19	CYP2D6	CYP3A4
OTHER INDUCERS				
	Cigarettes Caffeine	St. John's wort	Modafinil Phenytoin and phenobarbital Carbamazepine Rifampin Prednisone Testosterone	St. John's wort
	St. John's wort			
AFFECTED AGENT (INCREASED CONCENTRATION)				
	TCA-tertiary amines (imipramine, amitriptyline) Phenothiazines (chlorpromazine) Thiothixene Haloperidol Clozapine Olanzapine Caffeine	CYP2C9 Phenytoin Tolbutamide Warfarin NSAIDs CYP2C19 TCA-tertiary amines (imipramine, amitriptyline)	TCA-secondary amines (desipramine, nortriptyline) Fluoxetine Paroxetine Venlafaxine Duloxetine Amphetamines Atomoxetine	Fluoxetine Sertraline Venlafaxine Modafinil Quetiapine Ziprasidone Aripiprazole
	Theophylline Propranolol	Citalopram Barbiturates	Risperidone Donepezil	Buspirone Benzodiazepines (triazolam, alprazolam) Zolpidem Carbamazepine Donepezil CCB (verapamil, diltiazem, nifedipine)
	Tacrine	Propranolol Omeprazole	Codeine Hydrocodone Tramadol Dextromethorphan Chlorpheniramine β -Blockers (propranolol, metoprolol)	Sex hormones (estrogen) Corticosteroids Statins (lovastatin, simvastatin) Protease inhibitors Sildenafil

CCB, calcium-channel blockers; NSAIDs, nonsteroidal anti-inflammatory drugs; TCA, tricyclic antidepressant.

TABLE 83.17 Medications Associated with Serotonin Syndrome

MOST COMMONLY ASSOCIATED^a

Monoamine oxidase inhibitors (selegiline, phenelzine, tranylcypromine)

COMMONLY ASSOCIATED^a

SSRI (all)

SNRI (all)

Clomipramine

Sibutramine

OCCASIONALLY ASSOCIATED^a

Tramadol

Meperidine

Linezolid

Dextromethorphan (high dose)

^aThe combination of any two medications from these categories should be strongly discouraged.

TABLE 83.18 Foods Containing Tyramine

HIGH AMOUNTS OF TYRAMINE^a

Smoked, aged, or pickled meat or fish
Sauerkraut
Aged cheeses (e.g., Stilton, blue cheese)
Yeast extracts (e.g., marmite)
Fava beans

MODERATE AMOUNTS OF TYRAMINE^b

Beer (microbrewed > commercial)
Avocados
Meat extracts
Red wines such as Chianti

LOW AMOUNTS OF TYRAMINE^c

Caffeine-containing beverages
Distilled spirits
Chocolate
Soy sauce
Cottage and cream cheese
Yogurt and sour cream

^aMay not consume.

^bMay consume in moderation.

^cMay consume.

Source: Adapted with permission from Shulman KI et al. Dietary restriction, tyramine, and the use of monoamine oxidase inhibitors. *J Clin Psychopharmacol.* 1989;9:397.

FDA Web Address: irc.fda.gov.ir

عنوان دارو

جستجو

fluoxetine

جستجوی دارو
سازمان غذا و دارو

نتیجه جستجو

فلوکستین کپسول خوراکی ۲۰ mg (کپسول فلوکستین (بصورت هیدروکلراید))

(FLUOXETINE (AS HYDROCHLORIDE) CAPSULE ORAL 20 mg)FLUOXETINE CAPSULE ORAL 20 mg

صاحب برند : پارس دارو

صاحب پروانه : پارس دارو

بسته بندی : 100 CAPSULE in 10 BLISTER PACK in 1 BOX

کد فرآورده : ۹۷۷۸۷۵۰۶۸۰۵۹۷۲۲۴

قیمت هر بسته : ۱,۲۷۰,۰۰۰ ریال

کد ژنریک : ۵۵۱



فلوکستین کپسول خوراکی ۱۰ mg (کپسول فلوکستین (بصورت هیدروکلراید))

(FLUOXETINE (AS HYDROCHLORIDE) CAPSULE ORAL 10 mg)FLUOXETINE CAPSULE ORAL 10 mg

صاحب برند : داروسازی تهراندارو

صاحب پروانه : داروسازی تهراندارو

بسته بندی : 100 CAPSULE in 10 BLISTER PACK in 1 BOX

کد فرآورده : ۴۲۲۸۶۴۹۳۹۲۶۹۹۴۹۴

قیمت هر بسته : ۹۵۶,۰۰۰ ریال

کد ژنریک : ۱۵۱۲



فلوکستین قرص خوراکی ۱۰ mg (قرص فلوکستین (بصورت هیدروکلراید))

(FLUOXETINE (AS HYDROCHLORIDE) TABLET ORAL 10 mg)FLUOXETINE TABLET ORAL 10 mg

صاحب برند : داروسازی خوارزمی

صاحب پروانه : داروسازی خوارزمی

بسته بندی : 100 TABLET in 10 BLISTER PACK in 1 BOX

کد فرآورده : ۱۱۴۲۸۶۴۵۷۷۴۰۷۶۷۲

قیمت هر بسته : - ریال

کد ژنریک : ۵۳۰۶۳

