

ANTIDEPRESSANT (AD) DRUG INTERACTIONS

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Column 1 AD	Column 2- AVOID	Combination with:	Column 3- CAUTION:	MINIMIZE RISK	(dose adjustment; monitor effects) with:		
citalopram CELEXA	moclobemide ②③		buspirone ③	carbamazepine ⑥⑨	cimetidine ⑧ metoprolol ⑥		
fluoxetine PROZAC	cisapride ⑥② _{cv} dextfenfluramine & fenfluramine ③ L-tryptophan ③ MAOI's ③	selegiline ③ sibutramine ③ sumatriptan ③ thioridazine ⑥②	alprazolam ⑥ amitriptyline ⑥ beta blocker ⑥ (Alenolol unaffected) buspirone ③ carbamazepine ⑥ carvedilol ⑥ codeine ⑥ (↓ pain control) cyclobenzaprine ⑥②	cyproheptadine (↓ effect of Prozac) desipramine ⑥② dextromethorphan ③ diazepam ⑥ digoxin ⑥② doxepin ⑥② flecainide ⑥② furosemide ②↓ _{Na+} /SIADH	haloperidol ② _{EPS} imipramine ⑥②③ labetalol ⑥ lithium ③⑥ or ⑦ lovastatin & simvastatin ⑥ (rhabdo) L-tryptophan ③ metoprolol ⑥ mexiletine ⑥②	midazolam ⑥ nifedipine ⑥② nortriptyline ⑥② perphenazine ⑥ phenytoin ⑥② pindolol ⑥ propafenone ⑥② propranolol ⑥	risperidone ⑥ ritonavir ⑥② TCA's ⑥ timolol ⑥ trazodone ⑥③ verapamil ⑥② warfarin ⑥
fluvoxamine LUVOX	cisapride ⑥② _{cv} clozapine ⑥② dextfenfluramine & fenfluramine ③ MAOI's ③	selegiline ③ sibutramine ③ sumatriptan ③ tacrine ⑥② theophylline ⑥ thioridazine ⑥②	alprazolam ⑥ amitriptyline ⑥ caffeine ⑥ calcium channel bl. ⑥ carbamazepine ⑥	clomipramine ③ desipramine ⑥ diazepam ⑥ grapefruit juice ⑧ haloperidol ⑥ imipramine ⑥	lithium ③⑥ or ⑦ L-tryptophan ③ methadone ⑥ mexiletine ⑥② midazolam ⑥	nifedipine ⑥② olanzapine ⑥② propranolol ⑥ quinidine ⑥② rifampin ⑨	smoking ⑨ theophylline ⑥② methadone ⑥ verapamil ⑥② warfarin ⑥
paroxetine PAXIL	dextfenfluramine & fenfluramine ③ MAOI's ③	selegiline ③ sibutramine ③ sumatriptan ③ thioridazine ⑥②	amitriptyline ⑥① anticholinergics ① beta blockers ⑥ bupropion ⑧ carvedilol ⑥ cimetidine ⑧ codeine ⑥ (↓ pain control)	desipramine ⑥ dextromethorphan ③ doxepin ⑥ flecainide ⑥② furosemide ②↓ _{Na+} /SIADH haloperidol ② _{EPS} imipramine ⑥	labetalol ⑥ lithium ③ L-tryptophan ③ metoprolol ⑥ mexiletine ⑥② nefazodone ③ nortriptyline ⑥	perphenazine ⑥ phenytoin ⑨⑥ pindolol ⑥ procyclidine ⑥ propafenone ⑥② propranolol ⑥ risperidone ⑥	ritonavir ⑧ timolol ⑥ tramadol ③④ trazodone ⑥ TCA's ⑥ warfarin ⑥
nefazodone SERZONE	cisapride ⑥② _{cv} lovastatin ⑥ (rhabdo) MAOI's ③	sibutramine ③ simvastatin ⑥ (rhabdo) sumatriptan ③	alprazolam ⑥ atorvastatin ⑥ cyclosporin ⑥ carbamazepine ⑨⑥	digoxin ⑥ fluvastatin ⑥ grapefruit juice ⑧ haloperidol ⑥	indinavir/ritonavir ⑧ L-tryptophan ③ midazolam ⑥ paroxetine ③	phenytoin ⑨⑥ pimozide ⑥ cv pravastatin ⑥ quinidine ⑥②	sedatives ① tacrolimus ⑥② triazolam ⑥
sertraline ZOLOFT	dextfenfluramine & fenfluramine ③ MAOI's ③	pimozide ⑥② selegiline ③ sibutramine ③ sumatriptan ③	carbamazepine ⑨⑥ erythromycin ⑧③	furosemide ②↓ _{Na+} /SIADH grapefruit juice ⑧ lithium ③	L-tryptophan ③ phenytoin ⑨⑥	ritonavir ⑧ St. John's Wort ③	tramadol ③④ warfarin ⑥
trazodone DESYREL	moclobemide ②③ MAOI's ②③	sibutramine ③ sumatriptan ③	buspirone ③ carbamazepine ⑨ chlorpromazine ① (hypotension)	cimetidine ⑧ clonidine ④ digoxin ⑥	fluoxetine ③ hypotensives ① _{BP} indinavir/ritonavir ⑧ ③A4	ketoconazole ⑧ ③A4 lithium ③ L-tryptophan ③	phenytoin ⑥ sedatives ① venlafaxine ③
TCA's - 1° amitriptyline, clomipramine, doxepin, imipramine	clonidine ④ epinephrine ② guanethidine ④ MAOI's ②③	moclobemide ②③	anticholinergics/1° ② carbamazepine ⑨⑥ chlorpromazine ①⑧ chlorpropamide ⑤ cholestyramine ⑨ cimetidine ⑧ diltiazem ⑤ (hypotension)	ethanol ② fluconazole ⑧ fluoxetine ⑧ fluphenazine ①⑧ fluvoxamine ⑧ (clomip) grapefruit juice ⑧ (clomip) indinavir ⑧ (desip)	isoproterenol ② _{cv} lithium ③ (neuro) L-tryptophan ③ (clomip) perphenazine ①⑧ phenobarb/primidone ②⑨ phenylephrine & sympathomimetics ② _{cv}	phenytoin ⑨ propranolol ② _{ACH} propoxyphene ⑧ (doxepin) propafenone ⑥② (desip) propranolol ⑤ quinidine ⑧ (desip/imip) rifampin ⑨	ritonavir ⑧ (desip) sedatives ① SSRI ③ (1°TCA) trifluoperazine ①⑧ valproic acid ⑧ venlafaxine ⑧ verapamil ② _{cv}
mirtazapine REMERON	MAOI's ② clonidine ④ (HTN crisis)	desipramine fatal in OD ② sibutramine ③	cimetidine ⑧ ethanol ②				
venlafaxine EFFEXOR	MAOI's ② sibutramine ③		cimetidine ⑧ desipramine ⑥	imipramine ⑥ moclobemide ③	selegiline ③ SSRI's ①③	TCA's ②③	
bupropion WELLBUTRIN/ ZYBAN	MAOI's ② thioridazine ⑥②		other drugs affecting seizure threshold ② amantadine ② CNS	cimetidine ⑧ carbamazepine ⑨ cyclophosphamide ⑥②	desipramine ⑥ ifosfamide ⑥② levodopa ①	orphenadrine ⑥ phenobarbital ⑨ phenytoin ⑨	rifampin ⑨ SSRIs ⑧ TCAs ⑧
moclobemide MANERIX	amitriptyline ②③ atomoxetine ② clomipramine ②③ citalopram ②③ dextromethorphan ③	ephedrine ② _{BP} imipramine ②③ meperidine ② phenylpropanolamine ② _{BP}	pseudoephedrine ② _{BP} rizatriptan ⑥③ (naratriptan less affected) thioridazine ⑥② trazodone ③	antihypertensives ② antipsychotics ② cimetidine ⑧	levodopa ③ opioids ③ (morphine slightly safer) selegiline ③		SSRI's ③ tyramine ② (↑ BP @ ↑ dose)
MAOI's phenelzine NARDIL tranylcypromine PARNATE	atomoxetine ② bupropion ② clomipramine ②③ dextfenfluramine & fenfluramine ③ dextromethorphan ③ ethanol ② lithium ③	meperidine ② methotrimeprazine ② methyphenidate ② phenylephrine ② _{BP} phenylpropanolamine ② _{BP} pseudoephedrine ② _{BP} reserpine ② (hypertension) rizatriptan ⑥③	sumatriptan ⑥③ SSRI's ③ TCA's ②③ tramadol ②③ trazodone ③ venlafaxine ②③ zolmitriptan ⑥③	chlorpropamide ⑤ insulin ⑤ levodopa ② moclobemide ②	morphine ② tolbutamide ⑤ tyramine ② (↑ BP @ small dose)	Many other MAOI interactions possible!	

① increased side effects ② increased risk of toxicity ③ risk of serotonin syndrome ④ reduced effect column 2 or 3 drug ⑤ increased effect of column 2 or 3 drug
 ⑥ metabolic: ↑ level of column 2 or 3 drug ⑦ metabolic: ↓ level of column 2 or 3 drug ⑧ metabolic: ↑ level of column 1 AD ⑨ metabolic: ↓ level of column 1 AD
Ref: 1.Hansten & Horn-Drug Interactions 2004. 2.AHFS 2004. 3.Bezchlibnyk-Butler K. Serotonergic antidepressants: Drug response & drug interactions. Pharmacy Practice, Aug/98. 4.CPS 2004. 5.Micromedex 2004. 6. Guidelines for Depressive Disorders. Cnd J Psych Jun/01
 7. Patsalos PN, Perucca E. Clinically important drug interactions in epilepsy: interactions between antiepileptic drugs and other drugs. Lancet Neurol. 2003 Aug;2(8):473-81. CV=cardiovascular HTN=hypertension