

Table 1. Drugs known to interfere or suspected of interfering with MIBG (modified from EANM procedure guidelines 2010)¹⁴

Mechanism of interactions	Drug category	Active substance	Time of withdrawal
Uptake-one inhibition	Alkaloid	cocaine	24 hrs
	Tricyclic antidepressants	amitriptyline, amoxapine, clomipramine, desulepin, doxepin, imipramine, lofepramine, nortriptyline, trimipramine	24-48 hrs
	Tricyclic-related antidepressants	maprotiline, mianserin, trazodone, venlafaxine, mirtazepine, reboxetine	
	Antipsychotics	chlorpromazine, benperidol, flupentixol, fluphenazine, haloperidol, levomepromazine, pericyazine, perphenazine, pimozide, pipotiazine, prochlorperazine, promazine, sulphiride, thioridazine, trifluoperazine, zuclopenthixol, amisulpride, clozapine, olanzapine, quetiapine, risperidone, sertindole, zotepine, promethazine	48 hrs or 1 month for depot
	CNS stimulants	atomoxetine	5 days
	Vasoconstrictor sympathomimetics	ephedrine	24 hrs
	Opioid analgesic	tramadol	24 hrs
Depletion of content from neurosecretory vesicles	Inotropic sympathomimetics	dobutamine, dopamine, dopexamine	24 hrs
	Vasoconstrictor sympathomimetics	metaraminol, norepinephrine, phenylephrine	24 hrs
	β_2 stimulants (sympathomimetics)	salbutamol, terbutaline, eformoterol, bambuterol, fenoterol, salmeterol	24 hrs
	Other adrenoceptor stimulants	orciprenaline	24 hrs
	Systemic and local nasal decongestants, compound cough and cold preparation	pseudoephedrine, phenylephrine, xylometazoline, oxymetazoline	24-48 hrs
	CNS stimulants	amphetamines, e.g. dexamfetamine	48 hrs
	Sympathomimetics for glaucoma	brimonidine, dipivefrine	48 hrs
	Mixed (uptake-one inhibition; depletion of content from neurosecretory vesicles)	α - β blockers	labetalol
antiarrhythmics for ventricular arrhythmias		amiodarone	not practical to withdraw
Mixed (inhibition of active vesicular transport; depletion of content from neurosecretory vesicles)	Adrenergic neuron blockers	bretylium, guanethidine, reserpine	48 hrs
Mixed (calcium-mediated; other, possible, unknown mechanisms)	Calcium channel blockers	amlodipine, diltiazem, felodipine, isradipine, lacidipine, lercanidipine, nicardipine, nifedipine, nimodipine, nisoldipine, verapamil	24-48 hrs
Other, possible, unknown mechanisms	α -blocker	phenoxybenzamine (I.V. doses only)	15 days
	CNS stimulants	methylphenidate, modafinil, caffeine	24-72 hrs