

Meds That Can Increase Blood Pressure

Updated September 2025

--List not all-inclusive--

Acetaminophen	- Limit to <4 g/day in patients with HTN.¹ - Scheduled doses (1,000 mg PO four times daily for ~2 weeks) in patients with HTN increased SBP ~5 mm Hg vs placebo [Evidence Level B-1].⁷ - It is unknown if patients without HTN are affected; if lower doses/shorter durations affect BP; if BP elevation persists with long-term use; or if CV risk is affected.⁸
ADHD stimulants (e.g., methylphenidate, amphetamines, atomoxetine ²)	Management: consider dose reduction or switching to a nonstimulant (e.g., clonidine ER [US], guanfacine ER).¹ See our charts, Comparison of ADHD Medications (US) (Canada) for help.
Antiandrogens	Most common with abiraterone, apalutamide, enzalutamide (≥10% incidence).¹⁷
Bupropion	- Product labeling carries a warning about BP elevation, but data are conflicting.^{3,5,6} - BP elevation may be more common when used with nicotine for smoking cessation.²
Caffeine	- Limit to <300 mg/day in patients with HTN, or one cup/day if HTN is severe and uncontrolled.¹ - Caffeine intake of about 200 to 300 mg (1 to 2 cups of coffee) may increase SBP by about 8 mm Hg and DBP by about 6 mm Hg.⁴ - Effects may be more evident within 2 to 3 hours of periodic use, as tolerance to BP elevations seems to occur with regular caffeine intake (e.g., daily coffee).⁴
Calcineurin Inhibitors (cyclosporine, tacrolimus [not topical ²])	Management. Consider: - switching from cyclosporine to tacrolimus (lesser effect on BP).¹ - use of a thiazide (monitor for prerenal uremia) or DHP CCB to treat HTN.¹²
CGRP antagonists	- Erenumab (Aimovig)(and possibly other CGRP antagonists) has been associated with new or worsening hypertension.¹⁹ - Onset is often within the first week of treatment.²
Clonidine	- Consider clonidine patch over immediate-release oral clonidine due to higher risk of rebound HTN if discontinued without tapering.^{1,18} - See our chart, Common Oral Medications that May Need Tapering, for help
Corticosteroids	- Consider nonsystemic alternative (e.g., topical, inhaled).¹ - Use lowest effective dose for shortest duration necessary.¹³ - Consider a diuretic, ACEI, or ARB to treat HTN.⁴
Dietary supplements (e.g., ephedra, black licorice [Glycyrrhiza glabra], blue cohosh [Caulophyllum thalictroides], bitter orange [Citrus aurantium], hoodia [Hoodia gordonii])	Management: discontinue.¹ - See our NatMed database for help identifying other supplements' effects on BP.
Erythropoietin	- Common (10% to 20% of patients). Usually starts two weeks to 4 months after starting treatment.¹⁵ May be temporary in some patients.¹⁵ Management. Consider:¹⁵ - antihypertensive(s). - dose reduction or temporary discontinuation. - switch from intravenous to subcutaneous route
Estrogen-containing contraceptives	See our chart, Choosing a Contraceptive and Emergency Contraception for information on use in patients with HTN, and alternatives.
Ethanol	Limit to 1 drink/day for women or 2 drinks/day for men.¹
Lasmiditan	BP may transiently increase for one to two hours post-dose.²
NSAIDs	- Avoid in patients with HTN, if possible.¹ Consider topical diclofenac instead.¹ Management. Consider: - dose reduction.⁴ - switching to celecoxib (lower risk).⁹ - use of a thiazide or DHP CCB (e.g., amlodipine, felodipine) to treat HTN.^{10,11}
Pseudoephedrine	- Limit to shortest duration necessary.¹ - Avoid if HTN is severe or uncontrolled.¹
Testosterone	- Avoid if HTN is uncontrolled.² - Monitor BP in all patients, especially those with HTN.² - Topical products have less of an effect on BP than oral or injectable products.²
Tizanidine	- Risk of rebound HTN if discontinued without tapering.¹ - Generally reserve for spasticity; consider alternate muscle relaxants (e.g., cyclobenzaprine).^{1,14} See our chart, Muscle Relaxants, for more alternatives. - See our chart, Common Oral Medications that May Need Tapering, for tapering help.
VEGF inhibitors (e.g., bevacizumab, sorafenib, sunitinib)	- Risk varies among agents, but is very common, occurs within hours to days, and can be severe.¹⁶ Management: - Advise patients to monitor BP at home daily during the first cycle or dosage increase, then every two to three weeks.¹⁷ - Consider with an ACEIs, ARBs, or DHP CCB to treat HTN.¹⁶ - When VEGF inhibitor treatment is stopped, reduce/stop antihypertensive therapy as appropriate.¹⁷
Venlafaxine	- May increase DBP by up to 15 mm Hg.² Management. Consider: - dose reduction.² - switching from immediate-release to extended-release venlafaxine.³ - switching to duloxetine (low risk with therapeutic doses) or SSRI (unlikely to significantly increase blood pressure).^{1,3}
Weight Loss Meds (diethylpropion, phentermine)	- Monitor blood pressure.² - Avoid in severe hypertension.²

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Abbreviations: ADHD = attention deficit hyperactivity disorder; BP = blood pressure; CCB = calcium channel blocker; CGRP = calcitonin gene-related peptide; DBP = diastolic blood pressure; DHP = dihydropyridine; NSAID = nonsteroidal anti-inflammatory drug; MAP = mean arterial pressure; SBP = systolic blood pressure; VEGF = vascular endothelial growth factor

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