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Hydralazine iv to oral conversion

IV: When urgent need, treatment in the hospitalized patient can be initiated intramuscularly or as a rapid intravenous bolus injection directly into the vein. Hydralazine hydrochloride injection should only be used when the medicinal product cannot be administered orally. The usual dose is 20 to 40 mg, repeated as needed. Some patients (especially those with marked kidney damage) may require a lower dose. Blood pressure should be checked frequently. It can start to fall within a few minutes after injection, with the average maximum reduction occurring in 10 to 80 minutes. In cases where there has been increased intracranial pressure, lowering blood pressure can increase cerebral ischemia. Most patients can be transferred to oral hydralazine hydrochloride within 24 to 48 hours. The product should be used immediately after opening the vial. The product should not be added to infusion solutions. Hydralazin hydrochloride injection can be discoloured upon contact with metal; discoloured solutions should be discarded. Parenteral medicinal products should be inspected visually for particulate matter and discoloration prior to administration, when dissolving and container permitting. Oral: Initiate treatment in gradually increasing doses; adjusted according to individual response. Start with 10 mg four times a day for the first 2 to 4 days, increasing to 25 mg four times a day for the balance in the first week. For the second and subsequent weeks, increase the dose to 50 mg four times a day. For maintenance, adjust dosage to the lowest effective levels. The incidence of toxic reactions, especially L.E. cell syndrome, is high in the group of patients receiving large doses of hydralazine. In a few resistant patients, up to 300 mg of hydralazine daily may be required for a significant antihypertensive effect. In such cases, a lower dose of hydralazine combined with thiazide and/or reserpine or a beta blocker may be considered. But when combining therapy, individual titration is essential to ensure the lowest possible therapeutic dose of each drug. HTN: Basically 10 mg qid - increase by 10-25 mg/dose q 2-5 days (maximum: 300 mg/day). Acute hypertension: Basically 10-20 mg IM/IV q 4-6 hours per. May increase to 40 mg/dose (switch to oral therapy as soon as possible). CHF: Basically 10 to 25mg oral 3-4 times / day. Maintenance: Usually 200 to 600 mg daily in 2-4 divided doses. [>50 ml/min]: No changes [10-50]: Give regular dose q8h or less. [<10]: Give q8-16 hours in fast acetylene and q12-24 hours in slow acetyls. Give q8 to 16 hours in fast acetyles and q 12-24 hours in slow acetyles. The National Institutes of Health, U.S. National Library of Medicine, DailyMed Database.Provides access to the latest drug monographs submitted to the Food and Drug Administration (FDA). Please review the latest current packing insert for further information and Updates. You can find a local search option for this data here. AdultPediatricDosage Forms & Strengthens injectable solution tablets 10 mg PO q6hr for 2-4 days; 25 mg q6t daily for the first week; increase to 50 mg q6hr for the second week on; adjust the dose to the lowest effective levels 20-40 mg IM/IV; repeat as needed Dosage considerations Change to oral treatment as soon as possible Hypertension (Chronic) Initial: 10 mg PO q6t for 2-4 days; may increase gradually by 10-25 mg/dose every 2-5 days up to 50 mg PO q6t (some patients require 300 mg/day) See also combination with isosorbid dinitrate Hypertensive Crisis 10-40 mg IV/IM; not to exceed 20 mg / dose; repeat PRN Pregnancy-associated 5-10 mg IV/IM initially, THEN 5-10 mg q20-30min PRN, OR 0.5-10 mg/hour IV infusion Congestive heart failure Starting dose: 10-25 mg PO q6-8hr; titrate dose q2-4weeks Maintenance dose: 225-300 mg/day PO divided q6-8hr Dosing considerations Adjust the dose per individual response Dosage forms and strengthen injectable solution tablets 1.7-3.5 mg/kg/day IM or IV divided into 4-6 doses. Heart failure, Infants with postload reduction: 0.1-0.5 mg/kg/dose IV q6-8h; not exceed 2 mg/kg/dose Children and adolescents: 0.15-0.2 mg/kg/dose IV q4-6h; not exceed 20 mg/dos Oral administration Infants and the elderly: 0.75-3 mg/kg/day PO divided q6-12 h; not exceed 200 mg/day or 7 mg/kg/day Hypertensive crisis Infant or elderly: 0.1-0.2 mg/kg IV/IM q4-6 h PRN initially; may increase to the usual dose of 1.7-3.5 mg/kg/day divided q4-6h; not exceed 20 mg/dose IM or IV or 2 mg/kg q3-6h at cumulative dose not to exceed 9 mg/kg Hypertension (chronic) Specialization: 0.75-1 mg/kg/day PO divided q6-12 t Maximum dose in infants (Maximum dose in children (> 1 year): 7.5 mg/kg/day PO divided q6-12hr; not to exceed 200 mg / day Increase gradually over 3-4 weeks No interactions Found Interactions FoundContraindicatedSerious - Use AlternativeSignificant - Monitor CloselyMinorAll Interactions Sort by: SeverityName Hypotension Palpitations Patisserie Tachycardia Headache Peripheral Edema Vascular Collapse Peripheral Neuropathy Anorexia Diarrhea Nausea Vomiting Psychotic Reaction Agranulocytosis Leukopeni Hepatotoxicity Breast Pain Dyspnoea Nasal density Paralysis ileus Dysurea Thrombocytopenia Peripheral neuritis Rheumatoid arthritis Agranulocytosis Arthralgia SLE syndrome Hypersensitivity to hydralazin Coronary artery disease Mitral valve rheumatic heart disease Ants may induce SLE-type syndrome (usually at >200 mg /day); instruct patients to report joint/chest pain or fever; discontinue treatment unless the benefits outweigh the risks; steroid therapy may be necessary long-term use caution in CVA , severe renal impairment, volume depletion, existing hypotension, concurrence with other hypotensive agents, CAD (potential contraindication) Be careful with mitral valvular may increase the pulmonary artery pulmonary artery Discontinue slowly to avoid rapid increase in blood pressure Use with caution in patients with pulmonary hypertension; may cause hypotension Increases fluid and sodium retention; may require treatment or increase in diuatriac dose Peripheral neuritis, including numbness, paresthesia and tingling, reported; treat symptoms with pyridoxine Blood dyscarias, including decrease in the number of red blood cells, agranulocytosis, leukopenia, reported in treatment; discontinue treatment if any of the haematological effects occur Pregnancy category: C Breastfeeding: Excreted in breast milk; be carefulPregnancy category A: Generally acceptable. Controlled studies in pregnant women show no evidence of foetal risk. B: May be acceptable. Either animal studies show no risk, but human studies that are not available or animal studies showed less risk and human studies made and showed no risk. C: Use with caution if the benefits outweigh the risks. Animal studies show risks and human studies that are not available or neither animal nor human studies done. D: Use in life-threatening emergencies when no safer substance is available. Positive evidence of human foetal risk. X: Do not use during pregnancy. The risks involved outweigh potential benefits. There are safer options. NA: Information is not available. Direct vasodilator; expands arteriols with little effect on the vein; reduces systemic resistance, which subsequently reduces blood pressure. Absorption Bioavailability: Slow acetylene: 30-50%; rapid acetylene: 22-30% Eruption: 5-20 min, maximum power 10-80 min (IV); 20-30 min (PO) Duration: 3-8 hr (PO); 1-4 hr (IV) Distribution Protein bound: 85-90% Vd: 0.3-8.2 L/kg Metabolism Significantly metabolized in the liver by acetylation; slow and fast acetyler metabolites: Fensanzine and pyruvic acid hydrozone metabolites (inactive metabolite) Elimination Half-life: 2-8 hours (normal renal function); 7-16 hours (end stage renal disease) Excretion: Urinary (14%; unchanged) Pharmacogenomi HLA-DRw4 is shown in 73% of patients experiencing hydralazin-associated SLE solution: D5W, D10/LR, fructose 10%, fructose 10%/NS Additive: Aminofylline, amphibianline, chlorothiazide, dobutamine, CaNa2EDTA, ethacrynate, hydrocortisone sodium succinate, mephentermine, meohexital, nitroglycerin, phenobarbital, verapamil Y-site: Aminophylline, ampicillin, diazoxide, furosemide IV Compatibility Solution: Dextrose-Ringer combinations, D5/LR, dextrose 2.5%/1/2LR, dextrose-saline combinations, D10W, Rings, LR, 1/2NS, NS, Na-lactate 1/1/16 M Y-site: Heparin, hydrocortisone sodium succinate, nitroglycerin (compatible for 3 hours; may form small dpi), KCl, verapamil, vit B/C IV Preparation Prepare immediately before use Minimize contact with metal parts during preparation and administration IV/IM Administration Administer undiluted IM or so slowly push directly into the vein; in children the maximum rate is 5 mg / min; can also be administered as a continuous infusion Avoid adding infusion solution Storage agent at controlled room temperature Do not refrigerate FormularyPatient DiscountsAdding plans, you can compare formulating status with other medicinal products of the same class. To view formula information, first create a list of plans. Your list is saved and can be edited at any time. By adding plans, you can:View the formulas and any limitations for each plan. Manage and view all your plans together— even plans in different states. Compare formulas status with other drugs in the same class. Access the schedule list on any device — mobile or computer. Medscape prescription drug monographs are based on FDA-approved labeling information, unless otherwise stated, combined with additional data derived from primary medical literature. Grade: Direct vasodilators VA Class: CV490 CAS Number: 304-20-1 Medically reviewed by Drugs.com. Last Updated Aug 1, 2017 10:0 Introduction Vasodilating agent.134 e Applications for hydrALAZINE Hypertension Treatment of hypertension (alone or in combination with other classes of antihypertensive agents).134 Not considered a preferred agent for initial treatment of hypertension according to current guidelines for the treatment of hypertension in adults, but can be used as an adjunct therapy if BP is not adequately controlled with recommended antihypertensive drug classes (e.g. ACE inhibitors, angiotensin II receptor antagonists, calcium channel blockers, thiazide diuretics).501 502 503 504 1200 Individualize treatment selection; assess patient characteristics (e.g. age, ethnicity/race, comorbidities, cardiovascular risk) as well as drug-related factors (e.g. easy administration, availability, adverse reactions, costs).501 502 503 504 515 1200 1201 A 2017 ACC/AHA multidisciplinary hypertension direction classifies BP in adults in 4 categories: normal, elevated, stage 1 hypertension and stage 2 hypertension.1200 (see Table 1.) Source: Whelton PK, Carey RM, Aronow WS et al. 2017 ACC/AHA/AAPA/ABC/ACPM/AGS/APhA/ASH/ASPC/NMA/PCNA Guideline for prevention, detection, evaluation and handling of high blood pressure in adults: a report by the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. Hypertension. 2018;71:E13-115. People with SBP and DBP in 2 different categories (e.g. elevated SBP and normal DBP) should be indicated as in the higher BP category (it will want elevated BP). Table 1. ACC/AHA BP Classification in adults.1200 category SBP (mm Hg) DBP (mm Hg) Normal <120 and <80 Elevated 120–129 and <80 Hypertension, Steps 1 130–139 or 80–89 Hypertension, Steps 2 ≥140 or ≥90 The goal of hypertension management and prevention is to achieve and maintain optimal control over BP.1200 Bp thresholds used to define hypertension, the optimal BP threshold for antihypertensive drug therapy, and the ideal target BP values BP values controversial.501 503 504 505 506 507 508 515 523 526 530 1200 1201 1207 1209 1222 1223 1229 2017 ACC/2017 ACC/A THE HA hypertension guideline generally recommends a target BP goal (that is, BP to achieve with medication and/or nonpharmacologic intervention) of <130/80 mm Hg in all adults regardless of comorbidities or level of atherosclerotic cardiovascular disease (ASCVD) risk.1200 Additionally, an SBP target of < 130 mm Hg is generally recommended for non-institutionalised ambulatory patients ≥ 65 years of age with an average SBP of ≥ 130 mm Hg.1200 These BP targets are based on clinical studies showing continued reduction of cardiovascular risk at gradually lower levels of SBP.1200 These BP targets are based on clinical studies showing continued reduction of cardiovascular risk by gradually lower levels of SBP.1200 These BP targets are based on clinical studies showing continued reduction of cardiovascular risk at gradually lower levels of SBP.1200 These BP targets are based on clinical studies showing continued reduction of cardiovascular risk by gradually lower levels of SBP.1200 These BP targets are based on clinical studies showing continued reduction of cardiovascular risk by gradually lower levels of SBP.1200 These BP targets are based on clinical studies showing continued reduction of cardiovascular risk by gradually lower levels of SBP.1200 For secondary prevention in adults with known cardiovascular disease or for primary prevention in people at higher risk of ASCVD (10-year risk ≥ 10%), ACC/AHA recommends initiating antihypertensive drug therapy at mean SBP ≥ 130 mm Hg or an average DBP ≥80 mm Hg.1200 Adults with hypertension and diabetes mellitus, chronic kidney disease (CKD), or age ≥ 65 years are believed to be at high risk of cardiovascular disease; ACC/AHA states that such patients should have antihypertensive drug therapy initiated at a BP ≥130/80 mm Hg.1200 Individualizing drug treatment in patients with hypertension and and cardiovascular or other risk factors.502 1200 In stage 1 hypertension, experts say that it is reasonable to initiate medication using the

