

Cocaine and Amphetamines

Jane M. Prosser

Jeanmarie Perrone

REFERENCES

- Hoffman RS, Henry GC, Howland MA, et al: Association between life-threatening cocaine toxicity and plasma cholinesterase activity. *Ann Emerg Med* 21: 247, 1992. [PMID: 1536483]
- Heard K, Palmer R, Zahnisier NR: Mechanisms of acute cocaine toxicity. *Open Pharmacol J* 2: 70, 2008. [PMID: 19568322]
- Zimmerman JL: Cocaine intoxication. *Crit Care Clin* 28: 517, 2012. [PMID: 22998988]
- Greene SL, Kerr F, Braitberg G: Review article: amphetamines and related drugs of abuse. *Emerg Med Australas* 20: 391, 2008. [PMID: 18973636]
- Prosser JM, Nelson, LS: Toxicology of synthetic cathinones: a review of synthetic cathinones. *J Med Toxicol* 8: 33, 2012. [PMID: 22108839]
- Miotto K, Striebel J, Cho AK, Wang C: Clinical and pharmacological aspects of bath salt use: a review of the literature and case reports. *Drug Alcohol Depend* 132: 1, 2013. [PMID: 23916320]
- Paillet-Loilier M, Cesbron A, Le Boisselier R, Bourguine J, Debruyne D: Emerging drugs of abuse: current perspectives on substituted cathinones. *Subst Abuse Rehabil* 5: 37, 2014. [PMID: 24966713]
- Klein-Schwartz W: Abuse and toxicity of methylphenidate. *Curr Opin Pediatr* 14: 219, 2002. [PMID: 11981294]
- White SR: Amphetamine toxicity. *Semin Respir Crit Care Med* 23: 27, 2002. [PMID: 16088595]
- Soutullo CA, Cottingham EM, Keck PE: Psychosis associated with pseudoephedrine and dextromethorphan. *J Am Acad Child Adolesc Psychiatry* 38: 1471, 1999. [PMID: 10596243]
- Roberge RJ, Hirani KH, Rowland PL, et al: Dextromethorphan- and pseudoephedrine-induced agitated psychosis and ataxia: case report. *J Emerg Med* 17: 285, 1999. [PMID: 10195488]
- Curran C, Byrappa N, McBride A: Stimulant psychosis: systematic review. *Br J Psychiatry* 185: 196, 2004. [PMID: 15339823]
- Haller CA, Benowitz NL: Adverse cardiovascular and central nervous system events associated with dietary supplements containing ephedra alkaloids. *N Engl J Med* 343: 1833, 2000. [PMID: 11117974]
- Kraemer M, Uekermann J, et al: Methylphenidate-induced psychosis in adult attention-deficit/hyperactivity disorder: report of 3 new cases and review of the literature. *Clin Neuropharmacol* 33: 204, 2010. [PMID: 20571380]
- Spiller HA, Hays HL, Aleguas A Jr: Overdose of drugs for attention-deficit hyperactivity disorder: clinical presentation, mechanisms of toxicity, and management. *CNS Drugs* 27: 531, 2013. [PMID: 23757186]
- Phillips K, Luk A, Soor GS, Abraham JR, Leong S, Butany J: Cocaine cardiotoxicity: a review of the pathophysiology, pathology, and treatment options. *Am J Cardiovasc Drugs* 9: 177, 2009. [PMID: 19463023]
- Lange RA, Cigarroa RG, Yancy CW, et al: Cocaine-induced coronary artery vasoconstriction. *N Engl J Med* 321: 1557, 1989. [PMID: 2573838]
- Lange RA, Cigarroa RG, Flores ED, et al: Potentiation of cocaine-induced coronary vasoconstriction by beta-adrenergic blockade. *Ann Intern Med* 112: 897, 1990. [PMID: 1971166]
- Hollander JE, Hoffman RS: Cocaine-induced myocardial infarction: an analysis and review of the literature. *J Emerg Med* 10: 169, 1992. [PMID: 1607624]
- Hollander JE, Hoffman RS, Gennis P, et al: Prospective multicenter evaluation of cocaine associated chest pain. *Acad Emerg Med* 1: 330, 1994. [PMID: 7614278]
- Wang NE, Gillis E, Mudie D: Hypertensive crisis and NSTEMI after accidental overdose of sustained release pseudoephedrine: a case report. *Clin Toxicol (Phila)* 46: 922, 2008. [PMID: 18608273]
- O'Leary ME, Hancox JC: Role of voltage-gated sodium, potassium and calcium channels in the development of cocaine-associated cardiac arrhythmias. *Br J Clin Pharmacol* 69: 427, 2010. [PMID: 20573078]
- Ramirez FD, Femenía F, Simpson CS, Redfearn DP, Michael KA, Baranchuk A: Electrocardiographic findings associated with cocaine use in humans: a systematic review. *Expert Rev Cardiovasc Ther* 10: 105, 2012. [PMID: 22149529]
- Yap YG, Behr ER, Camm AJ: Drug-induced Brugada syndrome. *Europace* 11: 989, 2009. [PMID: 19482855]
- Arora S, Alfayoumi F, Srinivasan V: Transient left ventricular apical ballooning after cocaine use: is catecholamine cardiotoxicity the pathologic link? *Mayo Clin Proc* 81: 829, 2006. [PMID: 16770985]
- Kaufman MJ, Levin JM, Ross MH, et al: Cocaine-induced cerebral vasoconstriction detected in humans with magnetic resonance angiography. *JAMA* 279: 376, 1998. [PMID: 9459471]
- Restrepo CS, Carrillo JA, Martínez S, et al: Pulmonary complications from cocaine and cocaine-based substances: imaging manifestations. *Radiographics* 27: 941, 2007. [PMID: 17620460]
- Osborn HH, Tang M, Bradley K, et al: New onset bronchospasm or recrudescence of asthma associated with cocaine abuse. *Acad Emerg Med* 4: 689, 1997. [PMID: 9223692]
- Tashkin DP, Kleerup EC, Koyal SN, et al: Acute effects of inhaled and intravenous cocaine on airway dynamics. *Chest* 110: 904, 1996. [PMID: 8874243]
- Richards JR, Johnson EB, Stark RW, Derlet RW: Methamphetamine abuse and rhabdomyolysis in the ED: a 5-year study. *Am J Emerg Med* 17: 681, 1999. [PMID: 10597089]
- Brody SL, Wrenn KD, Wilber MM, Slovis CM: Predicting the severity of cocaine associated rhabdomyolysis. *Ann Emerg Med* 19: 1137, 1990. [PMID: 2221520]
- Ness RB, Grisso JA, Hirschinger N, et al: Cocaine and tobacco use and the risk of spontaneous abortion. *N Engl J Med* 340: 333, 1999. [PMID: 9929522]
- Plessinger MA, Woods JR: Cocaine in pregnancy: recent data on maternal and fetal risks. *Obstet Gynecol Clin North Am* 25: 99, 1998. [PMID: 9547762]
- Moeller KE, Lee KC, Kissack JC: Urine drug screening: practical guide for clinicians. *Mayo Clin Proc* 83: 66, 2008. [PMID: 18174009]
- Beckley I, Ansari NA, Khwaja HA, Mohsen Y: Clinical management of cocaine body packers: the Hillingdon experience. *Can J Surg* 52: 417, 2009. [PMID: 19865578]
- Hayes BD, Martinez JP, Barreto F Jr: Drug-induced hyperthermic syndromes: part I. Hyperthermia in overdose. *Emerg Med Clin North Am* 31: 1019, 2013. [PMID: 24176476]
- Agrawal PR, Scarabelli TM, Saravolatz L, et al: Current strategies in the evaluation and management of cocaine-induced chest pain. *Cardiol Rev* January 9, 2015. [Epub ahead of print] [PMID: 25580707]
- Amsterdam EA, Wenger NK, Brindis RG, Casey DE Jr, Ganiats TG, Holmes DR Jr, Jaffe AS, Jneid H, Kelly RF, Kontos MC, Levine GN, Liebson PR, Mukherjee D, Peterson ED, Sabatine MS, Smalling RW, Zieman SJ; ACC/AHA Task Force Members: 2014 AHA/ACC guideline for the management of patients with non-ST-elevation acute coronary syndromes: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. *Circulation*. 130:e344, 2014. [PMID: 25249585]
- Schurr JW, Gitman B, Belchikov Y: Controversial therapeutics: the beta-adrenergic antagonist and cocaine-associated cardiovascular complications dilemma. *Pharmacotherapy* 34: 1269, 2014. [PMID: 25224512]
- Rangel C, Shu RG, Lazar LD, Vittinghoff E, Hsue PY, Marcus GM: Beta-blockers for chest pain associated with recent cocaine use. *Arch Intern Med* 170: 874, 2010. [PMID: 20498415]
- Ibrahim M, Maselli DJ, Hasan R, Hamilton A: Safety of beta-blockers in the acute management of cocaine-associated chest pain. *Am J Emerg Med* 31: 613, 2013. [PMID: 23122421]
- Fanari Z, Kennedy KK, Lim MJ, Laddu AA, Stolker JM: Comparison of in-hospital outcomes for beta-blocker use versus non-beta blocker use in patients presenting with cocaine-associated chest pain. *Am J Cardiol* 113: 1802, 2014. [PMID: 24742472]
- Hoffman RS: Treatment of patients with cocaine-induced arrhythmias: bringing the bench to the bedside. *Br J Clin Pharmacol* 69: 448, 2010. [PMID: 20573080]
- Miranda CH, Pazin-Filho A: Crack cocaine-induced cardiac conduction abnormalities are reversed by sodium bicarbonate infusion. *Case Rep Med* 2013: 396401, 2013. [PMID: 23762070]
- Jakkala-Saibaba R, Morgan PG, Morton GL: Treatment of cocaine overdose with lipid emulsion. *Anaesthesia* 66: 1168, 2011. [PMID: 22074030]
- Arora NP, Berk WA, Aaron CK, Williams KA: Usefulness of intravenous lipid emulsion for cardiac toxicity from cocaine overdose. *Am J Cardiol* 111: 445, 2013. [PMID: 23186600]
- Kundu R, Almasri H, Moza A, Ghose A, Assaly R: Intravenous lipid emulsion in wide complex arrhythmia with alternating bundle branch block pattern from cocaine overdose. *Kardiol Pol* 71: 1073, 2013. [PMID: 24197589]
- Booker RJ, Smith JE, Rodger MP: Packers, pushers and stuffers—managing patients with concealed drugs in UK emergency departments: a clinical and medicolegal review. *Emerg Med J* 26: 316, 2009. [PMID: 19386860]
- West PL, McKeown NJ, Hendrickson RG: Methamphetamine body stuffers: an observational case series. *Ann Emerg Med* 55: 190, 2010. [PMID: 19819590]
- Berger FH, Nieboer KH, Goh GS, Pinto A, Scaglione M: Body packing: a review of general background, clinical and imaging aspects. *Radiol Med* 120: 118, 2015. [PMID: 25300715]
- Thanacoody R, Caravati EM, Troutman B, et al: Position paper update: whole bowel irrigation for gastrointestinal decontamination of overdose patients. *Clin Toxicol (Phila)* 53: 5, 2015. [PMID: 25511637]
- Kosten TR, O'Connor PG: Management of drug and alcohol withdrawal. *N Engl J Med* 348: 1786, 2003. [PMID: 12724485]
- Shoptaw SJ, Kao U, Heinzerling K, Ling W: Treatment for amphetamine withdrawal. *Cochrane Database Syst Rev* 2: CD003021, 2009. [PMID: 19370579]