

References

- Ngai SH, Diaz PM, Ozer S: The uptake and release of norepinephrine. *Anesthesiology* 31:45, 1969
- Ngai SH, Neff NH, Costa E: Effects of cyclopropane and halothane on biosynthesis of norepinephrine *in vitro*. *Anesthesiology* 31:53, 1969
- Naito H, Gillis CN: Anesthetics and response of the atria to sympathetic nerve stimulation. *Anesthesiology* 29:259, 1968
- Davis LD, Temte JV, Helmer PR, et al.: Effect of cyclopropane and of hypoxia on transmembrane potentials of atrial, ventricular and Purkinje fibers. *Circ Res* 18:692, 1966
- Davis LD, Temte JV, Murphy QR: Epinephrine-cyclopropane effects on Purkinje fibers. *Anesthesiology* 30:369, 1969
- Temte JV, Helmer PR, Davis LD: Effects of calcium and cyclopropane on Purkinje fibers. *Anesthesiology* 28:354, 1967
- Hauswirth O: The effects of halothane on single atrial, ventricular and Purkinje fibers. *Circ Res* 24:745, 1969
- Katz RL, Epstein RA: The interaction of anesthetic agents and adrenergic drugs to produce cardiac arrhythmias. *Anesthesiology* 29:763, 1968
- Alper MH, Flacke W: Peripheral effects of anesthetics. *Ann Rev Pharmacol* 9:273, 1969
- Johnstone M: Human cardiovascular response to fluothane anesthesia. *Brit J Anaesth* 28:392, 1956
- Wyatt CM, Merriman JE, Kilduff CJ, et al.: Cardiovascular effects of halothane. *Canad Anaesth Soc J* 5:384, 1958
- Severinghaus JW, Cullen SC: Depression of myocardium and body oxygen consumption with fluothane. *Anesthesiology* 19:165, 1958
- Morrow DH, Gaffney TE, Holman JE: The chronotropic and inotropic effects of halothane. *Anesthesiology* 22:915, 1961
- McCaffrey FW, Mate MJ: Methoxyflurane: A report of 1200 cases. *Canad Anaesth Soc J* 10:103, 1963
- Moffat EA, Sessler AD: Deep circulation in anaesthesia. *Canad Anaesth Soc J* 11:173, 1964
- Walker JA, Eggers WN Jr, Allen CR: Cardiovascular effects of methoxyflurane anaesthesia in man. *Anesthesiology* 23:639, 1962
- Dobkin AB, Fedoruk S: Comparison of the cardiovascular respiratory and metabolic effects of methoxyflurane and halothane in dogs. *Anesthesiology* 22:355, 1961
- Jacques A, Hudon F: Effect of epinephrine on the human heart during methoxyflurane anesthesia. *Canad Anaesth Soc J* 10:53, 1963
- Hudon F: Methoxyflurane. *Canad Anaesth Soc J* 8:544, 1961
- Dudel J, Trautwein W: Die Wirkung von Adrenalin auf das Ruhepotential von Myokardfasern des Vorhofs. *Experientia* 12:396, 1955
- Hoffman BF, Suckling EE: Effect of heart rate on cardiac membrane potentials and the unipolar electrogram. *Amer J Physiol* 179:123, 1954
- Reynolds AK, Horne ML: Studies on the cardiotoxicity of ouabain. *Canad J Physiol Pharmacol* 47:165, 1969
- Morrow DH, Townley NT: Anesthesia and digitalis toxicity: An experimental study. *Anesth Analg Curr Res* 43:510, 1964
- Morrow DH, Knapp DE, Logic JR: Anesthesia and digitalis toxicity. V: Effect of the vagus on ouabain-induced ventricular automaticity during halothane. *Anesth Analg Curr Res* 49:23, 1970
- Arens JF: Methoxyflurane and epinephrine administered simultaneously. *Anesth Analg Curr Res* 47:391, 1968
- Hauswirth O, Noble D, Tsien RW: Adrenalin: Mechanism of action on the pacemaker potential in cardiac Purkinje fibers. *Science* 162:916, 1968
- Edmonds RE, Greenspan K, Fisch C: An electrophysiological correlate of ouabain inotropy in canine cardiac muscle. *Circ Res* 21:515, 1967
- Bain JA, Spoerl WE: Methoxyflurane for the management of pheochromocytoma. *Canad Anaesth Soc J* 10:481, 1963

Drugs

PENTAZOCINE METABOLISM Urinary excretion of pentazocine for 24 hours after oral and intramuscular administration of the drug was determined. Pentazocine is extensively metabolized. Less than 13 per cent of the dose appeared in the urine unchanged. From 12 to 13 per cent was excreted as a glucuronide conjugate. At least one other unidentified polar metabolite was detectable. Most of the drug was excreted within the first 12 hours. Prolonged side-effects in two subjects did not appear to correlate with the rate of excretion of pentazocine or its metabolites. (Berkowitz, B., and Way, E. L.: Metabolism and Excretion of Pentazocine in Man, *Clin. Pharmacol. Ther.* 10: 681 (Sept.) 1969.)