

ute to the clinical picture of reduced insulinogenic response to glucose during halothane anesthesia.

### References

- Merin RG, Samuelson PN, Schalch, DS: Major inhalation anesthetics and carbohydrate metabolism. *Anesth Analg (Cleve)* 50:625-632, 1971
- Malaisse W, Malaisse-Lagae F, Wright PH: A new method for the measurement *in vitro* of pancreatic insulin secretion. *Endocrinology* 80:99-108, 1967
- Paradise RR, Griffith LK: Electrolyte content of perfused rat ventricles exposed to halothane or anoxia. *J Pharmacol Exp Ther* 154:281-288, 1966
- Larson CP, Eger EI II, Severinghaus JW: Solubility of halothane in blood and tissue homogenates. *ANESTHESIOLOGY* 23:349-355, 1962
- Malaisse WJ, Mahy M, Brisson GR, et al: The stimulus-secretion coupling of glucose-induced insulin release. *Eur J Clin Invest* 2:85-90, 1972
- Howell SL, Taylor KW: The secretion of newly synthesized insulin *in vitro*. *Biochem J* 102:922-927, 1967
- Matschinsky FM, Landgraf R, Ellerman J, et al: Glucoreceptor mechanisms in islets of Langerhans. *Diabetes* 21: (suppl 2) 555-569, 1972
- Matschinsky FM, Ellerman J: Dissociation of the insulin releasing and the metabolic functions of hexoses in islets of Langerhans. *Biochem Biophys Res Comm* 50:193-199, 1973
- Mayhew DA, Wright PH, Ashmore J: Regulation of insulin secretion. *Pharmacol Rev* 21:183-212, 1969
- Ko KC, Paradise RR: The effects of substrates on contractility of rat atria depressed with halothane. *ANESTHESIOLOGY* 31:532-539, 1969
- Paradise RR, Ko KC: The effect of fructose on halothane-depressed rat atria. *ANESTHESIOLOGY* 32:124-129, 1970
- Ko KC, Paradise RR: Contractile depression of rat atria by halothane in the absence of glucose. *ANESTHESIOLOGY* 34:152-156, 1971
- Ko KC, Paradise RR: The effect of halothane on the contractility of atria from starved rats. *ANESTHESIOLOGY* 34:557-561, 1971
- Ko KC, Paradise RR: The effects of substrates on halothane-depressed isolated human atria. *ANESTHESIOLOGY* 33:508-514, 1970
- Morrow RJ, Paradise RR: Metabolic sites of action of halothane in rat atria. *Biochem Pharmacol* (in press)
- Husain S, Paradise RR: Effect of halothane on CO<sub>2</sub> production from glucose, fructose and pyruvate in rat cerebral cortical slices. *J Neurochem* 21:1161-1166, 1973
- Merin RG: The relationship between myocardial function and glucose metabolism in the halothane-depressed heart: II. The effect of insulin. *ANESTHESIOLOGY* 33:396-400, 1970
- Morrow RJ, Paradise RR: Buffer-dependent actions of insulin and halothane on glucose metabolism in isolated rat atria. *Proc Soc Exp Biol Med* (in press)

### Neonatology

**FETAL EEG** Fetal electroencephalography (FEEG) was monitored during the second stage of labor. When the vertex was delivered spontaneously, FEEG remained unchanged, independent of fetal heart rate decelerations with head compression or maternal "pushing." During forceps application, and traction, FEEG changed rapidly from low-voltage irregular activity to a flat line. After removal of the forceps, FEEG once returned in appearance to that seen in neonates delivered without forceps. (Rosen, M., Scibetta, J., and Hochberg, C.: *Fetal Electroencephalography. IV. The FEEG during Spontaneous and Forceps Births. Obstet Gynecol* 42: 283-289, 1973.)