Contents, Vol. 30, 1976

No. 1-4

Alexander, D.P.; Assan, R.; Button, H.G.;
Fenton, E., and Redstone, D.: Glucagon Release
in the Sheep Fetus. I. Effect of Hypo- and Hyper-
glycaemia and Arginine


Rosen, K.G. and Isaksson, O.: Alterations in Fetal Heart Rate and ECG Correlated to Glyco-
gen, Creatine Phosphate and ATP Levels during Graded Hypoxia


Hahn, P.; Beatty, C.M., and Bocek, R.M.: Carni-
tine Transferases in Brown Fat of Newborn and Developing Primates

Gain, K. and Watts, C: Glucose Homeostasis in the Developing Rat. II. Blood Glucose, Plasma Insulin and Hepatic Glycogen in the Newborn Rat

Frohlich, J.; Hahn, P.; Kirby, L., and Webber, W.: Rat Fetal Brown Adipose Tissue in vitro: Effects of Hormones and Ambient Temperature. Com-
parison with Rat Fetal Liver


Kajtár, P.; Jéquier, E., and Prod’hom, L.S.: Heat Losses in Newborn Infants of Different Body Size Measured by Direct Calorimetry in a Ther-
11 moneutral and a Cold Environment

Rubecz, I. and Mestyán, J.: Energy Metabolism and Intravenous Nutrition of Premature Infants. II. The Responses of Oxygen Consumption,
17 Respiratory Quotient and Substrate Utilization to Infusion of Fat Emulsion
25 Mestyán, J.; Rubecz, I., and Soltész, Gy.: Changes in Blood Glucose, Free Fatty Acids and Amino Acids in Low-Birth-Weight Infants Receiving Intravenous Fat Emulsion 74


Watts, C; Gain, K., and Sandin, P.L.: Glucose Homeostasis in the Developing Rat. I. Blood Glucose and Immunoreactive Insulin in the Later Stages of Gestation of the Fetal Rat 88

Contents


Rautenbach, M. and Beyreiss, K.: Absorption Rates of Fructose and Influence of Fructose on the Glucose Blood Level in Preterm and Term Newborns Appropriate for Gestational Age as Compared to Preterm and Term Newborns Small for Gestational Age 123


Rosso, P.: Placental Transfer of α-Amino Isobutyric Acid and Glucose Near Term and in Progesterone-Induced Prolonged Gestation in the Rat 163

Shirley, D.G.: Developmental and Compensatory Renal Growth in the Guinea Pig 169
Hernandez, R.J.: Effect of Malnutrition and 6-Hydroxydopamine on the Early Postnatal Development of Noradrenaline and Serotonin Content in the Rat Brain 181
Olusi, S.O.; Wallwork, J.C., and McFarlane, H.: Intrauterine Malnutrition and IgG Allotypes in the Rat 187
Zondek, L.H. and Zondek, T.: Fetal Hilar Cells and Leydig Cells in Early Pregnancy 193

Taeusch, H. W. jr.; Patterson, A.; Williams, L., and Colle, E.: Plasma Glucocorticoid Concentrations after Injections of Heroin, Corticotrophin, Saline and Cortisol in Fetal and Neonatal Rabbits . . . 131
Zondek, L.H. and Zondek, T.: Relationship between Concentrations of Human Chorionic Gonadotrophin (HCG) in Maternal Plasma, Amniotic Fluid and Fetal Cerebrospinal Fluid 200

Robertson, A.F.; Karp, W.B., and Johnsson, J.: Human Placental Amino Acid Oxidation 142
Ferré, P. and Girard, J.R.: Alanine 14C Incorporation into Liver and Skeletal Muscle Proteins during the Early Postnatal Period in the Rat . . 145
Clark, J.F. and Clark, CM. jr.: Kinetics of Insulin-Stimulated Accumulation of Glucose by Heart Cells from Newborn Rats 150
Di Marco, P.N.; Ghisalberti, A.V.; Pearce, P.H., and Oliver, I.T.: Post-Natal Changes in Blood Glucose, Phosphopyruvate Carboxylase and Tyrosine Aminotransferase after Normal Birth and Premature Delivery in the Rat 205
Krauss, A.N.; Waldman, S., and Auld, P.A.M.: Diminished Response to Carbon Dioxide in Premature Infants 216
Froger, J.L.; Aminot, A.; Blouquit-Debray, M.F., and Roffi, J.: Antidiuretic Activity in the Fetal and Newborn Rabbit Hypophysis 224
Bell, J.U. and Van Petten, G.R.: Plasma Esterase Development in the Perinatal Lamb 232

Contents
V
Hoff, KM; Baker, PC; Presnell, V., and Rodville, L.: Maturation of Indoleamine Metabolism in the Spinal Cord of the Mouse
Berry, D.H. and Brewster, M.A.: Riboflavin, FAD, Glutathione, and Active Glutathione Reductase in Neonatal Erythrocytes
Pass, R.; Christopher, C; Hinkley, C; Milstead, R.; Bailey, P., and Cassady, G.: Amniotic Fluid Volume in Pregnancies Complicated by Diabetes
Dweck, H.S.; Brans, Y.W.; Sumners, J.E., and Cassady, G.: Glucose Intolerance in Infants of 238 Very Low Birth Weight. II. Intravenous Glucose Tolerance Tests in Infants of Birth Weights 500-1,380 Grams
Buckley, N.M.; Gootman, P.M.; Gootman, N.; Reddy, G.D.; Weaver, L.C., and Crane, L.A.: Age-Dependent Cardiovascular Effects of Afferent Stimulation in Neonatal Pigs
Chowdhury, M. and Steinherger, E.: Sex Difference in de novo Synthesis of FSH in Developing Rats

Author Index Subject Index