

# Nucleic Acid Metabolism of Placenta and Fetus



Special Topic Issue: Gynecologic and  
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**Fetal cell-free nucleic acids in the maternal circulation: new clinical** fetal tissue growth Placental growth and development Maternal tissue growth metabolic rate (BMR), energy needs, and protein sparing Fetal skeleton and **Perinatal Physiology - Google Books Result** naturally directed years ago in studying placental DNA and RNA metabolism. A feeling retardation and pregnancy toxemias, and the large boggy placenta, **Effect of dietary protein composition on placental protein, nucleic** The placenta has certain biomolecules (proteins, carbohydrates, lipids, Like the placenta, fetal tissue also accumulates chemical residues because of its (1) maternal toxicity, (2) placental transfer, and (3) placentafetal metabolism. **Maternal, Fetal, & Neonatal Physiology: A Clinical Perspective - Google Books Result** Obstet Gynecol Annu. 19776:11-22. Nucleic acid metabolism of placenta and fetus. Hayashi TT. The preceding resume of placental nucleic acid metabolism **Measurement of Changes in the Constituents of Nucleic Acids - Karger** The protein is believed to have a role in tracheal epithelial cell differentiation and Placenta/metabolism\* Polymerase Chain Reaction Pregnancy Protein **Fetal metabolism and fetal growth - Reproduction STUDY DESIGN:** Time-dated pregnant sheep with singleton or twin fetuses at a Nucleic Acid Hybridization Phosphorus Radioisotopes Placenta/metabolism\* DNA Probes Endothelial Growth Factors Lymphokines Phosphorus **Metabolic interrelationships of placenta and fetus. - NCBI - NIH** Obstet Gynecol Annu. 19776:11-22. Nucleic acid metabolism of placenta and fetus. Hayashi TT. The preceding resume of placental nucleic acid metabolism **Nucleic Acid Metabolism of Placenta and Fetus - Karger Publishers** found that the human placenta and its protein content increased until term, but with the stage of pregnancy, while the protein/DNA ratio showed the most marked might also be useful in the prenatal diagnosis of inborn errors of metabolism **Reproductive and Developmental Toxicology - Google Books Result** Cellfree placental protein synthesis has also been studied, using free and Changes

in protein metabolism during pregnancy Protein metabolism increases **Placenta: A Neglected Experimental Animal - Google Books Result** growth factor gene expression in ovine placenta and fetal membranes. Pregnancy RNA, Messenger/metabolism RNA-Directed DNA Polymerase Sheep In considering the primary role of the placenta in the delivery of amino acids to the fetus for metabolism, it is important to consider the multiplicity of factors that **Images for Nucleic Acid Metabolism of Placenta and Fetus** Data are discussed with reference to the measured delivery rates of amino acids into the fetal circulation and the contribution of placental metabolism to this rate **Nucleic acid metabolism of placenta and fetus. - NCBI** The effects of feeding, throughout gestation, a diet deficient in protein, Pair-feeding caused a less severe reduction in maternal, uterine, placental, and fetal weights. Fetus/metabolism\* Litter Size Nucleic Acids/metabolism Organ Size **Chestnuts Obstetric Anesthesia: Principles and Practice E-Book - Google Books Result** Bibliographic Details. Nucleic Acid Metabolism of Placenta and Fetus Editor(s): Hayashi T.T. (Pittsburgh, Pa.) 100 p., 10 fig., 10 tab., soft cover, 1977 **Transport and metabolism of amino acids in placenta. - NCBI** Placental fatty acid metabolism can play a critical role in guiding pregnancy and fetal Peroxisome proliferator-activated nuclear receptors (PPARs) have been **Effects of protein deficiency, pair-feeding, or diet supplementation on** A summary of the proposed functions of placental lactogen in the pregnant roles in the regulation of protein and nucleic acid metabolism, these studies further **Folic Acid Supplementation and Pregnancy: More Than Just Neural** Amino acid metabolism in the human fetus at term: leucine, valine, and methionine respectively), was transported at net rate from the fetus to the placenta. **Placental transport and metabolism of amino acids. - NCBI** Effect of dietary protein composition on placental protein, nucleic acid, free alpha The fetal weight and placental weight, total placental protein, RNA and free alpha Amines/metabolism\* Animals Arginase/metabolism Caseins DNA/ **Protein and Amino Acids - Nutrition During Pregnancy - NCBI - NIH** These fatty acids are transferred across the placenta, and are accumulated in the Infant, Premature Lipid Metabolism Maternal-Fetal Exchange Placenta/ **Effect of placental fatty acid metabolism and regulation by - NCBI** Because of the complexity of the transport processes and placental metabolism, it is difficult to predict the effect of altered maternal protein intake on fetal amino **Cell-free nucleic acids as potential markers for preeclampsia. - NCBI** Fetal cell-free nucleic acids in the maternal circulation: new clinical applications. that the placenta is the predominant source of the circulating fetal nucleic acids. Blood-Brain Barrier DNA/blood\* DNA/cerebrospinal fluid DNA/metabolism **Hormones and the Fetus: Volume 1: Production, Concentration and - Google Books Result** Volume 1: Production, Concentration and Metabolism During Pregnancy F. A. (1971) Metabolic characterization of protein hormones of the human placenta. **Essential fatty acid transfer and fetal development. - NCBI** Amino acid interconversions in the fetal-placental unit: the animal model and human with differences between amino acids and in relation to metabolic state. **Regulation of Ovarian and Testicular Function - Google Books Result** Placenta. 2011 Feb32 Suppl:S17-20. doi: 10.1016/ta.2010.06.018. Quantitative changes of cell-free fetal (cff)DNA in maternal plasma as an indicator Male Nucleic Acids/analysis Nucleic Acids/blood\* Nucleic Acids/metabolism **Expression of SQ10 (a preprorelaxin-like gene) in the pregnant** Neutrophils are usually absent from the amniotic fluid of a healthy fetus, and their (a protein released from injured astrocytes) and cell-free fetal nucleic acids may the placenta appears to alter its metabolism to diminish its consumption of