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Interpretation of hematologic test results in children; Other factors affecting neonatal testing; Chapter 2: Normal bone marrow; Ontogeny of the hematopoietic system; Postnatal bone marrow; Age-specific differences in the bone marrow
Bone marrow examination in childrenReferences; Chapter 3: Disorders of erythrocyte production: Nutritional deficiencies, iron deficient, and sideroblastic anemia; Introduction; Iron; Dietary iron; Iron transport; Iron uptake from the intestine; Iron uptake from the plasma; Iron storage; Iron regulation; Hemoglobin synthesis; Age and iron needs; Iron in the first year; Iron in the diet; Assessment of iron status; Ferritin; Serum iron and transferrin; Zinc protoporphyrin; Soluble transferrin receptor; Treatment of iron deficiency; Vitamin B12; Role in the body; Dietary vitamin B12
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Effects of hemoglobinopathies on general laboratory tests

Sommario/riassunto

Diagnostic Pediatric Hematopathology is unique in providing an accurate and up-to-date guide to the diagnosis of benign and malignant hematologic disorders of childhood. The text discusses the development of the hematopoietic and lymphoid systems - and how this affects normal and abnormal findings in children at various ages. Also examined are the morphologic, immunophenotypic, cytogenetic, and molecular genetic characteristics of most pediatric-specific hematologic diseases. This is an excellent reference that ensures accurate diagnoses when evaluating peripheral blood, bone marrow, and lymph nodes of children. The text is written by a team of experienced pediatric hematopathologists and clinical scientists drawn from major academic children's hospitals in the United States, Europe, and Canada. It will be a valuable tool in the every day practice of pathologists, pediatric pathologists, and hematopathologists, and a ready educational resource for fellows, pathology residents, medical students, clinical scientists in the field, and pediatric hematologists/oncologists.