

Hepatosplenomegaly

CAUSES OF HEPATOMEGALY IN NEONATES	
COMMON	UNCOMMON
Biliary tract obstruction	Hepatoblastoma/hemangiomatosis
Congestive heart failure	Hemophagocytic syndrome/histiocytosis
Maternal diabetes	Isoimmunization
Malnutrition	Neuroblastoma
Metabolic disorders	
Parenteral nutrition	
Pseudohepatomegaly	
Sepsis	
Storage diseases	
Viral hepatitis/TORCH infections	
Wolf AD, Lavine JE. Hepatomegaly in Neonates and Children. 2017;21(9).	

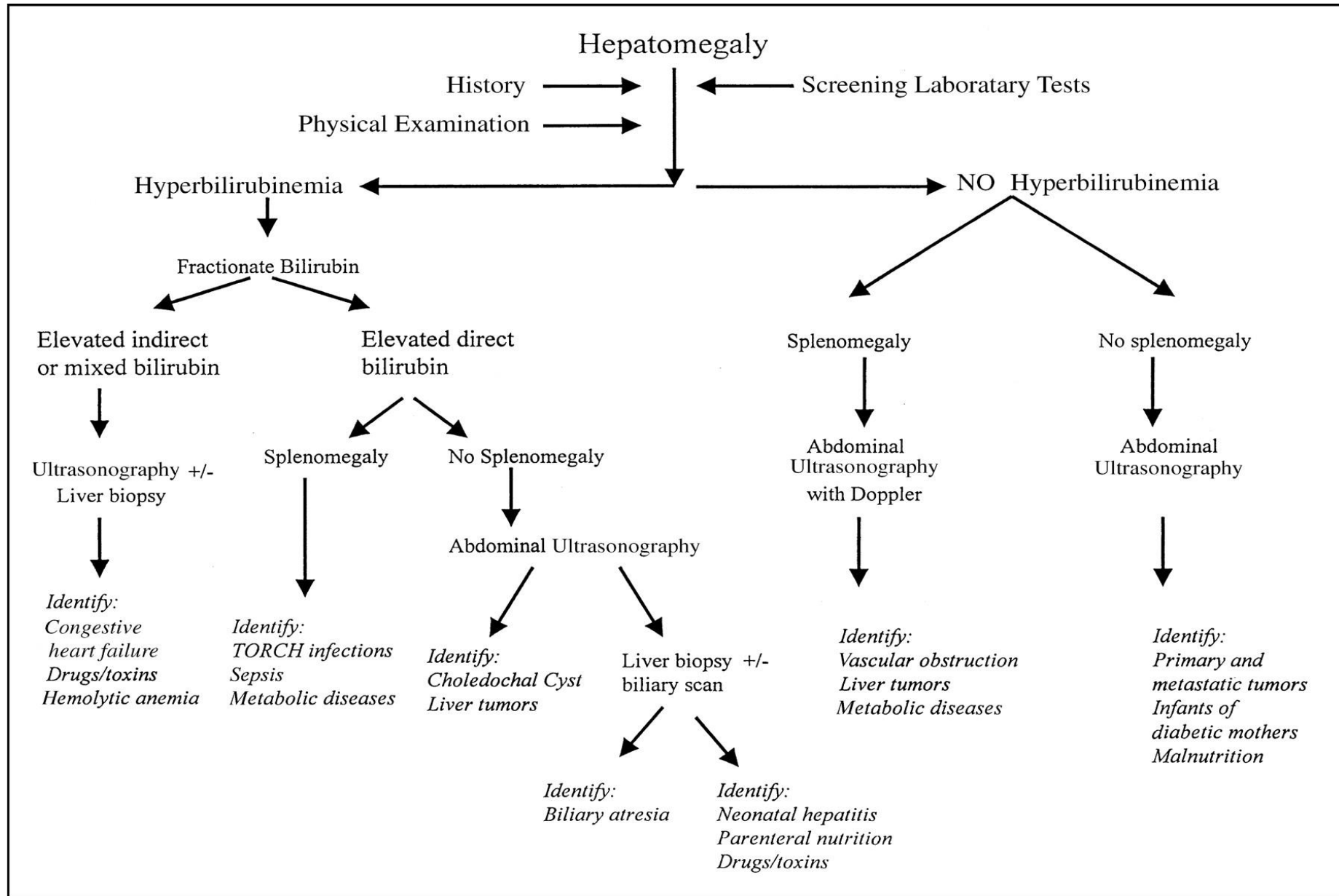
CAUSES OF HEPATOSPLENOMEGALY IN NEONATES

CAUSES	EXAMPLES
METABOLIC	Glycogen storage diseases (GSD) Lysosomal storage diseases (Gaucher, Niemann-Pick) Galactosemia Peroxisomal disorders Tyrosinemia type 1 Bile acid disorders Congenital disorders of glycosylation (CDGs, also referred to as carbohydrate deficient glycoprotein syndromes) Acid lipase deficiency (Wolman disease/cholesterol ester storage disorder) Alpha-1 antitrypsin deficiency Cystic fibrosis

CAUSES OF HEPATOSPLENOMEGALY AND HYPERBILIRUBINEMIA IN INFANTS	
CAUSES	EXAMPLES
CONGENITAL INFECTION	Cytomegalovirus Toxoplasmosis Rubella Herpes simplex virus Syphilis HIV
ACQUIRED INFECTION	Protozoal: malaria, kalazar, amoebic Bacterial: sepsis; tuberculosis, brucellosis Helminths: hydatid, visceral larva migrans Fungal: histoplasmosis
MALIGNANCIES	Leukemia Histiocytic syndromes(haemophagocytic lymphohistiocytosis) Myeloproliferative syndromes Lymphomas

CAUSES OF HEPATOSPLENOMEGALY IN NEONATES	
CAUSES	EXAMPLES
IMMUNOLOGICAL	Chronic granulomatous disease Hereditary neutrophilia Ommen syndrome.
DEVELOPMENTAL	Congenital hepatic fibrosis
HAEMOPOIETIC	Haemolytic disease of newborn Thalassaemia
CONGESTIVE	Hepatic vein obstruction Constrictive pericarditis

Diagnostic algorithm for hepatomegaly in neonates



Source: Wolf AD, Lavine JE. Hepatomegaly in Neonates and Children. 2017;21(9).

References

- Uptodate
- Medscape Reference
- Wolf AD, Lavine JE. Hepatomegaly in Neonates and Children. 2017;21(9).
- Brumbaugh D, Mack C. Conjugated Hyperbilirubinemia in Children. 2017;33(7).