Neonatal and Pediatric Medicine

Understanding Neonatal Jaundice: A Comprehensive Guide

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Abstract

Neonatal jaundice is a prevalent condition in newborns characterized by the yellowing of the skin and sclera due to elevated bilirubin levels in the blood. While most cases are physiological and resolve without intervention, pathological jaundice requires immediate medical attention due to its potential complications. This article explores the types, causes, risk factors, diagnosis, treatment, and prevention of neonatal jaundice. Understanding the condition's mechanisms and efective management strategies is essential for healthcare providers to ensure the health and well-being of newb Health, University of Medicine, United Kingdom, E-mail: martin.h@gmail.com

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Types of neonatal jaundice

Ne na alja n⁴i e anl e la i e⁴ in main pe :

Physiological jaundice:

14 i i hem innea 🏽 60% fne 🖡 n . mm n 🛛 pean H Bi pi all⊠ appea a e 24 h^y fi i h an⁴ all⊠ e le i hin eek'. Pholi i aljan die i ael fhe imma elie' ind ili a e ien la p e bili bin in he fe ia flife [3]! eli e ma e e ime, all in f be e bili bin lea an e.

Pathological jaundice:

Pahlgialjan^Hieile mmnl e ie immediae me⁴i al a en i n. I an manife i hin he 24 h pe i el n⁴ eek ¹ i Spe an e l f m a i n⁴e l Sing n⁴i i n, in l⁴ing hem l i ⁴i ea e, infe i n [4], me s li nHe l⊠ing ¹Hi He, lie H⊠fn in.Ii ial iHen ift⊠anH ea he ntelSing a e pe en mpliain.

Causes of neonatal jaundice

¹ ¶e a e fnenaaljanⁿie antet aⁿl⊠ aer iZen in heer p:

Increased bilirubin production:

Cn^Hiin lea^Hing e e i e Leak^H n f e^H Ll ^H ell (hem 🔯 i) an in ea e lili lin p 🤫 i n. C mm n a e in 1 He

Hemolytic disease of the newborn (HDN): O en a et Rh ABO in mpalili 🕅, hee hem he' imm ne 🕅 em a ak he **↓ ↓ ↓** e⁺**↓** 1 **↓** ell [5].

Bruising: Bi h a ma an leat in ea et et l t ell eake n.

Impaired bilirubin excretion:

If he li e i na le e e e li i i i n in he li e e in lie Hieae, janHie an .Cmm na e ŕ in 1 He:

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Biliary atresia: A ny eni al n⁴i i n he el ile⁴ a e d en Hamaren.

Infections: Ce ain infe in an $a \in li \in f \cap i \cap [7]$.

Risk factors