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Incidence of thrombocytopenia in hyperbilirubinemic neonates during phototherapy

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Abstract:

Thrombocytopenia has been reported as a complication of phototherapy. In this study the effect of conventional phototherapy on platelet count was studied in 101 newborns with indirect hyperbilirubinemia, out of whom 50 patients (49.5%) had decreased levels of platelets; 20 (19.8%) of the latter had a platelet count of below 100000/mm³. Decreased platelet count was maximum during the first 24 hours of phototherapy. Ultraviolet light may increase platelet turnover and injury during phototherapy by and unknown mechanism.

Keywords:

Thrombocytopenia , Hyperbilirubinemia phototherapy complication , Neonatal jaundice

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