



## Neonatal outcomes of infants with ABO incompatibility

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**Abstract:** ABO blood group incompatibility occurs in 15-20% of all pregnancies and 10% of those develop hemolytic disease. Transcutaneous bilirubin screening use is increasing but still not widespread. To compare neonatal outcomes of DCT positive and DCT negative infants born to blood group O positive mothers. To evaluate the effect of neonatal blood group on the severity of hemolysis and neonatal jaundice due to aternal-fetal ABO incompatibility. To investigate the value of transcutaneous bilirubin measurement and first serum bilirubin in predicting the development of significant hyperbilirubinemia later in the first few days in infants with ABO incompatibility.



**Biography:** Dr. Alshammari has completed his PhD at the age of 26 years from Dammam University and postdoctoral studies from Dammam University School of Medicine. He finished his Saudi board pediatric residency program and completed his fellowship in Neonatology in King Abdulaziz Medical City - Riyadh. He is now working as a neonatologist in Maternity and Childhood hospital in Saudi Arabia.

### Publications:

1. Fernández de la Cruz, L., et al., Treatment of Children With Attention-Deficit/Hyperactivity Disorder (ADHD) and Irritability: Results From the Multimodal Treatment Study of Children With ADHD (MTA). *Journal of the American Academy of Child and Adolescent Psychiatry*, 2015. 54(1): p. 62-70. e3.
2. Gadow, K.D., et al., Risperidone added to parent training and stimulant medication: effects on attention-deficit/hyperactivity disorder, oppositional defiant disorder, conduct disorder, and peer aggression. *Journal of the American Academy of Child & Adolescent Psychiatry*, 2014. 53(9): p. 948-959. e1.
3. Gallo, E.F. and J. Posner, Moving towards causality in attention-deficit hyperactivity disorder: overview of neural and genetic mechanisms. *Lancet Psychiatry*, 2016. 3(6): p. 555-67.
4. Cortese, S., et al., Practitioner review: current best practice in the management of adverse events during treatment with ADHD medications in children and adolescents. *Journal of Child Psychology and Psychiatry*, 2013.

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