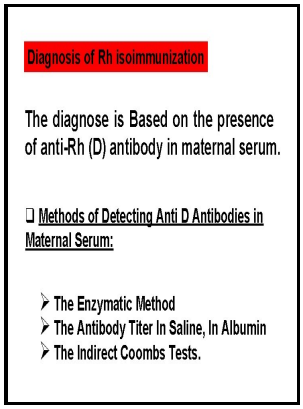
Prevention of hemolytic disease of the fetus and newborn due to rh rh isoimmunization

U.S. Dept. of Health, Education, and Welfare : for sale by the Supt. of Docs., U.S. Govt. Print. Off., 1975. - Rh disease



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DHEW Publication - U.S. Department of Health, Education, and Welfare -- no. (HSA) 75-5125Prevention of hemolytic disease of the fetus and newborn due to rh rh isoimmunization
Notes: Bibliography: p. 18-19.
This edition was published in 1975

Filesize: 52.47 MB

Tags: #Rh #disease

Mechanisms of anti

A term newborn born to a 27-year-old, gravida 3, para 3 mother was referred due to a high and increasing serum bilirubin level despite phototherapy on the 4th day of life. So the development of an antibody against Rh antigen is not possible.

Hemolytic Disease of the Newborn

By finding maternal anti-D before fetal RBCs have been attacked, treatment can be given to prevent or limit the severity of HDN. Around 15% of white Europeans are RhD negative.

Hemolytic Disease of the Newborn

Factors found to be associated with red cell allosensitization in the women were previous major surgery, red cell or platelet transfusion, multiparity, having had a previous male child, and operative removal of the placenta. Red cell alloimmunization among expectant mothers is widely studied around different parts of the world, ranging from 0. Once exposed, the maternal immune system may or may not respond to foreign red cell antigens.

Rh disease

The most common cause of blood group incompatibility results from the ABO blood group system, with incompatibility present in up to 20% of infants. On extended RH-Kell phenotyping, the mother was found to be C+ c- E- e+, K-, father C- c + E- e +, K - and that of the baby was C- c+E- e+, K-.

Hemolytic disease of the newborn

At birth and during the newborn period, symptoms include a mild anemia and jaundice, both of which may resolve without treatment. This is not generally a problem during pregnancy, as the maternal circulation can compensate. Whether the development of Rh alloimmunization anti-c in mother has occurred as a result of previous pregnancies or transfusions was inconclusive.

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