Significance of the Rh blood type in routine test for pregnancy

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To investigate the significance and importance of the Rh blood type in routine test for pregnancy. Methods: A total of 1,638 pregnant cases, who had routine pregnancy test from April 2010 to March 2011 had routine Rh blood group testing. Delivery outcome was analyzed. Results: There were 5 cases with negative Rh (D), and 1,633 positive women. The negative rate was 0.305%, positive rate was 99.695%. Two women didn't have antibody, and no hemolytic disease of newborn occurred after delivery. One women with gestational age as 35 weeks had premature delivery, and the newborn was died due to kernicterus and haemolysis. Newborns of two women with full term had hemolytic disease, and were in cure after treatment. Conclusions: Routine blood test of pregnant women is helpful to detect negative Rh blood type. It will help early intervention treatment for the prevention of hemolytic disease.

[KEY WORDS] Rh blood group; Pregnancy; Hemolytic disease of newborns