Preoperative prediction of the individualized risk of early fetal death after laser therapy in twin-to-twin transfusion syndrome.

The aim of this study is to evaluate the independent and combined value of gestational age, fetal weight, fetoplacental Doppler, and myocardial performance index for the prediction of individual risk of early (1.5 MoM (OR = 22, p = 0.015), but this event was present in only 3% of recipients. In donors, reverse end diastolic flow in the umbilical artery (OR = 14.748, p = 0.033), estimated fetal weight discordance (OR = 1.054, p = 0.036), and gestational age (OR = 0.757, p = 0.046) were independent predictors. In TTTS, preoperative fetal assessment can identify independent risk factors for early post-operative IUFD, particularly in donors. © 2013 John Wiley & Sons, Ltd.
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