

## Hydrops fetalis of the donor fetus in twin - twin transfusion syndrome after therapeutic amnioreduction

Sang Joon Choi, M.D., Won Seok Ki, M.D., Young Hye Kim, M.D.,  
Soo Ah Kim, M.D., Hyo Young Jeong, M.D., Chang Hun Song, M.D.

Department of Obstetrics and Gynecology, School of Medicine,  
Chosun University, Gwangju, Korea

We present a case of twin - twin transfusion syndrome associated with hydrops fetalis observed in the donor after therapeutic amnioreduction at 26 weeks of gestation. A 34 - year -old woman was referred to our hospital with severe polyhydramnios in the sac of the recipient fetus and severe oligohydramnios in the donor fetus at 26 weeks. The recipient fetus with hydrocephalus demised at 26 weeks and performed the amnioreduction. After the amnioreduction, the donor subsequently began to make amniotic fluid and developed the hydrops fetalis in ultrasonography. Despite conservative therapy, the twin were delivered by preterm vaginal delivery due to preterm premature rupture of membrane. It is suspected that after therapeutic amnioreduction, intrauterine hemodynamic changes occurred and the donor developed hydrops fetalis due to volume overload.