



Acardiac Twin: A Case Report



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Background

Acardiac twin is a rare condition where one of the twin lacks of heart or has heart that is not fully formed. They usually have a poorly developed body and may also miss a head, limbs and torso. Monochorionic twins are identical twins who share a placenta and a network of blood vessels that supply oxygen and nutrients essential for development in the womb. TRAP (Twin Reversed Arterial Perfusion) occurs in about 1 percent of monochorionic pregnancies or 1 in every 35.000 pregnancies. This is the first case of acardiac twin In Putri Hospital Surabaya.

Objective

To report a rare case of acardiac twin that focused on diagnosis and management.

Case Report

Prenatal ultrasound diagnostic performed by Fetomaternal Obstetric found acardiac twin. Diagnostic images such as color and pulsed doppler sonogram also radiofrequency ablation did not do in this case. Antenatal corticosteroid treatment was done. An elective cesarean delivery from a 31 year old mother was done at 35 weeks of gestation. The pump twin male baby was born with body weighted of 2200 grams. He was born with RDS and PDA and immediately performed the resuscitation followed by the action of The First Golden Hour STABLE. He was treated with CPAP, total parenteral nutrition and breast milk trophic feeding. Maintaining on blood pressure, anticipating infection, and since breastfeeding education had given to the mother during ANC, mother's breast milk was quickly and sufficiently available. KMC to maintain skin-to-skin contact was also performed. At 8 days of hospitalization, his condition improved, successful oral feeding and gained weight with exclusively breastfed. He was discarded from the hospital with regular monitoring on growth, had immunization, and underwent eyes, ears and congenital hypothyroid screening.



Fig 1. The cesarean section



Fig 2. The acardiac twin



Fig 3. The placenta

Conclusion

The pump twin baby is growing preterm and had achieved the goal of neonatal survival intact for the realization of SDG's.

Keywords: Acardiac Twin, Prenatal Diagnosis, Growing Preterm Infant