Case Report

Successful Anesthesia and Perioperative Management of Obstetric Cardiac Arrest Patient with Eclampsia

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Cardiac arrest in obstetric patients is a rare case (1/20,000 to 1/50.000) and has a high mortality rate in maternal (30-80%) and neonatal (60%). Hypoxia in obstetric patient is poorly tolerated and make the patient susceptible to cardiac arrest. We report 24 year old woman, G3P2A0, 24 weeks pregnant with Eclampsia was referred to the emergency room with seizures and decreased consciousness. The patient received oxygen, MgSO4, dexamethasone, nifedipine and methyldopa. After 2 hours, the patient had seizures, followed by cardiac arrest. After 2 cycles of cardiopulmonary rescucitation with left uterine displacement, the patient then had return of spontaneous circulation (ROSC) and was decided to undergo cesarean section operation. Prenatal examination before surgery found IUFD (intra uterine fetal death). The patient anesthetized with general anaesthesia, with fentanyl 50 mg, propofol 100 mg and rocuranium 50 mg. Maintenance with Sevoflurane 2 MAC. The operation lasts 1 hour 30 minutes. The patient was then taken to the ICU for post operative care. After 2 days of ventilator and 3 days ICU admission, patient transferred to obstetric ward, and after 3 days of treatment in the ward the patient able to go home. In obstetric cardiac arrest patient chest compressions, with manual left lateral uterine displacement should be done to relieve aortocaval compression. Resuscitation in obstetric patient is challenging because we have to safe the mother and the fetus. Anesthesiologists and the surgeon must work together to save the patient's life and reduce mortality.

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Biography

Taufik has completed his anesthesiologist degree at the age of 30 years from Diponegoro University, Indonesia. He is now home staf of Anesthesiology and Intensive Care in Diponegoro University and RSUP Dr. Kariadi Semarang, Indonesia, and currently student of intensive care program at Gadjah Mada University/ Sardjito Hospital, Indonesia.

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