

Acute kidney injury in obstetrics: Varied pathologies and outcomes.

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Abstract

Background: Acute Kidney Injury (AKI) is the sudden loss of renal function. Multiple causes of AKI exist that include those that afflict the general population, and those that are associated with pregnancy. AKI in pregnancy is of particular challenge as there are physiological alterations of renal function in pregnancy. The diagnosis is by abnormalities of renal function tests in addition to the abnormalities reflecting underlying pathologies. Management depends on underlying causes and the prognosis can often be positive.

Material and methods: We present three cases of AKI in pregnancy, their evaluation and management.

Results: The first patient had AKI due to septic abortion and was treated by dialysis. The second patient had AKI due to preeclampsia with severe features and was treated by termination of pregnancy and multiple anti-hypertensives. The third patient had AKI due to hyperemesis gravidarum and was treated aggressively with fluids and anti-emetics.

Conclusion: Early recognition and initiation of appropriate therapy can lead to favourable outcomes in AKI.

Keywords:

Pregnancy ,Renal Failure, renal replacement , Dialysis