CRASH 2015 – Critical Care Symposium

Speaker: Karsten Bartels, MD

Acute kidney injury and continuous renal replacement therapy for the Operating Room - An update for Anesthesiologists

Learning Objectives:

1) Overview of current terminology: Acute Renal Failure, pre-renal azotemia, Acute Tubular Necrosis, Post-renal Failure, Acute Kidney Injury
2) AKI and risk of death – does it matter?
3) New biomarkers for AKI, limitations and future indications
4) Goals-directed fluid therapy for AKI
5) “Do no harm“ How to protect kidney function from iatrogenic injury
6) Management of renal replacement therapy patients in the operating room

Discussion:

Acute kidney injury (AKI) remains one of the most common causes for perioperative morbidity. Its incidence is associated with an elevated risk of death in most major surgeries. New AKI biomarkers enable earlier detection of renal injury. We will discuss their potential role in perioperative care. We will review new and old approaches to renal protection and the evidence that supports their application. Lastly, we will provide practical advice for patients coming to the operating room while on renal replacement therapy.