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Biography

Viachaslau Barodka has completed his MD at Byelarussian State Medical University in 2000. In 2008 he completed Anesthesiology residency training at Thomas Jefferson University, Philadelphia, PA. In 2009 Viachaslau Barodka moved to Baltimore, MD to complete Cardiothoracic Anesthesia fellowship at The Johns Hopkins University. He is currently associate professor at Johns Hopkins University and Clinical Director for cardiothoracic operations. He has over 40 publications. His H-index is 12. Barodka has been serving as reviewer of reputed Anesthesiology Journals.

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A REAL-TIME MONITOR TO DETECT THE ONSET OF ACUTE KIDNEY INJURY DURING CARDIAC SURGERY

Acute kidney injury after cardiac surgery is associated with increased morbidity and mortality. Methods for measuring urine output in real time may better ensure renal perfusion perioperatively in contrast to the current standard of care where urine output is visually estimated after empiric epochs of time. We developed an accurate method for monitoring urine output continuously during cardiopulmonary bypass. This may provide a means for setting patient-specific targets for blood pressure and cardiopulmonary bypass flow as a potential strategy to reduce the risk for acute kidney injury.



Note: