

Dave Beeston

POCUS: Ureteral obstruction

By the end of the lecture delegates should be able to:

- Recall POCUS techniques for the assessment of renal size and architecture
- Describe the technique for measurement of the renal pelvis
- Understand the limitations of renal pelvis measurement on POCUS
- Understand the limitations of POCUS for detecting a ureteral obstruction
- Interpret renal POCUS finding in context of the clinical history and physical examination findings

Hypertensive Emergency

Learning Objectives:

- To understand the normal regulation of vascular tone
- To understand the difference between hypertensive emergency and hypertensive urgency
- To recognise the common clinical presentations of hypertensive emergency
- To understand the relevant pharmacology and management strategies of hypertensive emergency

From Molecules to Medicine: Cellular Perspectives on Vasopressors and Inotropes in the ICU

Learning Objectives:

- To identify and understand the second messenger systems of the cardiovascular system
- To understand the mechanism of action of common haemodynamic agents
- To apply the cell-based pharmacological knowledge to a clinical case

Management of acute heart failure: panel discussion with cases

Learning Objectives:

- To understand when to consider inotropes and afterload reducers in acute CHF
- To understand the pros and cons of intermittent bolusing versus continuous rate infusions of diuretics
- To recognise and adapt to the challenges of managing CHF and acute kidney injury
- To understand the utility of intermittent thoracocentesis in acute CHF with pleural effusion

Management of arrhythmias: panel discussion with cases

Learning Objectives:

- To understand when rate control is required in patients with CHF
- To understand the limitations of a multiparameter ECG trace
- To understand the impact of electrolyte abnormalities on selecting anti-arrhythmic agents
- To identify therapeutic options beyond lidocaine in ventricular tachycardia

Multidisciplinary approach to pulmonary hypertension: case discussion

Learning Objectives:

- To utilise the ACVIM Consensus Statement to identify different groups of pulmonary hypertension
- To learn how to recognise pulmonary hypertension in the ICU and ER
- To understand the non-pharmacologic and pharmacologic management strategies of pulmonary hypertension in the ICU and ER