

CAP22 Oliguric patient

The trainee will be able to produce a differential diagnosis, establish safe monitoring, investigate appropriately and formulate an initial management plan when assessing a patient with a low urine output.		
Knowledge	Assessment Methods	GMP Domains
Understand the principal causes of a low urine output in the critically ill patient, and be able to identify the principal sub-causes (pre-renal, renal and post-renal), including but not limited to: hypotension and inadequate renal perfusion, renal tract obstruction, nephrotoxic drugs and contrast media	E, C, Mi, ACAT	1
Understand current terminology and classification of acute kidney injury	E, C, Mi, ACAT	1
Understand appropriate monitoring of the patient with a low urine output, including but not limited to: clinical assessment, urinary catheterisation, cardiovascular monitoring including pressure and flow monitoring techniques (see principles of monitoring cardiac output), arterial blood gases	E, C, Mi, ACAT	1
Understand the methods of assessment of renal function including but not limited to: blood tests, assessment of renal excretion, imaging of the GU tract	E, C, Mi, ACAT	1
Outline immediate management options including but not limited to: fluid resuscitation, increased cardiovascular monitoring, administration of vasoactive drugs and inotropes, the role of diuretics	E, C, Mi, ACAT	1
Understand the role of renal replacement therapy in the oliguric patient	E, C, Mi, ACAT	1
Be able to safely prescribe for patients in renal failure	E,C, Mi, ACAT	1
Skills		
Make a rapid and immediate assessment including appropriate clinical examination	Mi, C	1
Initiate appropriate immediate management	MI, C	1

Prioritise, order, interpret and act on simple investigations appropriately	Mi, C	1
Initiate early (critical) management (e.g. fluid administration) including requesting safe monitoring	Mi, C	1
Behaviour		
Recognise need for immediate assessment and resuscitation	ACAT, C	1
Assume leadership role where appropriate	ACAT, C	2,3
Involve appropriate senior help to facilitate immediate assessment and management	ACAT, C	3
Involve appropriate specialists to facilitate immediate assessment and management or decreased renal function (e.g. imaging, intensive care, surgeons, renal physicians)	ACAT, C	3