



**Royal College  
of Physicians**  
Setting higher medical standards

The Renal  
Association, the  
Royal College of  
Physicians and

e-Learning for Healthcare worked jointly on the Kidn-e project. Kidn-e consists of two modules: Acute Kidney Injury (AKI) and Chronic Kidney Disease (CKD). Each contains a series of interactive case-based sessions covering key material aimed at Foundation trainees and Core level trainees, but the cases will also be of benefit to Nephrology and other specialty trainees.

#### Acute Kidney Injury

AKI is common and important. It occurs to some degree in about 5% of hospital admissions and is not always well managed. The National Confidential Enquiry into Patient Outcomes and Death (NCEPOD) review of the care of patients who died in UK hospitals with a primary diagnosis of AKI found 1000 deaths across 217 hospitals in a three-month period. NCEPOD felt that in many of these cases, care could have been significantly improved.

The module covers the diagnosis and management of AKI. It describes how to determine whether it is caused by pre-renal failure / acute tubular necrosis, a renal inflammatory condition or urinary obstruction. It shows how AKI should be managed and, in particular, how to deal with the life-threatening complication of hyperkalaemia, and how to correctly resuscitate and then manage fluid balance.

#### Chronic Kidney Disease

This module encompasses sessions on the assessment and management of a patient with CKD, strategies to delay CKD progression, investigation and management of hypertension, and treatment of cardiovascular risk factors in CKD.

In addition, there are sessions on renovascular disease, diabetic nephropathy, medical treatment of the complications of advanced chronic kidney disease – including the pathophysiology, diagnosis and treatment of renal mineral bone disease, and the pathophysiology, diagnosis and treatment of renal anaemia. The module also includes two sessions on the effects of commonly used drugs in CKD and safe prescribing in a patient with CKD.



To access Kidn-e, go to  
[www.e-lfh.org.uk/projects/renal-medicine/access-the-e-learning/](http://www.e-lfh.org.uk/projects/renal-medicine/access-the-e-learning/)



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