



# Foundation Seminar in Kidney Disease and Transplantation

## Program

This seminar will be delivered by a combination of a 6-week self-paced learning package followed by a live one-day seminar

### Self-paced learning package available from Friday 8 March 2024

Topic	Learning Objectives
<p><b>Kidneys: structure and pathophysiology</b>  <b>Jess Lloyd</b>, Senior Pharmacist - Team Leader Renal and Transplant, Princess Alexandra Hospital, Qld</p>	<ul style="list-style-type: none"> <li>Outline basic kidney structure and pathophysiology</li> <li>Describe common terminology used in nephrology</li> </ul>
<p><b>Chronic Kidney Disease (CKD)</b>  <b>Carla Scuderi</b>, Assistant Director of Pharmacy Clinical, Pharmacy Department, Royal Brisbane and Women's Hospital, Brisbane, Qld</p>	<ul style="list-style-type: none"> <li>Review definitions for Chronic Kidney Disease (CKD), including staging and eGFR.</li> <li>Describe the common conditions that can cause and/or accelerate CKD.</li> <li>Discuss pharmacological and non-pharmacological options for slowing progression of CKD.</li> </ul>
<p><b>Acute Kidney Injury (AKI)</b>  <b>Hanh Tran</b>, Renal Pharmacist - Team Leader, Royal Adelaide Hospital, SA</p>	<ul style="list-style-type: none"> <li>Review definitions of Acute Kidney Injury (AKI)</li> <li>Describe causes, including medications, of AKI</li> <li>Outline management pathways for patients with AKI</li> <li>Explain follow up process for patients who have experienced AKI</li> </ul>
<p><b>CKD related complications</b>  <b>Jess Lloyd</b>, Senior Pharmacist - Team Leader Renal and Transplant, Princess Alexandra Hospital, Qld</p>	<ul style="list-style-type: none"> <li>Describe the management of CKD mineral bone disease (CKDMBD)</li> <li>Discuss causes of anaemia in patients with CKD</li> <li>Explain management options of anaemia in patients with CKD</li> <li>Outline pharmacological options used to correct fluid and electrolytes disturbances</li> </ul>
<p><b>Renal replacement therapies: Peritoneal dialysis</b>  <b>Sally Webb</b>, Clinical Nurse Consultant Kidney Rover, Department of Kidney Services, Division of Medicine, Princess Alexandra Hospital, Metro South Health, Brisbane, Qld</p>	<ul style="list-style-type: none"> <li>Describe how Peritoneal Dialysis (PD) works as a renal replacement therapy</li> <li>Discuss common complications seen in patients on PD</li> <li>Outline management pathways for pharmacists reviewing a patient on PD</li> </ul>
<p><b>Renal replacement therapies: Haemodialysis</b>  <b>Bec Livori</b>, Dialysis Pharmacist, Grampians Health, Ballarat, Vic</p>	<ul style="list-style-type: none"> <li>Describe how haemodialysis (HD) works as a renal replacement therapy</li> <li>Discuss common complications seen in patients on HD</li> <li>Outline management pathways for pharmacists reviewing a patient on HD</li> </ul>



<p><b>First Nations Health and CKD</b></p> <p><b>Dr Pratish George</b></p>	<ul style="list-style-type: none"> <li>• Identify key socioeconomic challenges in the indigenous population</li> <li>• Describe the prevalence of chronic kidney disease in ATSI populations.</li> <li>• Identify cultural determinants that can influence healthcare for indigenous patients</li> <li>• Identify the barriers to optimal health outcomes in the indigenous population</li> </ul>
<p><b>A pharmacist perspective: First Nations Health and CKD</b></p> <p><b>Teana Brewster-O'Brien</b>, <i>Senior Pharmacist – Teletrials, Australian Teletrial Program – NT, Clinical Innovation and Research, NT Health, Alice Springs, NT</i></p>	<ul style="list-style-type: none"> <li>• Explain how pharmacists can assist with Closing the Gap as part of the wider healthcare team</li> </ul>
<p><b>Drug dosing in kidney disease</b></p> <p><b>Jess Lloyd</b>, <i>Senior Pharmacist - Team Leader Renal and Transplant, Princess Alexandra Hospital, Qld</i></p>	<ul style="list-style-type: none"> <li>• Describe the available methods for estimating kidney function</li> <li>• Evaluate the limitations of these methods</li> <li>• Discuss the practical application of these estimates to drug dosing calculations</li> <li>• Outline available resources to assist with drug dosing in patient with CKD, including those on dialysis.</li> </ul>
<p><b>Purple House resources</b></p>	<ul style="list-style-type: none"> <li>• Gain insight into remote haemodialysis, logistics and challenges, growing initiative to help get patients dialysing back on country</li> </ul>



# Foundation Seminar in Kidney Disease and Transplantation

## Program

**Live virtual seminar: Saturday 20 April 2024**

*All times are listed in AEST. The below may be subject to change*

Time (AEST)	Session
0950-1000	Online login available.
1000-1005	<b>Welcome, introduction, housekeeping.</b> <b>Jess Lloyd</b> , Senior Pharmacist - Team Leader Renal and Transplant, Princess Alexandra Hospital, Qld
1005-1050	<b>Review of self-paced learning package content with open Q&amp;A</b> <b>Jess Lloyd</b> , Senior Pharmacist - Team Leader Renal and Transplant, Princess Alexandra Hospital, Qld
1050-1100	<b>Case session 1 introduction</b> <b>Jess Lloyd</b> , Senior Pharmacist - Team Leader Renal and Transplant, Princess Alexandra Hospital, Qld
1100-1200	<b>Case session 1 – AKI and prevention of CKD progression</b> <b>Tutors: Jess Lloyd, Carla Scuderi, Bec Livori, Stephanie Giles, Hanh Tran</b>
1200-1230	Break
1230-1315	<b>Renal replacement therapies: Transplant</b> <b>Carla Scuderi</b> , Assistant Director of Pharmacy Clinical, Pharmacy Department, Royal Brisbane and Women's Hospital, Brisbane, Qld
1315-1320	<b>Case session 2 introduction</b> <b>Carla Scuderi</b> , Assistant Director of Pharmacy Clinical, Pharmacy Department, Royal Brisbane and Women's Hospital, Brisbane, Qld
1320-1435	<b>Case session 2: Complex transplant case</b> <b>Tutors: Jess Lloyd, Carla Scuderi, Bec Livori, Stephanie Giles, Hanh Tran</b>
1435-1500	Break
1500-1505	<b>Case session 3 introduction</b> <b>Led by Stephanie Giles</b> , A/Director of Pharmacy, Alice Springs Hospital, Alice Springs, NT
1505-1600	<b>Case session 3: Complex case: Focus on Aboriginal and Torres Strait Islander health</b> <b>Tutors: Jess Lloyd, Carla Scuderi, Bec Livori, Stephanie Giles, Hanh Tran</b>
1600-1630	Open Q&A
1630	Close of live virtual seminar

*Please note: presentation recordings from the live virtual seminar will not be available.*