

MASTERCLASS IN LABORATORY TESTS

Program

This Masterclass is delivered by a combination of pre-seminar materials of approximately 3.5hrs, available from Monday 1 July, followed by a live one day virtual seminar.

The pre-seminar package comprises approximately 3.5hours of learning materials. The self-paced learning package materials must be completed prior to attending the live virtual seminar.

Knowledge gained from topics below within the pre-seminar package will be directly used in case sessions on the day.

Topic	Learning Objectives
<p>Micro tour of the micro lab</p> <p>Dr Lana Sundac, <i>Infectious Diseases Physician and Clinical Microbiologist, Princess Alexandra Hospital, Brisbane, Qld</i></p>	<ul style="list-style-type: none"> • Outline common cultures that are processed by a microbiology laboratory including blood, urine, tissues and swabs. • Discuss how samples are handled in the microbiology laboratory • Explain antimicrobial susceptibility testing used to report and guide treatment options
<p>Acid base balance</p> <p>Elizabeth Currey, <i>Acting Deputy Director of Pharmacy (Clinical Services), Princess Alexandra Hospital, Brisbane, Qld</i></p>	<ul style="list-style-type: none"> • Discuss the key concepts of respiratory acidosis and alkalosis • Discuss the key concepts of metabolic acidosis and alkalosis
<p>Heparin Induced Thrombocytopenia and Thrombosis Syndrome (HITTS)</p> <p>Karl Winckel, <i>Education and Training Pharmacist, Princess Alexandra Hospital, Brisbane, Qld</i></p>	<ul style="list-style-type: none"> • Describe the pathophysiology of HITTS • Describe diagnosis of HITTS • Identify the treatment of HITTS+
<p>Haematology: Coagulation tests and DOACs</p> <p>Dr Justin Ng, <i>Haematology Laboratory Registrar, Alfred Health, Melbourne, Vic</i></p>	<ul style="list-style-type: none"> • Describe commonly used coagulation tests • Discuss the impact of Direct Oral Anticoagulants (DOAC's) on coagulation tests. • Outline the process of drug level monitoring for DOAC's
<p>Calcium, phosphate and potassium abnormalities seen in patients with CKD</p> <p>Jess Lloyd, <i>Team Leader Pharmacist, Renal and Transplantation, Princess Alexandra</i></p>	<ul style="list-style-type: none"> • To briefly refresh potassium, calcium, phosphate abnormalities • Discuss laboratory markers relevant to CKD –MBD

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Program

Live virtual seminar - All times listed are in AEST

Please note program times are subject to change until the program has been finalised.

Live virtual seminar: Saturday 10 August 2024

Time (AEST)	Session
0950-1000	Online login available
1000-1015	Welcome, introduction and housekeeping
1015-1115	<p>Case presentation: Coagulation and platelet monitoring</p> <p>Led by Karl Winckel, Education and Training Pharmacist, Princess Alexandra Hospital, Brisbane, Qld</p>
1115-1200	<p>Case study session: Calcium, phosphate and potassium abnormalities seen in patients with CKD: Part 1</p> <p>Led by Jess Lloyd, Team Leader Pharmacist, Renal and Transplantation, Princess Alexandra</p>
1200-1230	Break
1230-1315	<p>Case study session: Calcium, phosphate and potassium abnormalities seen in patients with CKD: Part 2</p> <p>Led by Jess Lloyd, Team Leader Pharmacist, Renal and Transplantation, Princess Alexandra</p>
1315-1400	<p>Presentation: Blood gas interpretation</p> <p>Elizabeth Currey, Acting Deputy Director of Pharmacy (Clinical Services), Princess Alexandra Hospital, Brisbane. Qld</p>
1400-1420	Break
1420-1535	<p>Case study session: Microbiology application: from lab to patient</p> <p>Led by Zack Klyza, Pharmacist - Antimicrobial Stewardship, Princess Alexandra Hospital, Brisbane, Qld</p>
1535-1545	Close of live virtual Masterclass

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