

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 |

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

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