# Infections in Rural and Remote Queensland: High-Impact Learning for Doctors

**Preliminary Program**

9th June 2019

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Learning objectives</th>
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<td>08:00-08:15</td>
<td>Registration</td>
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<td>08:15-08:30</td>
<td>Introduction</td>
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<td>08:30-9:15</td>
<td>Doing it out in the Bush Speaker: Dr Malcom McDonald</td>
<td>• Describe the principles of Infection and Antimicrobials in the Bush</td>
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| 09:15-10:00 | Respiratory Tract Infections: getting it right Speaker: Dr James Brown | • Understand the interventions that are utilised in the management of upper and lower respiratory tract infections  
• Classify and discuss the empiric antimicrobial management of community acquired pneumonia for paediatric, adult and residents in residential aged care homes into mild, moderate and severe infection based on clinical presentation  
• Interpret results of microbiology tests and clinical factors to predict the likelihood of infection and recommend an appropriate pathogen-specific antibiotic regimen for various community acquired respiratory infections  
• Discuss the role of point of care tests upper and lower respiratory tract infections |
| 10:00-10:30 | Morning tea                                                          |                                                                                                                                                    |
| 10:30-11:30 | Skin and Soft Tissue Infections: a new take on an old foe Speaker: Dr Tash Coventry | • Review the infectious and non-infectious causes of inflammation of the skin and soft tissues and develop practical strategies for determining when antimicrobial therapy is warranted  
• Identify common pathogens in community acquired skin and soft tissue infections  
• Describe, in general terms, the underlying risk factors, pathophysiology, and evidence based empiric management of common and important skin and soft tissue infections |

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| 11:30 – 12:30 | Making the Most of your Microbiology Laboratory  
*Speaker: Dr Enzo Binotto*  
- Describe the classification of microorganisms, resistance determinants and the most likely empirical or directed treatment options based on the site of infection.  
- Examine optimal methods of specimen selection and collection to support microbiological diagnosis of infectious diseases  
- Outline and describe the various methods used in the microbiology laboratory to confirm an infection (i.e., microscopy, culture, biochemical, antigen detection, serology and molecular). Describe the general methods of antimicrobial sensitivity testing (including manual, semi-automated and automated methods).  
- Discuss the role of a hospital diagnostic microbiology laboratory and the contribution they make to patient care in the diagnosis of infectious disease, antimicrobial prescribing and hospital epidemiology (including infection prevention and control)  
- Interpret sensitivity reports in relation to a patient’s antimicrobial therapy as part of the pharmaceutical review process. Actively contribute expert advice in multidisciplinary discussions of potential treatment options for specific patient care. |
| 12:30 – 1:15 | Lunch |
| 1:15 – 2:15 | Sexually Transmitted Infections: what’s new  
*Speaker: Dr Darren Russell*  
- Describe, in general terms, the signs, symptoms, pathophysiology and principles of management of sexually transmitted infections.  
- Describe, in general terms, the underlying risk factors, pathophysiology, and evidence based empiric management of common and important sexually transmitted infections skin and soft tissue infections  
- Apply current and emerging evidence for the management of common and important sexually transmitted infections in specific population groups |
| 2:15 – 3:15 | Unique Australian Community Acquired Infections  
*Speakers: TBC*  
- Describe the underlying microbiology, pathophysiology, incubation periods and management of common and important infectious diseases.  
- Apply current and emerging evidence for the management of common and important infectious diseases.  
- Discuss the appropriate infection control practices for these infections and know when notification and other public health responses are required. |
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| 3:15 - 4:00  | Exploring the Therapeutic Guidelines: Antibiotics: what it means for GPs              | • Describe how to use the *Therapeutic Guidelines: Antibiotics* in General Practice  
• Apply the guidelines for the management of patients with infections  
• Review the latest updates of the *Therapeutic Guidelines: Antibiotics* |
| 4:00 - 4:15  | Wrap up -                                                                            |                                                                                                                                         |