SCCI2018

Short Course in Critical Infection
8-9 November Westmead Hospital
Message from the convener

Welcome to the Short Course in Critical Infection 2018.

We would like to thank all of the speakers presenting their work over the next 2 days and we are grateful to those who have travelled to be here for the short course.

Special thanks to our program committee for their time and contributions.

We acknowledge and pay our respects to the traditional custodians of the country on which we stand and our responsibility to respect and care for country, people and spirit.

Prof. Jon Iredell

Program Committee; Dr Jeremy Brown, Dr Pierre Janin, A/Prof. Nai An Lai, Dr Marianne Martinello, Prof. Ian Seppelt, Dr Amith Shetty

Survey
At the end of the course please take 2 minutes to complete the survey by scanning the code or following the link to our website, sydney.edu.au/medicine/criticalinfection/events
We value your feedback
Thank you
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>0815-0850</td>
<td>Registration/tea &amp; coffee</td>
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<tr>
<td>0850-0900</td>
<td>Introduction</td>
<td>Prof. Jon Iredell</td>
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| **Diagnostics**  
  **Chair: Jon Iredell** | **0900-0930** TDM for beta lactams – state of the art | Dr Indy Sandaradura                           |
| 0930-1000 | Disease severity scores, screening tools and time-critical dilemmas in ED sepsis management | Dr Amith Shetty                              |
| 1000-1030 | Morning Tea – served upstairs on level 2                               |                                                |
| **Immunocompromised Host**  
  **Chair: Marianne Martinello** | **1030-1100** Can we do better in preventing infection in liver transplant patients? | Dr Rebecca Davis                             |
| 1100-1130 | Cellular therapy for opportunistic viral and fungal pathogens – state of the art | Dr Emily Blyth                               |
| 1130-1200 | Update on simultaneous kidney pancreas transplant and the long-term complications | A/Prof. Germaine Wong                         |
| 1200-1230 | Biologicals and Infections: An Update                                 | Dr Lou Cooley                                  |
| 1230-1300 | Challenging infections in Paediatric Cystic Fibrosis patients          | A/Prof. Paul Robinson                          |
| 1300-1345 | Lunch – served upstairs on level 2                                     |                                                |
| **Antimicrobial treatment and resistance in the critically ill**  
  **Chair: Lou Cooley** | **1345-1415** The emergence and spread of vanA VRE in Australia       | A/Prof. Sebastian van Hal                     |
| 1415-1445 | Update on Antifungal Resistance and Therapy                           | Dr Brendan McMullan                            |
| 1445-1515 | A, B, C... Viral Hepatitis in Critical Care                           | Dr Marianne Martinello                        |
| 1515-1545 | Update on Gram Negative Infection                                     | Dr Jeremy Brown                                |
| 1545-1615 | Canapes and Drinks                                                    |                                                |
| 1615-1645 | Debate topic; There's no role for Antimicrobial Stewardship in the critically ill. Debate adjudicator – participant from the floor | For (There's no role) Jon Iredell, Indy Sandaradura, Jeremy Brown  
Against (There's a role) Nai An Lai, Tom Solano, Ashima Sharma |
## Program Friday 9th November 2018

### Therapeutics

**Chair: Jeremy Brown**

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>0900-0930</td>
<td>Duration of antimicrobial therapy in ICU related infections</td>
<td>Dr Tom Solano</td>
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<tr>
<td>0930-1000</td>
<td>Severe Pneumonia: Guidelines and Beyond</td>
<td>A/Prof. Nai An Lai</td>
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<tr>
<td>1000-1030</td>
<td>Treatment of severe Staphylococcus aureus infections with bacteriophage therapy - Westmead experience</td>
<td>Dr Aleksandra Petrovic Fabijan, Ms Josephine Ho</td>
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<tr>
<td>1030-1100</td>
<td>Morning tea – served upstairs on level 2</td>
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### ID and ICU - Top 10 things you need to know

**Chair: Nai An Lai**

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<tr>
<td>1100-1130</td>
<td>What ID Physicians need to know about intensive care</td>
<td>A/Prof. Ian Seppelt</td>
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<tr>
<td>1130-1145</td>
<td>Why don't my antibiotics work?</td>
<td>Dr Midge Asogan</td>
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<tr>
<td>1145-1200</td>
<td>Title: Ten (or so) New Things in Sepsis</td>
<td>A/Prof. Nai An Lai</td>
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<tr>
<td>1200-1230</td>
<td>What Intensivists needs to know about ID</td>
<td>Prof. Jon Iredell</td>
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<tr>
<td>1230-1245</td>
<td>Colonisation and Infection; the dynamic nature of normal flora</td>
<td>Dr Tim Gilbey</td>
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<td>1245-1300</td>
<td>The role of the micro lab is to hide information</td>
<td>Dr Archana Koirala</td>
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<tr>
<td>1300-1345</td>
<td>Lunch – served upstairs on level 2</td>
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### Cases

**Chair: Ian Seppelt**

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<tr>
<td>1345-1405</td>
<td>HAART-associated necrotising pancreatitis and MODS, CMV viraemia, cerebral toxoplasmosis, invasive candidiasis and pseudomonas colonisation</td>
<td>Dr Loki Johnk</td>
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<tr>
<td>1405-1425</td>
<td>Necrotising Skin and soft tissue infections : A review of concepts, management and evidence</td>
<td>Dr Ashima Sharma</td>
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<tr>
<td>1425-1455</td>
<td>Angio-invasive fungal infection causing ischaemic stomach, colon and MODS</td>
<td>Dr Sadie Callahan</td>
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<tr>
<td>1455-1515</td>
<td>Intra-abdominal challenges</td>
<td>Dr Aditee Parab</td>
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<td>1515-1520</td>
<td>Close</td>
<td>Prof. Jon Iredell</td>
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<tr>
<td>1520-1540</td>
<td>Afternoon tea</td>
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Dr Indy Sandaradura
ID Physician & Clinical Microbiologist at Westmead Hospital; Clinical Senior Lecturer at University of Sydney

Dr Amith Shetty
Staff Specialist, Westmead Hospital
Director, Hospital in the Home, WSLHD
Honorary Research Fellow, Westmead Millennium Institute, Clinical Adviser, eHealth NSW, Clinical Senior Lecturer, University of Sydney.

Dr Rebecca Davis
Senior Staff Specialist, Department of Infectious Diseases and Microbiology, Royal Prince Alfred Hospital

Dr Emily Blyth
Haematologist, Westmead Hospital
NHMRC Post-Doctoral Fellow and Senior Lecturer
Westmead Institute for Medical Research, University of Sydney
Deputy Medical Director, Sydney Cellular Therapies Laboratory
**Associate Professor Germaine Wong**  
Transplant nephrologist, The Westmead Institute for Medical Research

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**Dr Lou Cooley**  
Director, Department of Microbiology and Infectious Diseases, Royal Hobart Hospital

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**Dr Paul Robinson**  
Respiratory Staff Specialist, The Children’s Hospital, Westmead  
Research Associate, Airways Physiology and Imaging group, Woolcock Medical Research Institute

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**Associate Professor Sebastian van Hal**  
Senior Staff Specialist Department Microbiology and Infectious Diseases, Royal Prince Alfred Hospital
Dr Marianne Martinello
Lecturer, Viral Hepatitis Clinical Research Program, Kirby Institute
Infectious Diseases Physician, Blacktown Mt Druitt Hospital, Sydney

Dr Brendan McMullan
Paediatric Infectious Diseases Specialist and Microbiologist, Sydney Children’s Hospital, Randwick
Conjoint senior lecturer, School of Women’s and Children’s Health at UNSW

Dr Jeremy Brown
Infectious Diseases Physician & Clinical Microbiologist, Blacktown and Nepean hospitals

Professor Jon Iredell
Conjoint Professor of Medicine and Microbiology, University of Sydney
Senior staff specialist, Infectious Diseases and Microbiology, Westmead Hospital and NSW Pathology
**Associate Professor Nai An Lai**  
Director of Intensive Care, Mater Hospital, Brisbane  
Associate Professor, Griffith University

*Dr Tom Solano*  
VMO at Westmead NSW, Orange Health Service.  
Private Practice at Calvary Wakefield and Calvary North Adelaide

**Dr Aleksandra Petrovic Fabijan**  
Phage Biologist, The Westmead Institute of Medical Research

**Ms Josephine Ho**  
Registered Nurse Phage Therapy Research Coordinator  
Westmead Hospital
**Associate Professor Ian Seppelt**  
Senior Specialist in Intensive Care Medicine, Nepean Hospital and Sydney Medical School, University of Sydney  
Faculty of Medicine and Health Sciences, Macquarie University

**Dr Midge Asogan**  
Provisional fellow intensive care medicine, Nepean Hospital

**Dr Tim Gilbey**  
Microbiology registrar, Nepean Hospital

**Dr Archana Koirala**  
Paediatric Infectious Diseases and General Paediatric Trainee, Neonatal ICU, Children’s Hospital, Westmead
Dr Loki Johnk
Intensive Care Fellow, Mater Hospital, Brisbane

Dr Ashima Sharma
Fellow, Intensive Care Medicine

Dr Sadie Callahan
ICU Registrar and ECHO Fellow, Mater Hospital.

Dr Aditee Parab
Intensive Care fellow
For more information
http://sydney.edu.au/medicine/criticalinfection
E critical.infection@sydney.edu.au