



SCCI 2019

Short Course in Critical Infection

5-6 September, Mater Hospital, South Brisbane



THE UNIVERSITY OF
SYDNEY

Message from the program committee

Welcome to the annual Short Course in Critical Infection (SCCI) 2019.

The program committee would like to acknowledge the Traditional Custodians of the land on which we stand and work and we pay our respect to the Aboriginal and Torres Strait Islander elders past, present and emerging.

Since its inception in 2012 by Professor Jon Iredell, the SCCI has provided a unique platform for learning, collaboration and exchange of ideas among infectious diseases clinicians, microbiologists, intensive care practitioners, emergency medicine clinicians and pharmacists in the area of critical infections.

We are excited that this is the first time the course is being held outside of Sydney. As with all previous SCCIs, we are privileged to have eminent clinicians and leading researchers to be our faculty this year. You may notice a definite Queensland flavour in this year's program and we would like to take this opportunity to thank all the speakers for their time and efforts over the next two days. We would also like to acknowledge those of you who travelled from afar to support this course.

It is our sincere hope that you find the course exciting, meaningful and relevant to your clinical practice. Your opinion will help us to improve the course and we would love to have your feedback after the course.

Program Committee:

Prof. Jon Iredell, A/Prof. Nai An Lai, A/Prof. Paul Griffin, Dr Pierre Janin

Feedback

When you've completed the course please fill in the survey it takes less than 2 minutes, thank you.

Scan the QR code or

www.surveymonkey.com/r/FXV29TV



Program Thursday 5th September 2019

0745-0815	Registration	
0815-0830	Welcome Address	Prof Jon Iredell A/Prof Nai An Lai
Antimicrobial Resistance		
Chair: Prof Jon Iredell		
0830-0900	Update on gram positive infection and MIC testing	Dr Andrew Henderson
0900-0930	Update on multi-resistant gram negative infection	A/Prof Paul Griffin
0930-1000	Global epidemiology of sepsis	Prof Bala Venkatesh
1000-1030	Septic shock reversal: Predictors, mechanisms and clinical significance	Prof Bala Venkatesh
1030-1100	Morning tea	
Diagnostics		
Chair: A/Prof Nai An Lai		
1130-1200	New microbial diagnostics – clinical metagenomics	Dr Sanmarie Schlebusch
1200-1230	Machine learning and AI decision support in sepsis	A/Prof Brent Richards
1230-1300	Rapid diagnostic tools in respiratory infection	A/Prof Benjamin Tang
1300-1345	Lunch	
Immunocompromised Host, Infection Control and Immunotherapy		
Chair: Dr Pierre Janin		
1345-1415	What's in a cough: Implications for the care of patients with Influenza and MROs	Prof Scott Bell
1415-1445	Cellular therapy for opportunistic viral and fungal pathogens – State of the art	Dr Emily Blyth
1445-1515	Invasive Fungal Infections	Prof Geoffrey Playford
1515-1545	Biologics and Infections: An Update	A/Prof Paul Griffin
1545-1615	Canapes and drinks	
1615-1715	Round table discussion - Chair: Dr Amod Karnik Topics: 1. Code Sepsis: Recognizing and Responding to Patients with Sepsis in the Hospital Wards – paradigm shift or shifting sand? 2. Time to antibiotics as a KPI in sepsis care and increasing use of broad spectrum antibiotic as empirical therapy – how do we find the balance?	Panel members: Dr Shane Townsend Prof Bala Venkatesh A/Prof Paul Griffin Prof Jon Iredell A/Prof Nai An Lai

Program Friday 6th September 2019

Therapeutics

Chair: Dr Shane Townsend

0800-0830	TDM for Beta Lactams – State of the art	Prof Jason Roberts
0830-0900	Dosing of antimicrobials in critically ill patients	Prof Jeff Lipman
0900-0930	Vancomycin dosing and therapeutic drug monitoring: Practical tips and conundrum	Dr Mandy Ng
0930-1000	Phage Therapy	Prof Jon Iredell
1000-1030	Morning tea	

Interesting Bugs, Diseases and Syndromes

Chair: A/Prof Paul Griffin

1030-1100	Q fever and other significant zoonoses	A/Prof David Looke
1100-1130	Sepsis associated AKI	Prof Bala Venkatesh
1130-1200	Malaria – the essentials	Prof James McCarthy
1200-1230	Mycobacterial infections in the ICU	Dr Chris Coulter
1230-1315	Lunch	

Cases

Chair: Dr Loki Johnk, Dr Ravi Pillai

1315-1335	Overwhelming Salmonella sepsis from intentional ingestion of a live Gecko	Dr Jennifer Gaffney
1335-1355	Diphtheria bacteraemia with endocarditis and intraocular haemorrhage in an IVDU	Dr Matt Ciantar
1355-1415	Ureaplasma Urealyticum infection presenting as Xanthogranulomatous Pyelonephritis and Perinephric Abscess in an Immunocompromised Patient	Dr Alexander Ga-Onn Ngoo
1415-1435	Disseminated BCG infection	Dr Jared Eisemann
1435-1455	Severe Acute Pancreatitis with Infected Necrosis	Dr Gary Foo
1455-1515	Severe Legionnaires' Disease requiring ECMO	Dr Heidi Vogelbusch
1515-1520	Closing Address	Prof Jon Iredell A/Prof Nai An Lai
1520-1545	Refreshments	

Speakers in order of appearance on following pages



A/Prof Nai An Lai

Director, Intensive Care Services, Mater Health
Director of Clinical Governance, Surgical, Neurosurgery,
Acute Care and Cancer Services, Mater Health
Associate Professor, Griffith University



Prof Jon Iredell

Conjoint Professor of Medicine and Microbiology,
University of Sydney
Senior staff specialist, Infectious Diseases and
Microbiology, Westmead Hospital and NSW Pathology



Dr Andrew Henderson

Infectious Disease Physician
Princess Alexandra and QEII Jubilee Hospitals
Lecturer and PhD candidate, Centre for Clinical
Research, University of Queensland



A/Prof Paul Griffin

Infectious Diseases Physician and Clinical Microbiologist
Director of Infectious Diseases, Mater Health Services
Medical Director and Principal Investigator, Q-Pharm
Conjoint Associate Professor, School of Medicine,
University of Queensland



Prof Bala Venkatesh

Professor of Intensive Care, University of Queensland
Director of Intensive Care, Wesley Hospital



Dr Sanmarie Schlebusch

Staff Specialist Microbiology/Clinical Microbiologist,
Forensic & Scientific Services & Pathology Queensland;
Senior lecturer and researcher, University of
Queensland



A/Prof Brent Richards

Director of Critical Care Research and Medical Director
of Innovation, Gold Coast Health



A/Prof Benjamin Tang

Department of Intensive Care Medicine, Nepean
Clinical School, Faculty of Health Sciences,
University of Sydney
Centre for Immunology and Allergy Research,
Westmead Institute for Medical Research



Dr Pierre Janin

Intensivist, Royal North Shore Hospital



Prof Geoffrey Playford

Director of Infection Management Services and
Infectious Disease Physician
Princess Alexandra Hospital
Clinical Microbiologist, Pathology Queensland



Dr Emily Blyth

Ludwig Engel Fellow; Medicine, Westmead Clinical
School; The Westmead Institute for Medical Research;
Haematologist; Department of Haematology;
Westmead Hospital - BMT Cell Therapies



Prof Scott Bell

Executive Director – Research, Metro North Hospital
and Health Service; Senior Physician, The Prince Charles
Hospital; Group Leader, QIMR Berghofer Medical
Research Institute, Brisbane



Prof Jason Roberts

Professor of Medicine and Pharmacy,
University of Queensland



Prof Jeff Lipman

Professor and Head, Anaesthesiology and Critical
Care, The University of Queensland.
Research Ambassador, Royal Brisbane and Women's
Hospital.
Scientific Consultant, Nimes University Hospital,
University of Montpellier, Nimes, France.



Dr Mandy Ng

Pharmacist, Advanced (Infectious Diseases and
Antimicrobial Stewardship), The Queen Elizabeth II
Jubilee Hospital



A/Prof David Looke

Infectious Diseases Physician and Clinical Microbiologist
Associate Professor, The University of Queensland



Prof James McCarthy

Senior Consultant Infectious Diseases, Royal Brisbane and Women's Hospital
Lab Head Professor, Clinical Tropical Medicine,
Queensland Institute of Medical Research
Professor of Medicine, University of Queensland



Dr Chris Coulter

Director, Queensland Mycobacterium Reference Laboratory (QMRL) World Health Organization Collaborating Centre for Tuberculosis Bacteriology and Supranational Reference Laboratory, Central Laboratory, Pathology Queensland, Royal Brisbane and Women's Hospital



Dr Loki Johnk

Intensivist, Mater Health Services Brisbane



Dr Ravi Pillai

Intensivist, Mater Health Services Brisbane



Dr Jennifer Gaffney

Consultant Anaesthetist, The Mater and The Prince Charles Hospital



Dr Matt Ciantar

ICU PHO, The Queen Elizabeth II Jubilee Hospital



Dr Jared Eisemann

Infectious Diseases Physician Mater/Ipswich Hospital,
Senior Lecturer University of Queensland



Dr Gary Foo

Fellow, General Surgery
Mater Health Services Brisbane



Dr Heidi Vogelbusch
CMO, Mater Springfield
ICU, Sunnybank Private



Dr Alexander Ga-Onn Ngoo
Senior House Officer at the Queensland Children's
Hospital

Notes;



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For more information

Critical Infection

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