

PETER MACCALLUM CANCER CENTRE AND AUSTIN HEALTH PERIOPERATIVE MEDICINE SYMPOSIUM

Workshops

Friday March 20, 2020

PETER MACCALLUM CANCER CENTRE

Australian Resuscitation Council Accredited ALS2 Course (ANZCA, ANZICS, RACGP, RACP, ACEM CPD accredited)

(Two-day course, Friday March 20 and Sunday March 22, 2020)

Friday: 8am-6pm Sunday: 8am-6pm

Course directors: Dr Maria Perez and Dr Ian Richardson

Fees:

Full \$1,300

Trainee, nursing and allied health \$600

This Australian Resuscitation Council two-day course, as well as being accredited by the above colleges also fulfils the cardiac arrest component of the ANZCA CPD Emergency Response Activity. The successful candidate will be accredited by both the Australian Resuscitation Council (ARC) and New Zealand Resuscitation Council (NZRC) and will be accredited to lead a cardiac arrest team in any setting. This is an internationally recognised qualification valid for four years. A one-day revalidation in the last year extends this for a further four years. Participants will be able to describe the BLS and ALS algorithms which are aligned with current ILCOR guidelines, including "shockable" and "non shockable" rhythms. Candidates will be able to describe the reversible causes of cardiac arrest in any setting. Special circumstances within the perioperative setting are overviewed including anaphylaxis, local anaesthetic toxicity, amniotic fluid embolism, and complete heart block. An extensive pre-course manual is provided which is referenced throughout the course. Candidates will be trained through lectures, workshops and role play using safe supported simulated peri-operative based scenarios and tested through a final MCQ exam and scenario. Scenarios and workshops will teach and test proficiency in cardiac compressions, airway management, bag mask ventilation, safe external defibrillation, cardiac pacing, team leadership, the safe administration of resuscitation medications, effective crisis communication and post resuscitation care. This course is ideal for candidates who require training beyond or external to the ANZCA CPD scheme with the potential to be nominated for the ARC generic instructor candidate course leading to a qualification as an ALS2 instructor.

Emergency Response Workshop – ALS and Anaphylaxis

8.30-12.30pm

ANZCA recognition codes – Anaphylaxis: ER-17-AN-015

ANZCA recognition codes – Cardiac Arrest: ER-17-CA-013

Course directors: Dr Christelle Botha, Dr Trish Carroll,
Dr Michelle Gerstman

Fees:

Full \$300

Trainee, nursing and allied health \$150

This ANZCA endorsed Anaesthetic Emergency Responses Workshop will provide anaesthetists with a thorough review of the practical management of various intra-operative emergencies. The workshop aims to provide participants with the opportunity to improve their knowledge, technical skills and teamwork during various anaesthetic emergencies. This practical four-hour workshop will include a variety of presentations, skills stations and fully immersive simulation scenarios.

Course highlights include:

- Overview of the Australian Resuscitation Council endorsed cardiac arrest guidelines.
- Overview of causes of cardiac arrest that are specific to the perioperative setting (anaphylaxis, local anaesthetic toxicity, gas or fat embolism, high-spinal and complete heart block).
- Overview of the ANZAAG Anaphylaxis Management Guidelines.

THE AUSTIN

Airway Masterclass – VORTEX and beyond, including CICO workshop (ANZCA CPD accredited)

1.30-5.30pm

Course directors: Dr Nick Chrimes, Dr Jon Graham, Dr Louise Ellard

Fees:

Full \$300

Trainee, nursing and allied health \$150

This consultant-led session will allow participants to gain certification for the ANZCA CPD emergency response requirement for the management of the Can't intubate Can't oxygenate scenario. Participants will get hands-on with a surgical airway workshop incorporating front-of-the neck approaches to CICO, including cannula cricothyroidotomy, scalpel-bougie, Melker conversion and oxygenation via these devices. This surgical airway focus is combined with a session run by Dr Nick Chrimes on interpreting and using the VORTEX, as well as the opportunity to participate in simulation scenarios.

Anaphylaxis workshop

1.30-3pm

Course directors: Dr Chris Fiddes

Fees:

Full \$150

Trainee, nursing and allied health \$75

This ANZCA accredited workshop will enable anaesthetists to recognise the onset of suspected anaphylaxis and declare it as an "Anaphylaxis Emergency". A structured approach to commit to interventions to maintain or restore cardiovascular stability and oxygenation according to the ANZAAG Anaphylaxis Management Guidelines will be overviewed. Delegates will acquire updated knowledge of management guidelines, recognition of anaphylaxis, and rehearse emergency procedures that are essential components of training. Participants will also learn of electronic resources to assist them to develop an Anaphylaxis Box to be utilized in the event of anaphylaxis in all operating theatres where they work.

Major Haemorrhage workshop

3.30-5pm

Course directors: Dr Brett Pearce

Fees:

Full \$150

Trainee, nursing and allied health \$75

This ANZCA accredited workshop is designed to facilitate a detailed understanding and approach to major haemorrhage. Participants will be taught definitions of critical bleeding, and massive transfusion, how to identify approaches to stop critical bleeding, and recognise clinical risk factors that increase mortality with blood loss. The haematology and coagulation investigations indicated to quantify major haemorrhage will be overviewed. The minimum recommended requirements for massive transfusion including transfusion and resuscitation equipment; intravenous access; and personal support to undertake major resuscitation will be discussed. Finally, participants will be taught how to determine endpoints of resuscitation management, including fluid volume, selection of blood products and pharmacologic products, to maximise patient outcome.

Heads and Hearts Masterclass – Advanced Brain and Advanced Haemodynamic Monitoring

1.30-5.30pm

Course Directors: Prof Adrian Gelb, A/Prof Laurence Weinberg, Dr Dean Cowie

Fees:

Full \$300

Trainee, nursing and allied health \$150

EEG masterclass: This masterclass will cover neurological and cerebral oximetry monitoring, with focus on the use of EEG and regional oximetry using near-infrared spectroscopy (NIRS) and reflectance pulse oximetry. Participants will understand the value of continuous real-time EEG monitoring and its impact on depth of anaesthesia and adequacy of cerebral perfusion, which can provide important therapeutic information in a variety of clinical settings. The current clinical utility of NIRS in the detection of cerebral ischaemia will be discussed. In addition, the application of cerebral oximetry sensors to somatic tissue beds including splanchnic, renal and spinal cord will be explored. A practical overview of this emerging technology will be demonstrated. Participants will understand factors that determine oxygen delivery to the brain, how to interpret cerebral arterial oxygen saturation and learn the perioperative therapeutic management strategies that may be considered to improve neurological and other clinical outcomes in patients undergoing major surgery.

Advanced haemodynamic monitoring masterclass: The advanced haemodynamic masterclass is a hands-on, practical and real-time session focusing on the Flotrac® and ClearSight® devices and their use in managing and understanding peri-operative haemodynamic states. Similar workshops have been successfully delivered at national and international meetings. A practical demonstration using an invasive arterial line in a human volunteer (consented) will be used to showcase how these devices function in real-time. Participants will be provided with detailed, practical and pragmatic information on how to set up, use and understand the intricacies of both devices. This session involves simulated cases, illustrating the utilisation of Advanced Haemodynamic Monitoring in everyday clinical practice, allowing participants to assess and respond to a variety of commonly encountered clinical situations. Finally, downloading haemodynamic data from the devices will be taught, in addition to how to analyse this data, which will be invaluable for clinical research. Semi-closed loop systems to avoid intra-operative hypotension will also be discussed.

Intraoperative Ventilation Masterclass

1.30-5.30pm

Course directors: Professor Javier Garcia Fernandez, Dr Dharshi Karalapillai

Fees:

Full \$300

Trainee, nursing and allied health \$150

The purpose of the combined theoretical session and workshop is to give you a deep knowledge about circle systems and mechanical ventilation. This will be an interactive hands-on workshop with different clinical scenarios including a workshop with an isolated lung model. Participants will also learn lung recruitment manoeuvres while individualising treatment to specific lung conditions.

Cardiac Arrest (ANZCA CPD accredited)

1.30-5.30pm

Course directors: Dr Shiva Malekzedah

Fees:

Full \$300

Trainee, nursing and allied health \$150

This ANZCA accredited workshop is aligned to the ALS guidelines co-badged by the Australian Resuscitation Council and the New Zealand Resuscitation Council that ANZCA exclusively endorses.

At the completion of this workshop, participants will be able to describe the BLS and ALS algorithms including "shockable" and "non shockable" pathways, and describe reversible causes of cardiac arrest in any setting. The recognition of other causes of cardiac arrest that are relatively specific to the perioperative setting (anaphylaxis, local anaesthetic toxicity, gas or fat embolism, high-spinal and complete heart block) will be overviewed. Management of patients with cardiac arrest, including proficiency with external cardiac compression, need for early defibrillation, and the safe use of a defibrillator will be emphasised. Finally, all participants will familiarise themselves with appropriate selection and administration of drugs in cardiac arrest, and be able to practice leadership skills in running a cardiac arrest. The fundamentals of post-resuscitation care will be overviewed.

Sunday March 22, 2020

PETER MACCALLUM CANCER CENTRE

Perioperative Exercise Testing (CPET) and Training (Prehabilitation) Course. In partnership with POETTS (UK)

(Two-day course, Sunday March 22 and Monday March 23, 2020)

Sunday: 8am-6pm

Monday: 8.30am-5pm

Course Directors: Dr Hilmy Ismail and Professor Bernhard Riedel

Fees:

Full \$850

Trainee, nursing and allied health \$500

This workshop, in affiliation with the Perioperative Exercise Testing and Training Society (POETTS, UK – <http://poetts.co.uk/home>), brings together UK and Australian experts in Cardiopulmonary Exercise Testing (CPET) with a focus on risk stratification and guiding Prehabilitation (optimization of modifiable risk factors) prior to major surgery.

Prehabilitation involves proactive patient management prior to surgery with a comprehensive medical review, exercise programs, smoking cessation, correction of anaemia and nutritional interventions to help cope with the stress of surgery, thereby delivering on the value proposition of Perioperative Medicine.

Join us in learning the essentials of performing CPET, interpreting CPET reports and also update your knowledge on Prehabilitation.

Please note that this workshop is running in conjunction with the 2020 Peter MacCallum Cancer Centre and Austin Health Perioperative Medicine Symposium.

SDM and Communication masterclass

8.30am-5.30pm

Course directors: Dr Deb Leung

Fees:

Full \$600

Trainee, nursing and allied health \$350

This one-day workshop will help you acquire the skills to engage your high-risk surgical patients in Shared Decision Making. Participants will be provided with practical models of how Shared Decision Making can be incorporated into the care of high-risk surgical patients both before and after surgery. They will also learn communication skills that will help them initiate these difficult conversations. This will be followed by an afternoon of experiential learning facilitated by professional actors and communication-skills experts. This workshop is suited to all clinicians, nurses, allied health staff and trainees who work with patients in the perioperative period and want to increase their communication skills to discuss issues relating to Shared Decision Making and Advance Care Planning.

Emergency Response Workshop – ALS and Anaphylaxis

8.30-12.30pm

ANZCA recognition codes – Anaphylaxis: ER-17-AN-015

ANZCA recognition codes – Cardiac Arrest: ER-17-CA-013

Course directors: Dr Christelle Botha, Dr Trish Carroll, Dr Michelle Gerstman

Cardiac Arrest and Anaphylaxis (ANZCA CPD WORKSHOP)

Fees:

Full \$300

Trainee, nursing and allied health \$150

This ANZCA endorsed Anaesthetic Emergency Responses Workshop will provide anaesthetists with a thorough review of the practical management of various intra-operative emergencies. The workshop aims to provide participants with the opportunity to improve their knowledge, technical skills and teamwork during various anaesthetic emergencies. This practical four-hour workshop will include a variety of presentations, skills stations and fully immersive simulation scenarios. Course highlights include:

- Overview of the Australian Resuscitation Council endorsed cardiac arrest guidelines.
- Overview of causes of cardiac arrest that are specific to the perioperative setting (anaphylaxis, local anaesthetic toxicity, gas or fat embolism, high-spinal and complete heart block).
- Overview of the ANZAAG Anaphylaxis Management Guidelines.

Australian Resuscitation Council Accredited ALS2 Course (ANZCA, ANZICS, RACGP, RACP, ACEM CPD accredited)

(Two-day course, Friday March 20 and Sunday March 22, 2020)

Course directors: Dr Maria Perez and Dr Ian Richardson

Fees:

Full \$1300

Trainee, nursing and allied health \$600

This Australian Resuscitation Council two-day course, as well as being accredited by the above colleges also fulfils the cardiac arrest component of the ANZCA CPD Emergency Response Activity. The successful candidate will be accredited by both the Australian Resuscitation Council (ARC) and New Zealand Resuscitation Council (NZRC) and will be accredited to lead a cardiac arrest team in any setting. This is an internationally recognised qualification valid for four years. A one-day revalidation in the last year extends this for a further four years. Participants will be able to describe the BLS and ALS algorithms which are aligned with current ILCOR guidelines, including "shockable" and "non shockable" rhythms. Candidates will be able to describe the reversible causes of cardiac arrest in any setting. Special circumstances within the perioperative setting are overviewed including anaphylaxis, local anaesthetic toxicity, amniotic fluid embolism, and complete heart block. An extensive pre-course manual is provided which is referenced throughout the course. Candidates will be trained through lectures, workshops and role play using safe supported simulated peri-operative based scenarios and tested through a final MCQ exam and scenario. Scenarios and workshops will teach and test proficiency in cardiac compressions, airway management, bag mask ventilation, safe external defibrillation, cardiac pacing, team leadership, the safe administration of resuscitation medications, effective crisis communication and post resuscitation care. This course is ideal for candidates who require training beyond or external to the ANZCA CPD scheme with the potential to be nominated for the ARC generic instructor candidate course leading to a qualification as an ALS2 instructor.

THE AUSTIN

Anaphylaxis workshop

8.30-10am

Course directors: Dr Chris Fiddes

Fees:

Full \$150

Trainee, nursing and allied health \$75

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Major Haemorrhage workshop

10.30am-12pm

Course directors: Dr Brett Pearce

Fees:

Full \$150

Trainee, nursing and allied health \$75

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Heads and heart masterclass – advanced brain and advanced haemodynamic monitoring

8.30am-12.30pm

Course directors: Professor Adrian Gelb, Associate Professor Laurence Weinberg, Dr Dean Cowie

Fees:

Full \$300

Trainee, nursing and allied health \$150

EEG masterclass: This masterclass will cover neurological and cerebral oximetry monitoring, with focus on the use of EEG and regional oximetry using near-infrared spectroscopy (NIRS) and reflectance pulse oximetry. Participants will understand the value of continuous real-time EEG monitoring and its impact on depth of anaesthesia and adequacy of cerebral perfusion, which can provide important therapeutic information in a variety of clinical settings. The current clinical utility of NIRS in the detection of cerebral ischaemia will be discussed. In addition, the application of cerebral oximetry sensors to somatic tissue beds including splanchnic, renal and spinal cord will be explored. A practical overview of this emerging technology will be demonstrated. Participants will understand factors that determine oxygen delivery to the brain, how to interpret cerebral arterial oxygen saturation and learn the perioperative therapeutic management strategies that may be considered to improve neurological and other clinical outcomes in patients undergoing major surgery.

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Hot Echocardiography: Transthoracic echo – from beginner to expert in four hours

8.30am-12.30pm

Course directors: Dr Raymond Hu and Dr Chong Tan

Fees:

Full \$300

Trainee, nursing and allied health \$150

This echocardiography workshop is designed to advance the skills of anaesthetists, intensivists and perioperative physicians in the use of point-of-care transthoracic echocardiography (TTE). Focused cardiac examination with ultrasound is increasingly recognised as an important tool in the haemodynamic assessment of patients in the acute care settings and in critical care medicine. This workshop will allow delegates to practice and refine their existing skills in echocardiography with the opportunity to scan both healthy models and patients with a range of disease states under active supervision. Places are strictly limited to allow for maximum scanning time and direct mentoring from experts for the duration of the 4-hour workshop.

Intraoperative Ventilation Masterclass

8.30am-12.30pm

Course directors: Professor Javier Garcia Fernandez, Dr Dharshi Karalapillai

Fees:

Full \$300

Trainee, nursing and allied health \$150

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8.30am-12.30pm

Course Directors: Dr Shiva Malekzedah

Fees:

Full \$300

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