It has now been 2 years since we moved down North Terrace into the new Royal Adelaide Hospital. Training and Research both remain a major focus of our Unit, and in this Newsletter we highlight some of our achievements over the past 12 months, as well as including some information about our mentoring program, bereavement project, SAICA and its activities, registrar travel stories, and a list of upcoming local courses.

Another strength of our Unit is the social aspect. Longstanding traditions include the morning coffee ‘meetings’ (see below) and weekend group lunches with newspaper quiz. With regard to the latter, we have noted an ongoing lack of knowledge about mid-20th century musicals, the works of Shakespeare and American history, and so any registrars who would like to work with us in the future and who have expertise in those areas will be strongly considered for a position.

This is an annual publication, so if you are aware of any other achievements that we have unfortunately omitted, please let us know!

RAH ICU Facts and Figures

The Royal Adelaide Hospital ICU is the busiest Level 3 Unit in South Australia, and in the 12 months from July 2018 to June 2019, we admitted 3731 patients. About 13% were direct admissions following cardiac surgical procedures, 9% were trauma, 5% sepsis with shock, 5% pneumonia without sepsis, 4% subarachnoid haemorrhage, 4% craniotomy for neoplasm, 4% respiratory neoplasm surgery, 4% drug overdose, 4% following cardiac arrest, 3% ENT cancer surgery, and 2% gastrointestinal bleeding. Operating theatres were the source of admission for 50% of our patients, 29% were admitted directly from the Emergency Department, 15% from the wards, and 6% were transferred directly from another hospital to our ICU.

The Unit currently has 44 Registrars (42 FTE) on the roster (17 registered with the CICM) from a variety of backgrounds and training programs, and with very different levels of experience and long-term goals.

SOME OF OUR 2018/2019 ACHIEVEMENTS

RESEARCH

32 publications in peer-reviewed journals
Numerous research grants and scholarships
Presentations at scientific meetings
Faculty of Health and Medical Sciences Executive Dean’s Award for Research, University of Adelaide, 2018
Tub Worthley Travelling Scholarship 2019
Establishing the ICU Bereavement Project

TEACHING AND TRAINING

3 Registrars passed the CICM Fellowship Exam, and 3 passed the Primary Exam
Highly successful Primary and Fellowship CICM Exam Courses

Involvement in number of other Courses including:
• Cardiac Surgery Advanced Life Support (CALS) Courses
• BASIC Courses
• SA Critical Care Ultrasound Courses
• RAH Postoperative Care of the Cardiothoracic Patient Courses
Congratulations to Kris Hayres who passed the CICM Fellowship Exam in October 2018, and Guido Janssen and Sandeep Sethi who made it through in May this year. Kris will now move overseas (see below), Guido will spend some more time with Medstar (retrievals), and Sandeep is staying with us for at least another 6 months.

Congratulations also to Abby McArthur, Vivek Rajendran and Matt Hauser for passing the CICM Primary Exam.

In overseas news, Nikki Yeo has just completed 12 months as a Senior Clinical Fellow in Neurosciences and Trauma Critical Care at the Addenbrooke’s Hospital in Cambridge, and has now moved to a Clinical Fellow position in Critical Care at the Royal Papworth Hospital.

Michael Davies has also taken up a Clinical Fellow position at the Royal Papworth this year, concentrating on cardiothoracics, transplant and ECMO-related critical care.

Kris Hayres will be starting as a Senior Clinical Fellow in Paediatric Intensive Care at the Royal Hospital for Children in Glasgow in September. Hopefully she remembers to take matching shoes (see back page…).

The Twelfth Annual Tub Worthley Travelling Scholarship was won by Sam Westaway (RAH) in May this year for his presentation, ‘Is medical handover of patients discharged from the RAH ICU optimal?’. This is awarded for the best registrar research presentation at the annual South Australian ANZICS meeting. Other registrars from the RAH who presented their research on the night were Gillian Crowe and Tej Murthy, as well as medical student, Sarah Howson.

The 37th running of the South Australian Intensive Care Fellowship Exam Course was held in February this year, with 30 candidates from Australia and New Zealand (photo below). There were once again over 30 faculty, including 11 from the RAH and 7 from interstate. Hot Case practice sessions were held at the RAH, QEH, FMC and LMHS. The 2019 Course was flooded with applications, filling up within 24 hours. Increasing numbers of trainees are sitting the Fellowship Exam, and so if you are planning to sit in 2020, make sure you apply for the course as soon as registrations open in September this year or you are likely to miss out. However, it is important to note that it is very much focused on preparing candidates for the Exam, rather than trying to teach the intensive care curriculum in 3 days. Candidates are therefore expected to have done significant preparation beforehand. There will also be a change of venue in 2020. We have really enjoyed being based at Ayers House for many years, but will be moving to the Playford Hotel (still in the centre of Adelaide) next year.

The South Australian Primary Examination Course was held in July. Mark Finnis has been coordinating it for many years now, with assistance from a number of the RAH and FMC Intensivists. It is an intensive 5 days, but excellent preparation for the CICM(and ANZCA) Primary Exam. Places are limited to 24 and it also invariably over-subscribed - so make sure you register early.

The South Australian Critical Care Ultrasound Course is a 2-day course on focused cardiac, lung, abdominal and procedural ultrasound relevant to critical care, and is held twice a year.

A new initiative this year is the South Australian ICU Registrar Network, which was set up by Kris Hayres and Aniket Nadkarni to bring ICU registrars together from across the State. More details are contained later in this Newsletter.

Along those lines, the 6th Trainee Lecture Series day was held in April, and was chaired by one of our Senior Registrars, Rob Grieve. Speakers were Toby Coates (Renal), Ranjan Joshi (Obstetrics), Subodh Ganu (Paediatrics) and Stewart Moodie (ICU), and it was attended by registrars from the different hospitals.

At the RAH, there is a comprehensive 2-day orientation program around the major registrar changeover dates (in February and August) for registrars new to the Unit, including a full-day Postoperative Care of the Cardiothoracic Patient Course, an extended patient-scenario discussion, and a session on CVC insertion.

A list of upcoming local ICU Courses is included at the end of this Newsletter.

Education and Training

Registrar Mentoring Program

We run a formal mentoring/support program for all trainees in ICU at the RAH. This process is separate from any skill or competency-based assessment and is aimed purely at providing psychological, emotional and practical support for our junior doctors. Our aim is therefore for it to remain completely separate from any formal College assessments. This program and any discussions or conversations are confidential and are not shared with any external person or group unless at the express wish of the trainee concerned.

A number of the Consultants and Chief Registrars have volunteered to participate and feel this is worthwhile. They work in groups of two or three, and each trainee will be assigned to one of these groups in the first instance. We hope that this ensures easy availability and access to at least one of their mentors at all times and also addresses any potential personality differences which may arise. This is not designed to limit access to any of the consultant group, as it is recognised that trainees will have multiple mentors over their career, often with a specific focus at a particular time. They are therefore encouraged to use any and all opportunities to communicate and engage with any consultant as they need. The main purpose of this formal process is to help and support trainees in whatever way possible and to try to ensure that nobody falls between the cracks.


Book Chapters


A selection of presentations at scientific meetings


PhD Students

2017 - Samuel Gluck (University of Adelaide)
2018 - Tej Murthy (University of Adelaide)

Honours Student

2019 - James Whitehead (University of Adelaide)

Research Prizes

1. Raith E. Dr Roneal Naidu Memorial Prize for Impactful Surgical Research, Faculty of Health and Medical Sciences, University of Adelaide, 2018.

2. Chapman MJ. Faculty of Health and Medical Sciences Executive Dean’s Award for Research. University of Adelaide, 2018.


ICU Registrar Positions at the RAH


If you are thinking about ICU as a career and would like to discuss your options, Drs Nick Edwards (chopper45@iprimus.com.au), Jon Fraser (jdfraser62@gmail.com), Richard Strickland (rich.stricko@gmail.com) and Ken Lee (kenneth.Lee@sa.gov.au) are the ICU (CICM) Supervisors of Training at the RAH – and we are always happy to have a chat.

Simulation Sessions

Multidisciplinary simulation sessions involving ICU Registrars are held twice a week in our Sim Lab. They are facilitated by ICU Simulation Clinical Nurses and our Chief and Senior Registrars. Registrars complete at least one practical simulation every 3 months.
**Research Grants**

2019  
Project Title: Nutrient regulation in survivors of critical illness.  
Value: $48,425

2019  
Sierp E, Chapple L, Yandell R, Kurmis R, Chapman M. Royal Adelaide Hospital Allied Health Grant.  
Project Title: Factors that influence severity and timing of gastrointestinal motility in critically ill burn patients.  
Value: $26,618

2019  
Murthy T. European Association for the Study of Diabetes - Travel Grant.  
Value: £1,200

2018  
Jones KL, Chapman M, Horowitz M, Chapple L, Marathe C. University of Adelaide, Faculty of Health and Medical Sciences (2018 Research Infrastructure Funding Award).  
Project Title: Digirad/ERGO Portable Gamma Camera for the scintigraphic measurement of gastric emptying in ‘high-risk’ clinical research.  
Value: $136,784

2018  
Project Title: Digirad/ERGO Portable Gamma Camera for the scintigraphic measurement of gastric emptying in ‘high-risk’ clinical research.  
Value: $200,000

2018  
Jones KL, Chapman M, Horowitz M, Chapple L, Marathe C. The Hospital Research Foundation.  
Project Title: Digirad/ERGO Portable Gamma Camera for the scintigraphic measurement of gastric emptying in ‘high-risk’ clinical research.  
Value: $150,000

2018  
Raith E. Royal Adelaide Hospital Clinical Project Grant.  
Project Title: PRevention of Opioid-associated constipation in Ventilated INtensive CarE patients (PROVINCE) Study.  
Value: $50,000

2018-20  
Project Title: Protein Absorption and Kinetics in Critical Illness (APP1144496).  
Value: $1,233,268

2018-19  
Chapman MJ, Deane AM, Young PJ. Hospital Research Foundation; Translational Project Grant.  
Project Title: The effect of protein dose on clinical outcomes in critically ill patients (TARGET_Protein).  
Value: $250,000

2018  
Project Title: The effect of standard versus energy dense feeds on gastric emptying and glucose metabolism in critically ill patients.  
Value: $25,000 USD

2018  
Project Title: An open-source smartphone application to monitor patients prior to and following elective coronary artery bypass grafting: A prospective cohort study (The SMART-HEART Study).  
Value: $16,805

2018  
Chapple L, Summers M, Weinel L, Chapman M. Royal Adelaide Hospital Clinical Project Grant.  
Project Title: Resolution of Elements Influencing Nutritional STatus After criTical illnEss (REINSTATE trial).  
Value: $49,959

2018  
Gluck S. Society Of Critical Care Medicine. THRIVE Grant.  
Project Title: The feasibility of establishing a peer support group for ICU survivors at the Royal Adelaide Hospital.  
Value: $1,000 USD

2018  
Raith E, Bellette J, Starney L, Millar J, d’Udekem Y. WCH Foundation MS McLeod Departmental Grant.  
Project Title: The characteristics and outcomes of children undergoing cardiac surgery in Australia.  
Value: $10,000
Project Title: Intensive nutrition in critically ill adults: A pilot randomised controlled study.
Value: $2,400,000

Project Title: Re-EValuating the Inhibition of Stress Erosions (REVISE): Gastrointestinal bleeding prophylaxis in ICU.
Value: $2,955,164

Project Title: Liberal glUcose Control in critically Ill patient with pre-existing type 2 Diabetes (LUCID): a phase IIB multi-centre single-blinded parallel group randomised control trial.
Value: $25,000

Project Title: The Augmented versus Routine approach to Giving Energy Trial (TARGET).
Value: $3,534,236

Project Title: The Augmented versus Routine approach to Giving Energy Trial (TARGET).
Value: $1,200,000 NZD

Project Title: Centre of Research Excellence in Translating Nutritional Science to Good Health.
Value: $2,499,990

Current Research Funding Scholarships

Investigator: Chapple L. Value: $327,192.00.

Investigator: Chapple L. Value: $240,000.

2018 - 2020: Faculty of Health and Medical Sciences Divisional Scholarship (University of Adelaide).
Investigator: Murthy T. Value: $28,000 per year.

2018 - 2020: Dawes top-up Scholarship for PhD students.
Investigator: Murthy T. Value: $5,000 per year.

2019: SAICA Research Travel Grant. To present at European Association for the Study of Diabetes (Barcelona, 2019 Sept).
Investigator: Murthy T. Value $10,000.

2017 - 2019: Royal Adelaide Hospital AR Clarkson Scholarship.
Investigator: Gluck S. Value: $150,000.

Investigator: Ali Abdelhamid Y. Value: $300,000.

Tuesday Journal Club and Registrar Teaching

Journal Club is held every Tuesday afternoon, where senior registrars present and critique a combination of recent and seminal journal articles, or registrars present their Clinical Audits. This is followed by a Registrar Teaching Session which varies in content between registrar-led presentations, senior registrar or consultant-led topic teaching, and ECHO/ultrasound teaching.

Looks like we were a bit short of chairs for this session....
ICU Registrar Involvement in Research and Clinical Audits

Research
Registries, and ICU (CICM) trainees in particular, are actively encouraged to participate in research on the Unit, both in terms of personal research and larger trials. Significant support is also available for CICM trainees for their Formal Project requirements, and they are encouraged to present and publish their results.

The Tub Worthley Travelling Scholarship Dinner is run annually in May with the support of Pfizer, and provides trainees with an excellent opportunity to present their research to Intensive Care colleagues from across the State, and compete for the Scholarship.

Trainees are also encouraged to present their research at the annual Australian and New Zealand Intensive Care Society (ANZICS) ASM and the CICM ASM.

Clinical Audits
It is also an expectation that all CICM trainees at the RAH will undertake a clinical audit every 6 to 12 months in an aspect of critical care practice that interests them, which they will present at one of the weekly ICU Journal Clubs. We also recommend that residents and registrars not in the CICM training program take the opportunity to undertake a clinical audit and they will be actively encouraged and supported to do so. After a slow start to this initiative in 2018, it has really gained some traction this year, with audits now being regularly presented by the registrar group.

Upon successful completion, registrars may also have the opportunity to present their findings further afield depending on the quality and findings of their audit. They will be presented with a formal document of completion that can be used in support of future competitive applications. This audit activity also forms an important component of the training assessment for CICM trainees.

South Australian Intensive Care Association

SAICA is a not-for-profit association that oversees a number of educational courses in South Australia as well as promoting, encouraging and financially supporting educational and research activities in the area of Intensive Care Medicine.

It also awards travel grants to assist Intensive Care registrars and Honours/PhD students to present their research at international or national meetings.

Activities this year have included;
- purchase of Blue Phantom ultrasound model
- upgrade of iSimulate at QEH and FMC
- purchase of simulation aids at RAH (eg cannulation pads)
- travel grant for Tej Murthy to present PhD research at European Association for the Study of Diabetes in Barcelona
- sponsorship of ICU Trainee Lecture Series day
- travel assistance for Nikki Yeo (England) to present RAH Bereavement Project at RAH Medical Grand Round and ANZICS ASM (Melbourne)
- Departmental Osler website subscription for ICU Registrars
- Departmental Crit-Iq website subscription for ICU Registrars and Consultants
- Survey Monkey and Dropbox subscriptions
- financial assistance for the transport of obsolete equipment and supplies from the old RAH to areas in need in Papua New Guinea (see below)
- covering the cost of this Newsletter

Application forms for travel scholarships can be obtained by contacting:
Nick Edwards, C/- ICU, Royal Adelaide Hospital
chopper45@iprimus.com.au

www.icuadelaide.com.au
ICU Registrar Travel Stories

Gill
I came to Australia in August 2017 to treat a serious vitamin D deficiency contracted during my Intern year in Dublin, Ireland. After completing a 3 month RMO term in ICU during a general year on the wards, I managed to sneak back into ICU as a junior reg for another year. Although my mum didn't speak to me for a week, staying on a second year in ICU was a stroke of genius (and I can confirm she eventually got over it).

The first I had heard of Adelaide was when I was hustled into applying there by a disorganised intern friend who had not got his act together in time to apply to hospitals in Dublin-down-Under (AKA Perth!). The minute we arrived however, it was clear to us that Adelaide was Australia's best kept secret. Nestled between beautiful gum-tree forested hills and an endless stretch of pristine sandy beach, Adelaide is a relaxed and friendly city with a brilliant food scene, many a cool bar and countless delicious cafes for an insta-grammable brunch. Adelaide also enjoys one of the best climates in Australia, with long, warm (and only occasionally over 40 degrees) summers and dry winters, making it the perfect place for cycling, rowing, running, hiking and trying out all manner other weird Australian sports (looking at you surf lifesaving). Due to the exceptional rota-skills of the ICU secretary Kris and the very civil 38 hour working week, you will often have multiple days off between shifts to explore without taking annual leave. With Adelaide airport only 15 minutes from the RAH, and Aussie airport security being significantly looser than Europe (only at the airport 15 minutes before departure time? Be graaaaaaand), short breaks to Melbourne, Sydney and further afield to Bali and beyond are real possibilities. That said, you could (and should!) easily spend a lifetime exploring beautiful SA, where you'll find beautiful beaches, arid deserts, eucalyptus forests, world class wineries and some of the most lovely and friendly people I have ever met.

On the work front, the RAH ICU is an extremely sociable, friendly department with approachable consultants and an experienced reg cohort consisting of both international and local trainees. Teaching is an integral part of the ICU, and regs can enjoy a packed schedule from journal club to radiology meetings, alongside practical teaching in critical care US, ECMO and more. You'll also have the privilege of working in a brand new, very shiny, state of the art hospital with brilliant nursing, medical and allied health staff. I enjoyed my work just as much as my holidays while I was at the RAH.

It was with much regret that I applied for anaesthetics/ICU training back at home (under threat of excommunication by the Mother), but were I to do it all again, top tips would be:
1. Bring a coat! August is actually winter.
2. Get into a Frequent Flyer programme early – many banks/supermarkets offer opportunities to earn points, which rack up and get you tasty free flights around Australia! See Dr. K. Lee for all the tips.
3. Join a local sports club, get to know some locals. Adelaide people are the best. And they might invite you to their lush weddings in a winery in a few years time.
4. During the Fringe, make it your business to go! You'll get as much of SA as you can before you go further afield. Highlights: Henley beach and Grange, Mount Lofty Botanic Gardens, Kangaroo Island, Flinders Ranges, Deep Creek, Victor Harbour, Eyre Peninsula, Yorke Peninsula, the Hills, Clare Valley...
5. When you do go further afield: Red Centre/Alice Springs, Tasmania are a MUST! It's pretty easy getting a flight to Kangaroo Island and the wineries. My secret tip will be to go and explore the peninsulas and drive up north to Lake Eyre.
6. Leave Bank Street Social before they have to ask you to. There are so many a cool bar and countless delicious cafes for an instagrammable brunch.
7. Sanjeev
After 10 years, 2018 was the year we finally went back to Australia. Not as students, I finished my training program as a Dutch intensivist and my girlfriend as a GP. The good thing about the country is that it doesn't change much. It is safe, easy to travel around and there is so much to see. It has a magical feeling as if time stops and life becomes too easy and relaxed. We chose Adelaide because we like the city and it has a lot to offer. Of course everyone goes to Kangaroo Island and the wineries. My secret tip will be to go and explore the peninsulas and drive up north to Lake Eyre. I think a lot of the overseas specialists work long shifts and spend most of their time at work or in traffic. The pleasure of working in Australia is that the balance is perfectly orientated towards improving the quality of life and letting you spend more time with your family or loved ones.

The Royal Adelaide is an amazing place, not only because the hospital is brand new and looks nice from the outside (that's not the general opinion regarding the architecture though...) but the vibe in the unit is special and everybody made me feel welcome from the first day. The consultants are actively involved in patient care, there is a good teaching environment and everything is a team effort. The roster is tailored to your wishes and thus you will be able to work but also see everything Australia has to offer.

I can only conclude by saying this year has been an unforgettable adventure. I go back more experienced in knowledge and with renewed energy.

www.icuadelaide.com.au
This year we have been excited to introduce the SA Intensive Care Trainee Network. The intention of the network is to provide education and networking opportunities to all current and prospective ICU trainees in SA. As a small State it is vital that we have good connections between the ICUs to facilitate study groups, optimise training opportunities and share information and support amongst the trainee cohort.

We had our inaugural event in June, focusing on career skills and planning. The night was really well attended with trainees from all ICUs, as well as supervisors of training from RAH and FMC. We had presentations from a career adviser on CV writing, and from a new consultant on making the transition from registrar to consultant, things we often forget to plan for in our pursuit of exams.

This event was sponsored by Australian Health Professionals locum agency and supported by CICM, without which the event would not have been possible. Australian Health Professionals even brought a door prize of a new iPad, a very happy Tyler Heijnen walked away with this incredibly generous prize.

We are planning on running another event this year, with multiple themes already being suggested by attendees including research projects and subspecialty education talks. We are hoping to have the network continue on into the future and would welcome the involvement of any SA registrar in organising the next and subsequent events.

Kris Hayres and Aniket Nadkarni (ICU Registrars)

In February 2018, the RAH ICU was the first ICU in South Australia to introduce bereavement follow-up. This quality assurance initiative aims to evaluate the end-of-life care in ICU and ensure that organ donation is considered as part of good end-of-life care.

Families of all dying patients are eligible for enrolment. Referrals are made to the on-call DonateLife specialist nurse coordinator (SD 81350) at medical consensus of end-of-life. After the patient’s death, the nominated family member is given the brochure “What Happens When Someone Dies in Hospital?” and a letter outlining a telephone conversation planned for 6-8 weeks later. The structured telephone interview covers: (i) care and support for patient and family; (ii) communication with the family; (iii) medical treatment; and (iv) organ donation.

The collaboration between DonateLife and ICU teams has produced impressive results. In our first year there were 241 deaths in ICU with 93% referred for follow-up. We enrolled 201 families with 62% completing follow-up calls. Family members reported high quality end-of-life care, commenting on our compassion and professionalism. They also identified challenges, with constructive suggestions on how we might do even better. Family members also valued the call, for example: “It’s been great to talk openly about dad’s death with someone. You’re the first person I’ve had a meaningful conversation with about it. It’s really important to honour my dad and talk on behalf of him because he was so well cared for.”

Thank you for your hard work and support. We look forward to sharing the full results with you at the ANZICS ASM (Melbourne) and the RAH Medical Grand Round in October 2019.

Bereavement Follow-up Team

Inaugural South Australian Intensive Care Trainee Network Night

This year we have been excited to introduce the SA Intensive Care Trainee Network. The intention of the network is to provide education and networking opportunities to all current and prospective ICU trainees in SA. As a small State it is vital that we have good connections between the ICUs to facilitate study groups, optimise training opportunities and share information and support amongst the trainee cohort.

We had our inaugural event in June, focusing on career skills and planning. The night was really well attended with trainees from all ICUs, as well as supervisors of training from RAH and FMC. We had presentations from a career adviser on CV writing, and from a new consultant on making the transition from registrar to consultant, things we often forget to plan for in our pursuit of exams.

This event was sponsored by Australian Health Professionals locum agency and supported by CICM, without which the event would not have been possible. Australian Health Professionals even brought a door prize of a new iPad, a very happy Tyler Heijnen walked away with this incredibly generous prize.

We are planning on running another event this year, with multiple themes already being suggested by attendees including research projects and subspecialty education talks. We are hoping to have the network continue on into the future and would welcome the involvement of any SA registrar in organising the next and subsequent events.

Kris Hayres and Aniket Nadkarni (ICU Registrars)
Upcoming Intensive Care Courses 2019 / 2020

SOUTH AUSTRALIAN INTENSIVE CARE FELLOWSHIP EXAM (TUB’S) COURSE
12-14 February 2020.
30 candidates. For ICU Registrars within 12 months of the CICM Adult Fellowship Examination.
Conducted over 3 days, with sessions on the written paper, vivas, investigation interpretation, paediatrics and hot cases (at 4 hospitals). There is little didactic teaching, with the focus very much on practical sessions and trial exams. Further information at http://www.icuadelaide.com.au/course_fellowship.html
Applications open 10 September 2019.
Enquiries to Dr Nick Edwards, c/- ICU, Royal Adelaide Hospital.
Email: chopper45@iprimus.com.au

SOUTH AUSTRALIAN CICM PRIMARY EXAMINATION COURSE
1 course in 2020 (July) - dates to be confirmed.
24 candidates. For Registrars preparing for the CICM (or ANZCA) Primary Examination.
Enquiries to Dr Mark Finnis, c/- ICU, Royal Adelaide Hospital.
Email: mark.finnis@adelaide.edu.au

SOUTH AUSTRALIAN CRITICAL CARE ULTRASOUND COURSE
29-30 August 2019 (full). And March 2020 (date to be confirmed).
16 candidates. 2 day course on focussed cardiac, lung, abdominal and procedural ultrasound relevant to critical care.
Enquiries to Dr Michael Farquharson, C/- ICU, Royal Adelaide Hospital.
Email: michael.farquharson@sa.gov.au

BASIC ASSESSMENT AND SUPPORT IN INTENSIVE CARE (BASIC) COURSE
11-12 November 2019. And February 2020 (dates to be confirmed).
Enquiries to Dr Ken Lee, C/- ICU, Royal Adelaide Hospital.
Email: Kenneth.Lee@sa.gov.au

POSTOPERATIVE CARE OF THE CARDIOTHORACIC PATIENT (PCCP) COURSE
8 August 2019 and February 2020 (date to be confirmed).
An internal 1 day course for RAH Registrars who will be looking after cardiothoracic patients in the ICU.
Enquiries to Dr Jon Fraser, c/- ICU, Royal Adelaide Hospital.
Email: jdfraser62@gmail.com

CARDIOTHORACIC ADVANCED LIFE SUPPORT (CALS) COURSE
2 September 2019. Subsequent dates to be confirmed. 6 courses per year.
14 candidates. 1 day course for RAH medical and nursing staff.
Enquiries to Dr Jon Fraser, c/- ICU, Royal Adelaide Hospital.
Email: jdfraser62@gmail.com
Some pictures from the past year.....

Contact

Any feedback about this Newsletter, or achievements/details you would like included in the next Newsletter, should be directed to Dr Nick Edwards (chopper45@iprimus.com.au).