Elevating perfusion into a New Era

In the OR, advanced cardiopulmonary technology and the highly skilled hand of the perfusionist perform as one.

Essenz™ is LivaNova’s next generation perfusion system that bridges five decades of proven performance, an enduring commitment to the safety of the patient, and the data accuracy you demand to bring more clinical wisdom to the OR.

The Wisdom of Breath and Beat.

Summary of Safety & Performance Information for Essenz™

Essenz™ is intended to perform, control, monitor, and support extracorporeal circulation during cardiopulmonary bypass procedures as well as the processing of blood and oxygenation during extracorporeal bypass.

The LivaNova Perfusion System is a panel PC and a base and user interface for the Essenz Patient Monitor software.

The system allows detailed recording of perfusion data and supports extracorporeal blood circulation replacing the mechanical heart-lung function.

The LivaNova Perfusion System is intended to be exclusively used with LivaNova heart-lung machines.

It is intended to be exclusively used with LivaNova heart-lung machines.

The LivaNova Perfusion System Monitor is a panel PC and a base and user interface for the Essenz Patient Monitor software.

The Essenz Patient Monitor software is a modularly structured software program package that is exclusively used with LivaNova heart-lung machines.

Legal Manufacturer:
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Sorin Group Italia S.r.l.
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www.essenzperfusion.com

#NewEraOfPerfusion #EssenzEra

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THE AUSTRALIAN AND NEW ZEALAND COLLEGE OF PERFUSIONISTS GAZETTE, MAY 2024
ANZCP STRUCTURE 2023-2024

The Executive

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Elena Dosouto Ares
Courtney Peterson
Courtney Adams
Andrea Hunt

ANZCP acknowledges the diverse Aboriginal and Torres Strait Islander peoples of Australia as the traditional owners of the lands upon which we and our members operate. We pay our respects to their Elders, past, present and future, and value their continued custodianship of the lands, waters and seas.

ANZCP acknowledges Maori as tangata whenua and Treaty of Waitangi partners in Aotearoa New Zealand.
Dear ANZCP Members,

Winter is fast approaching and with that comes seasonal illnesses that impact the healthcare workforce at the very time there is an increase in service requirements. Some real-world studies cited by the American Heart Association have found a 33% higher incidence of AMI during winter (1), and the incidence of seasonal influenza peaks in late June in Australia and New Zealand.

The Executive are very aware that staffing is one of the major issues impacting perfusion units and with the increase in complexity of our cases in addition to an ageing workforce succession planning and training is vital to the sustainability of cardiac surgery in Australia and New Zealand.

We are working with the Departments of Health in each jurisdiction and other contacts within governments to ensure they are aware of the importance of the perfusion workforce and the critical shortage of perfusionists. It is not a quick process as often we wait many weeks/months for these officials to respond to emails and letters but with persistence we hope we will make important inroads.

Representatives of the College and Board met with Western Sydney University this week in relation to the Masters of Perfusion. The outcome of the meeting is yet to be determined; however, we have more work to do for them in convincing them the Masters of Perfusion, in addition to being much needed, is cost positive for the University. We will relay further information when it comes to hand.

The College has been working with Health Workforce International (HWI) to progress the National Scheduled Medicines pathway. We were informed by government that this pathway has ceased. HWI has suggested ANZCP make a submission to Scope of Practice Taskforce and we are progressing down this route. Annette is working hard to ensure the College meets their deadline for submission.

Alex Peterson is liaising with the ANZCP in relation to New Zealand Registration and we look forward to working with him to progress this important process. There have not been any updates recently but as we know the wheels of government are often very slow moving.

The planning for the ASM in Christchurch is well underway with the Annual General Meeting making a return to take place in person at this year’s ASM. We look forward to advertising more information in the near future. The processes of the College continue to be modernised and updated ensuring we are compliant with our regulatory obligations and creating a more robust system of governance.

As always, we welcome your correspondence with suggestions, assistance and criticisms. The more you are involved with your College, the stronger our profession will become, so please reach out.

Kind regards,

Chris Morley
President
Australian and New Zealand College of Perfusionists


THE AUSTRALIAN AND NEW ZEALAND COLLEGE OF PERFUSIONISTS GAZETTE, MAY 2024 | 17
ANZBP

Autotransfusion Online Course

The Australian and New Zealand Board of Perfusion (ANZBP) offers a 10 week online lecture-based course, designed to offer health professionals the relevant theoretical knowledge to safely operate and troubleshoot cell salvage devices. The course is open to all, but specifically targeted at anaesthetists, perfusionists, anaesthetic nurses/technicians, perioperative nurses, theatre technicians and nurse educators. We welcome enquiries from anyone wanting to expand their autotransfusion knowledge. This course is free to ANZCP Full Fellows or $450 AUD to Non Members.

Course Dates

2nd September 2024

For additional information please click here or contact the course coordinator autotrans@anzcp.org

The Australian and New Zealand College of Perfusion is now recognized as a Full Member of the National Alliance of Self Regulating Health Professionals
Reporting trends for the previous two 5-year periods to 2024

Tim Willcox CCP LFAZNCP
PIRS2 Editor

Kia ora

PIRS2 is an open access incident reporting system designed primarily for Australian and New Zealand perfusionists but accessed worldwide with over 250 perfusionists and related interested parties subscribing to receive PIRS reports that have provided permission to publish. PIRS 2 has been adopted by the Netherlands Society of Extracorporeal Circulation and the Canadian Society of Perfusion as a vehicle for incident reporting. The frequency of reporting to PIRS, while variable year on year, has trended downward over the past decade. However, reports over the past 5-year period are only 10% down on the previous quinquennial. Barriers to reporting identified in a survey published in 2020 varied depending on jurisdiction. Unit culture was the greatest reported barrier (19% and 20% ANZ and non-ANZ respondents respectively) followed by fear of discovery for 13% of ANZ respondents. These findings were consistent with the literature, and voluntary incident reporting systems are known to capture a very small proportion of events that occur. Notwithstanding the relative paucity of reports, they are highly regarded as being beneficial to both individual and team practice.

Conquering the ANZBP Certification Exams
Tips for Success

Neesh Ghedia
ANZBP Course Coordinator

As the new ANZBP Course Coordinator, I’m excited to support our students and overseas trained perfusionists (OTP) on their journey towards certification! The Board certification exams are a significant milestone, and we want you to excel in each section:
1. Multiple Choice Question (MCQ),
2. Short Answer, and
3. Viva components.

Success in the ANZBP exams requires a strategic approach tailored to each format:

- **MCQs**
  Solidify your grasp of core perfusion concepts.
  Utilise textbooks, course materials, and practice questions to identify areas needing extra focus.

- **Short Answer Exam**
  Focus on important perfusion related techniques
  Use Diagrams - labelled diagrams are a great way to show you knowledge and can help supplement your answers.
  1 correct written point = 1 mark
  As a rule of thumb, to get the best marks possible, aim to have enough information in your answers. A 10 mark question requires more than a paragraph, and the addition of a diagram could help too!
  Practice Makes Perfect: Simulate short answer questions by writing concise and informative responses to past exam questions, or using your content, make some questions up and answer them.

- **Viva**
  Probably the section students stress about the most!
  A viva is an oral examination where your knowledge and clinical reasoning are evaluated through a conversation with experienced perfusionists from our community.
  Examiners will pose questions related to specific cases or scenarios, allowing you to demonstrate your understanding and decision-making abilities.

Focus on How You Approach Cases
Think of the viva as an extension of your daily practice. The exam doesn’t aim to stress you; it’s designed to assess how you approach real-world scenarios.
Here’s what the examiners will be paying close attention to:
- Pre-bypass Considerations:
  Be prepared to discuss patient assessment, medical history review, and potential risks.

Communication is Key:
Explain your findings, plan of action, and potential complications.

Procedural Expertise:
Confidently explain the steps involved in specific procedures, your equipment choices, and...
HAPPY PERFUSION WEEK!

5th - 11th May

Thank you to all of our dedicated clinical perfusionists in Australia, New Zealand and across the globe!

This week, we are recognising and celebrating the crucial expertise of clinical perfusionists and their diverse roles within healthcare.

Perfusionists are allied health professionals specialising in:
- Cardiopulmonary bypass during cardiac surgery in adults/children
- ECMO delivery, management and support
- ECMO/organ retrieval and preservation
- Organ transplantation incl. heart, lung, liver
- VAD/IABP management and support
- Intrathoracic/intraperitoneal chemotherapy
- Intraoperative cell salvage orthopaedics, obstetrics, neurosurgery, vascular and cardiac procedures.

Join us in the conversation on
5th - 11th May

Increasing awareness

Connecting with professional bodies

What is a perfusionist?

Perfusionists aren't the only heroes in the OR. Perfusionists operate in the background, playing a crucial role in ensuring successful outcomes. What do they do?

- Manage the heart, lung, and blood: This machine takes over for the heart and lungs, allowing surgeons to work without oxygen.
- Assist in keeping a patient alive.
- Monitor and manage vital signs: They ensure hemodynamics, adjusting blood flow as needed.
- Are the lifesaving experts: Operating ECMO, organ transplants, and managing very high-risk scenarios.
- Think critically under pressure: Cardiac perfusionists make real-time decisions under extreme conditions.
- Are knowledge powerhouses: Ask them a question, and they'll know it.

Join the conversation on LinkedIn.

Australian and New Zealand Board of Perfusion (ANZBP)
533 followers

We are taking our education to the next level with our online lecture-based course, offering comprehensive knowledge for all perfusionists.

College updates

Education

Increasing awareness

Connecting with professional bodies

Up!skill and expand your knowledge with the ANZBP's Autotransfusion Course.

Our course starts take on the 20th of May 2024!

The Australian and New Zealand Board of Perfusion (ANZBP) offers a comprehensive 16-week, online lecture-based course that provides the essential theoretical knowledge for safely operating and troubleshooting intraoperative cell salvage devices.

What is Autotransfusion?

Autotransfusion is a technique in healthcare that helps predeposit patients' own blood during surgeries, reducing the reliance on donor blood and enhancing patient outcomes. It's an important tool for patients that can receive alloplastic donor blood such as those with rare blood types and antibodies, or those with hematological abnormalities.

This course is designed exclusively for healthcare professionals, specifically perfusionists.

The course features a unique 16-week, online lecture-based program, delivered through a combination of live and recorded lectures.

This week, we reflect on the past with the first case performed with a new device designed to automate and reduce complications in heart surgery. There is.

The ACPC (American College of Cardiac Perfusionists) celebrates this achievement with a presentation during the conference. This event highlights the progress made in the field of perfusion and the impact of advancements in technology.

Thank you to all our dedicated clinical perfusionists in Australia, New Zealand, and across the globe! As always, we value your contributions to patient care and look forward to seeing you in the weeks to come.

Stay tuned for more updates and opportunities to connect with your colleagues and expand your knowledge in the field of perfusion.
Getinge offers life-saving ECMO solutions for both bedside and transport situations

Cardiohelp
Cardiohelp is the flagship of our range, being the ideal device for use in emergency retrieval, transport situations and bedside situations.

- The small and lightweight transport Extracorporeal Life Support system.
- Reliable and effective inter- and intra-hospital patient transport by air or road.

Rotaflow II
Our next-generation Rotaflow is a space-saving device that is easier to use than its predecessor and still compatible with the current PLS circuits and sets containing the RF32 centrifugal pump.

- Use of new external flow bubble and bubble sensors.
- Helps to reduce the cost of ownership, with the implementation of a new calibration and battery regime.

For more information visit www.getinge.com/anz
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