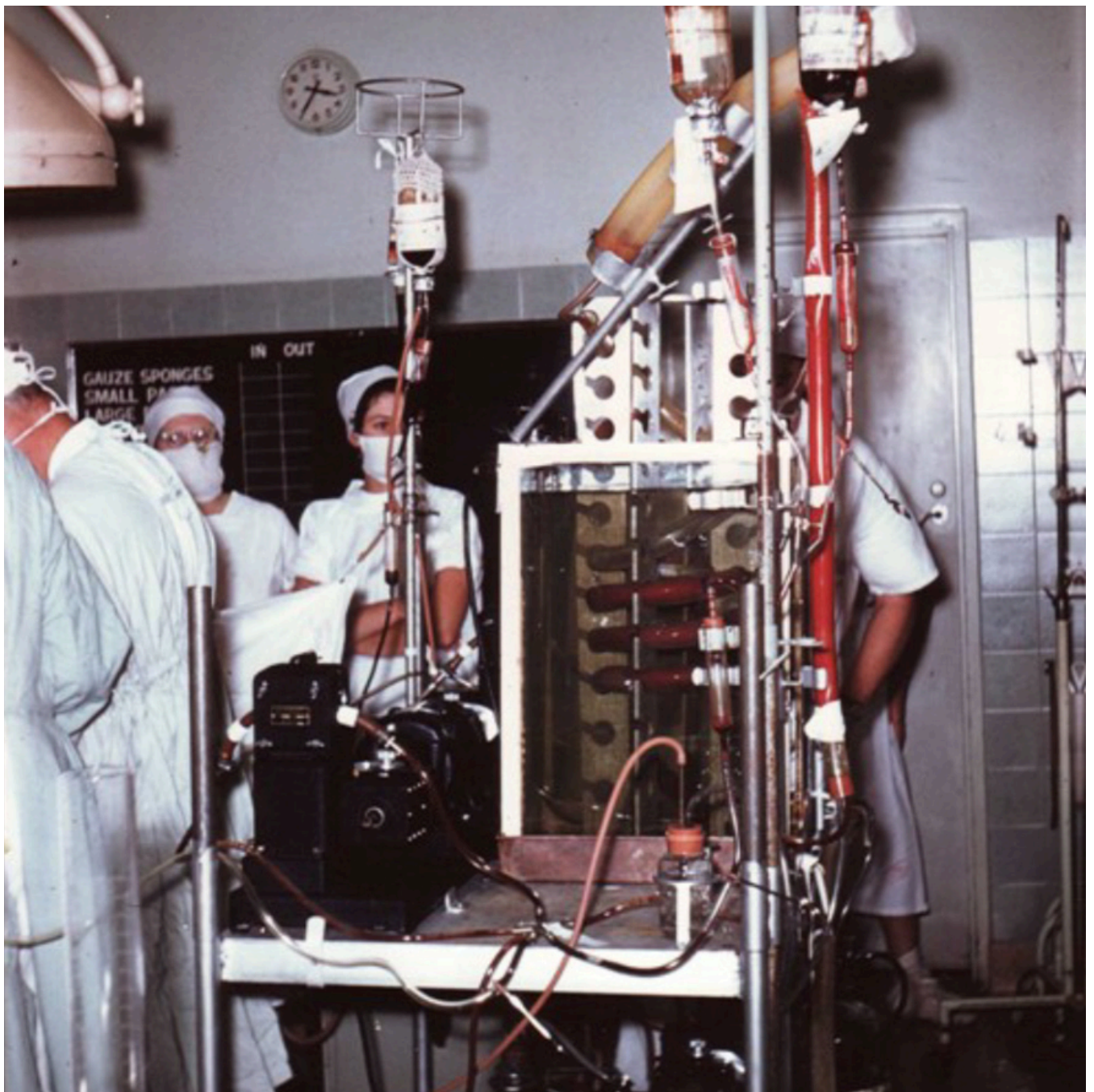


The

GAZETTE

Official Publication of the Australian and New Zealand College of Perfusionists



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™ Perfusion System

Heart-Lung Machine with Integrated Essenz In-Line Blood Monitor (ILBM)
 The Essenz Heart-Lung Machine is intended to perform, control, monitor and support extracorporeal blood circulation replacing the mechanical pumping function of the heart, monitoring and regulating physiologic parameters during procedures requiring extracorporeal circulation.

Essenz Patient Monitor
 The Essenz Patient Monitor software is a modularly structured software program package that is exclusively used with LivaNova heart-lung machines. The system allows detailed recording of perfusion data during cardiopulmonary bypass procedures as well as the processing and evaluation of this data. The data may be recorded automatically or entered manually. The LivaNova Perfusion System Monitor is a panel PC intended to be exclusively used with LivaNova heart lung machines as a base and user interface for the Essenz Patient Monitor software.

CONTRAINDICATIONS
 No contraindications are known if the devices are used for the purpose described and in accordance with the stated operating conditions. Do not use the devices for any purpose other than indicated.

WARNINGS
 The devices must be used in accordance with the instructions for use provided. For a complete listing of warnings please refer to the Instructions for Use. Medical intervention and therapeutic procedure must not be based solely on the Essenz Patient Monitor perfusion records (reports).

PRECAUTIONS
 Federal law (U.S.A.) restricts these devices to sale by or on the order of a physician. For a complete listing of precautions/cautions please refer to the Instructions for Use. The devices should be used by qualified and skilled personnel, able to follow the indications and instructions for use contained in the information provided by the manufacturer.

Essenz In-Line Blood Monitor and B-Capta Blood Gas Monitor are clinically equivalent in terms of safety and performance as they have the same technology and intended use. Not approved in all geographies, consult your labeling. Please visit the LivaNova website to receive instructions for use containing full prescribing information including indications, contraindications, warnings, precautions and adverse events.

Legal Manufacturer:
 LivaNova Deutschland, Lindberghstrasse 25 D-80939 Munich, Germany

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 Via Statale 12 Nord, 86
 41037 Mirandola (MO) ITALY
 CP-2400197



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AUSTRALIAN AND NEW ZEALAND COLLEGE OF PERFUSIONISTS GAZETTE

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Subscription is only available through membership of the ANZCP.

Please visit www.anzcp.org for the latest membership rates, terms and conditions. Note that all monies quoted are in Australian dollars and are inclusive of GST.

New Zealand Members: fees for Australian Members less GST. One year free subscription is available to student perfusionists enrolled with the ANZBP as a Clinical Trainee (or student perfusionist). For further information on membership/ subscription, please contact the ANZCP Secretary: secretary@anzcp.org

ADDRESS FOR SUBSCRIPTION

The Gazette is distributed via your ANZCP members email address. Please update if required via your Members login via www.anzcp.org

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Manuscripts are accepted for consideration on the condition that the Editorial Committee has the final decision on publication.

The Editorial Committee reserves the right to reject or edit any material submitted for publication without reason.

Preparing material for publication: Preferred delivery method is by e-mail using document attachment in Microsoft Word to the editorial correspondence address. Please supply direct contact numbers and address for the Corresponding author.

Material should contain (1) Title, (2) Subject, (3) Author(s), (4) Co-author(s), and (5) Institution(s). British/ Australian English is the preferred language.



Australian and New Zealand College of Perfusionists



Australian and New Zealand College of Perfusionists

ANZCP STRUCTURE 2023-2024

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Gazette Editors	Arthur Prevolos Amber Blakey Phoebe Hafner
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ASM Committee Members	Carla Zazulak Nicola Walton-Hughes Elena Dosouto Ares Courtney Peterson Courtney Adams Andrea Hunt
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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



ANZCP 41ST

Annual Scientific Meeting

CHRISTCHURCH, NEW ZEALAND

NOVEMBER 21ST - 23RD, 2024

TE PAE CONVENTION CENTRE



Engage with leading researchers and practitioners to explore cutting-edge advancements in perfusion science.

Participate in dynamic discussions, workshops, and presentations to enhance your knowledge and skills in perfusion care.

Don't miss this opportunity to expand your professional network and collaborate with colleagues in picturesque Christchurch!

PRESIDENT'S REPORT

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

1. <https://www.heart.org/en/news/2019/12/11/cold-heart-facts-why-you-need-to-watch-out-in-winte>



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**



NASRHP
NATIONAL ALLIANCE
OF SELF REGULATING
HEALTH PROFESSIONS

PIRS Report

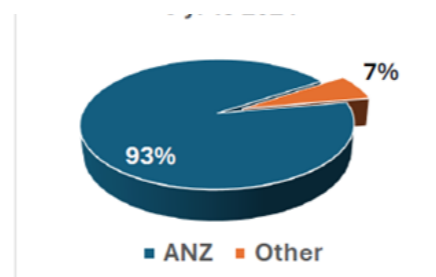
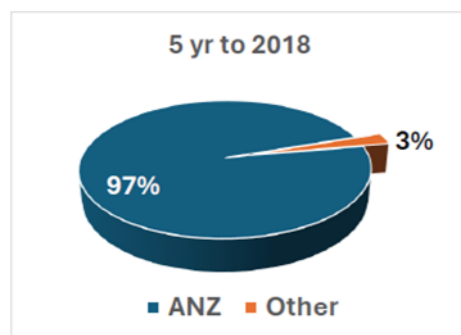
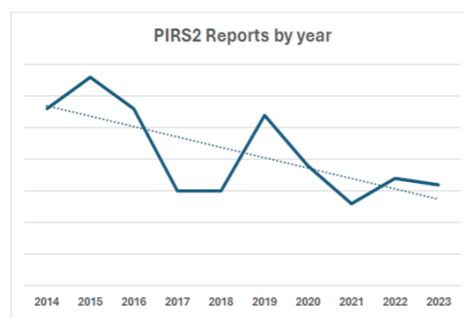
Reporting trends for the previous two 5-year periods to 2024

Tim Willcox CCP LFAZNCP

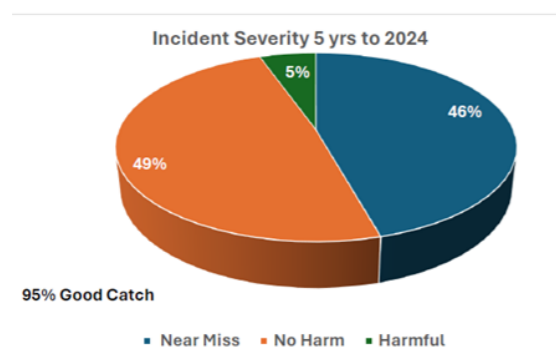
PIRS2 Editor

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 jurisdiction¹. 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 practice¹.



Conquering the ANZBP Certification Exams Tips for Success

Neesha Ghedia

ANZBP Course Coordinator

abcpcordinator@anzcp.org

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

We want to test your understanding of crucial tasks we perform, i.e. components in cardioplegia, (which, how, why,..)

Use Diagrams - labelled diagrams are a great way to show your 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



Australian and New Zealand
College of Perfusionists



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
LinkedIn

SNIPPET FROM
LINKEDIN

COLLEGE UPDATES

Australian and New Zealand Board of Perfusion (ANZBP)
533 followers
1mo • Edited •

The 2024 Recertification Submission Portal is Open

On behalf of the **Australian and New Zealand Board of Perfusion**, the Continuous Professional Development Program for practising perfusionists is now open.

The program is designed to ensure that Certified Clinical Perfusionists maintain their knowledge and clinical activity, and demonstrate their commitment to ongoing professional development.

Here's what you need to know:
- Perfusionists are required to complete 10 CPD hours annually.
- The program is available to all current CCP (ANZ) and OCP (NZ) members.

EDUCATION

Australian and New Zealand Board of Perfusion (ANZBP)
533 followers
2w •

Upskill and expand your knowledge with the ANZBP's Autotransfusion Course

Our next course intake begins on the 20th of May 2024!

The Australian and New Zealand Board of Perfusion (ANZBP) offers a comprehensive 10-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 vital technique in healthcare that enables patients to receive their own blood during surgeries, reducing the reliance on donor blood and enhancing patient outcomes. It is an important tool for patients that cannot receive allogeneic donor blood such as those with rare blood types and antibodies, or those who are Jehovah's Witnesses.

INCREASING AWARENESS

Australian and New Zealand Board of Perfusion (ANZBP)
533 followers
3mo •

What is a perfusionist?

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

- Manage the heart-lung machine: This machine takes over the function of the heart and lungs, allowing surgeons to work without blood flow whilst keeping a patient alive.
- Monitor and manage vital signs: They monitor haemodynamics, adjusting blood flow, as needed.
- Are life saving experts: Operating ECMO for organ transplants, and managing venous thromboembolism.
- Think critically under pressure: Cardiac perfusionists make real-time decisions in high-pressure conditions.
- Are knowledge powerhouses: Answering questions you name it, they know it! These professionals have expertise with problem-solving and critical thinking.

CONNECTING WITH PROFESSIONAL BODIES

The_AACP (The American Academy of Cardiovascular Perfusion)
1,253 followers
1w •

This week we reflect on the past with the first case performed with a cardiopulmonary bypass machine on May 6th, 1953. Dr. Gibbon revolutionized heart surgery and the field of Perfusion. There have been many advances since then...

SFACCEC - Société Française d'Assistance Circulatoire et de Circulation Extra-Corporelle
481 followers
1w •

Happy #PerfusionWeek dear colleagues, **Australian and New Zealand Board of Perfusion (ANZBP)** ! 🇫🇷 from France

Australian and New Zealand Board of Perfusion (ANZBP)
536 followers
6d •

SFACCEC - Société Française d'Assistance Circulatoire et de Circulation Extra-Corporelle Happy perfusion week to your perfusionists too!

SNIPPET FROM
LINKEDIN



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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