



ANZCA and FPM Continuing professional development (CPD) program

Cardiovascular Perfusion (CP) Crisis - recognition of suitability application form

This application form is for course providers who wish to receive recognition of suitability as an emergency response activity in the ANZCA and FPM CPD program.

Personal details

Are you the facilitator of this course/ workshop? *Yes No

*If yes, continue to section 2.

Are you applying as a participant? Yes No

First name _____

Surname _____

Address _____

Suburb/State/Postcode _____

Mobile _____

Email _____

Facilitator / instructor details

A. The "Clinical Lead" (the medical officer nominated by each department/group to oversee the provision of the CP Crisis education sessions conducted by that provider) is a consultant anesthetist. Yes No

First name _____

Surname _____

Position _____

Qualifications _____

Mobile _____

Email _____



B. The "Lead Facilitator" (the doctor who oversees the conduct of an individual CP Crisis education session) is a specialist with appropriate skills and experience. Yes No

First name _____

Surname _____

Institution / course provider details

Name of institution/ private practice _____

Department _____

Address _____

Suburb/State/Postcode _____

Session information

Session title _____

If applicable, which ANZCA/FPM event is this session a part of? _____

This is a once-off occurrence Start _____ End _____

This is an ongoing session Starting from _____

This session uses virtual and/or online learning formats

Please note: virtual/online workshops need to be conducted with live sessions (i.e. participants must be observed in real time). Enrolment in virtual/online learning must ensure participants display leadership skills in a live session if unable to meet physically to direct or lead a team.

I acknowledge that if there are any changes to the course content or duration, I will need to reapply for recognition of suitability.

Along with the completed application form, I will submit a copy of the outline or structure of the intended course or workshop, by the facilitator.

Signature _____ Date _____



Learning objectives		
As a minimum, education sessions are required to provide the opportunity for participants to meet the learning objectives listed below. Objectives marked with an asterisk (*) require participants to actively engage in activities to practice this skill during the session.		
Please indicate that participants will be able to:		
1	Diagnose and manage the four key perfusion crises which are oxygenator failure, arterial pump failure, boot line rupture and air embolism. This can be applied to ECMO or CPB as required.*	
2	Demonstrate appropriate leadership, including clear instruction and communication with other members of the operating theatre.*	
3	Recognise the non-technical and teamwork skills that are vital in the management of cardiac arrest.	
4	Oxygenator Failure*	
	a. Recognise signs of oxygenator failure	
	b. Discuss strategies for optimising the failing oxygenator	
	c. Discuss indicators for oxygenator changeout or separation from bypass/ECMO	
	d. Explain preparation for oxygenator changeout	
	e. Demonstrate an oxygenator changeout	
	f. Describe management after oxygenator failure	
5	Arterial pump failure*	
	a. Identify the possible causes of arterial/ECMO pump failure	
	b. Explain the various mechanisms to resume arterial pump function	
	c. Demonstrate hand cranking	
	d. Discuss the risks associated with hand cranking and strategies to mitigate them	
	e. Discuss or demonstrate arterial pump changeover	
6	Boot line rupture*	
	a. Discuss causes of boot line rupture	
	b. Discuss or demonstrate boot line replacement	
7	Air embolism*	
	a. Recognise air embolism	
	b. Initiate management to minimise adverse effects on the patient of an air embolism	
	c. Demonstrate de-airing of patient circuit	
	d. Discuss troubleshooting if air is found in the circuit	



Structure of Education session

Please indicate the applicability of the following criteria to your activities:

1	Must include pre-course reading on relevant algorithms/guidelines and relevant foundation knowledge for the session.	
2	May be delivered as a continuous session or in parts (provided other criteria in this guideline are met).	
3	Must have a minimum total duration of ninety (90) minutes and provide hand-on activities, including scenario-based rehearsal to achieve learning objectives marked with an asterisk (*) above. A minimum of eighty (80) minutes of group practice is recommended.	
4	Be conducted by a lead facilitator with at least one instructor per eight participants. Facilitators/instructors must observe each participant working through scenarios and provide verbal feedback to ensure they are achieving the session learning objectives.	
5	Must include a variety of team-based scenarios.	
6	Include use of the following equipment: Heart lung machine and/or ECMO setup with high (e.g. Califa) or low fidelity patient simulator (e.g. second reservoir) Additional equipment routinely available during cardiopulmonary bypass/ECMO e.g. line clamps, additional oxygen supply, and priming/additional fluid. Crisis specific equipment e.g. additional oxygenator or boot line. Equipment should be specified clearly in the departmental policy.	
7	Course directors who wish to record information relating to the performance or conduct of participants must obtain written consent and adhere to the privacy policies of their organisation and location. ANZCA does not collect this information and it is optional for the course provider and director to do so.	
8	Each session should maintain sensitivity to the diverse characteristics of its participants and patients. This may include appropriate acknowledgment of indigenous peoples at the commencement of the session.	



Session materials

Session materials for delivery via workshop or group discussion will include the following:

1	Facilitator guide (including equipment list, scenario outlines, and a guide to the safe use of the defibrillator/s to be used)	
2	Participant list (date, venue, participant name)	
3	Session learning objectives and outline	
4	ER protocols	
5	Session evaluation forms for feedback from participants	

Comments

Please send your completed form along with a copy of the outline or structure of the intended course/workshop to the CPD Team at cpd@anzca.edu.au