

N51AA Postgraduate Diploma in Perioperative and Critical Care Echocardiography

Year and Campus:	2010 - Hawthorn								
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees								
Level:	Graduate/Postgraduate								
Duration & Credit Points:	100 credit points taken over 12 months full time. This course is available as full or part time.								
Coordinator:	Associate Professor Alistair Royse and Associate Professor Colin Royse								
Contact:	<p>Course Co-ordinator PGDipEcho Department of Pharmacology Faculty of Medicine, Dentistry and Health Sciences The University of Melbourne VIC 3010 Ph: +61 3 8344 5673 Fax: +61 3 8344 5193 Email: echo-info@unimelb.edu.au (mailto:echo-info@unimelb.edu.au)</p>								
Course Overview:	<p>The introduction of echocardiography has made a dramatic impact into patient management in the perioperative and critical care environments. Whilst many short courses and texts have emerged, to our knowledge there is no certified comprehensive educational course available world wide. Our aim is to provide an educational package for students that will give them the detailed knowledge required to become competent at an advanced level of echocardiography.</p>								
Objectives:	<p>At the end of this course is a student will have:</p> <ol style="list-style-type: none"> a. Acquired comprehensive knowledge to achieve competence in perioperative echocardiography including: <ol style="list-style-type: none"> i. Physics as relates to echocardiography ii. Anatomy of the heart, valves and thoracic aorta iii. Principles of Doppler ultrasound and quantitative echocardiography iv. Evaluation of left and right ventricular systolic and diastolic function v. Pathophysiology of cardiovascular disorders, including valvular disorder. b. Acquire comprehensive knowledge in the performance of a transoesophageal echocardiography, including safety, sterilisation procedure, guidelines on use, and performance of comprehensive examination. c. Understand the clinical application of echocardiography during cardiac surgery, non-cardiac surgery, trauma, and intensive care emergencies. d. Perform interpretation of echocardiography examinations and issue written echocardiography reports e. Acquire knowledge in basic transthoracic and epivascular imaging as relates to perioperative medicine 								
Course Structure & Available Subjects:	<p>Students will progress through the subjects in a sequential manner. For full-time candidates, subjects 1 to 4 will be covered in the first semester, and subjects 5 to 8 in the second. For part-time students, subjects 1 and 2 will be covered in the first semester of year 1; subjects 3 and 4 will be covered in the second semester of year 1; subjects 5 and 6 will be covered in the first semester of year 2, and subjects 7 and 8 will be covered in the second semester of year 2.</p>								
Subject Options:	<p>To satisfy the requirements of the Postgraduate Diploma in Perioperative and Critical Care, students must successfully complete 8 subjects, (12.5 credit points each) for a total of 100 points.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHRM90013 Principles of Echocardiography</td> <td>Not offered 2010</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	PHRM90013 Principles of Echocardiography	Not offered 2010	12.50
Subject	Study Period Commencement:	Credit Points:							
PHRM90013 Principles of Echocardiography	Not offered 2010	12.50							

	PHRM90014 Anatomy for Echocardiography	Not offered 2010	12.50
	PHRM90015 Doppler & Quantitative Echocardiography	Semester 1	12.50
	PHRM90016 Ventricular Systolic & Diastolic Function	Semester 1, Semester 2	12.50
	PHRM90017 Valve & Aortic Pathology	Semester 1, Semester 2	12.50
	PHRM90018 Applications of Echocardiography in PCCM	Semester 1, Semester 2	12.50
	PHRM90019 Transthoracic and Surface Ultrasound	Semester 1, Semester 2	12.50
	PHRM90020 Echocardiography Interpretation & Reportin	Semester 1, Semester 2	12.50
Entry Requirements:	<p>The last intake into this program was Semester 2, 2009</p> <ol style="list-style-type: none"> 1. In identifying those applicants most likely to pursue the course successfully, the selection committee may give preference to applicants who are practising as specialists in the areas of anaesthesia, intensive care, cardiology, radiology, or surgery; all who are in specialist training programs in those areas. 2. Applicants must possess undergraduate qualifications sufficient to practice as a medical practitioner, such as MBBS or equivalent degrees, as a minimum entry requirement. 3. The selection committee may call for referee reports, employer references, or certified copies of qualifications to elucidate any of the matters referred to above. 		
Core Participation Requirements:	<p>For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/</p>		
Further Study:	NA		
Graduate Attributes:	Please refer to website - http://www.pharmacology.unimelb.edu.au/echocourse/		
Professional Accreditation:	Na		
Generic Skills:	Please refer to the subjects offered in this course.		
Links to further information:	http://www.pharmacology.unimelb.edu.au/echocourse/		