

N51-AA Postgraduate Diploma in Perioperative and Critical Care Echocardiography

Year and Campus:	2008																				
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																				
Level:	Graduate/Postgraduate																				
Duration & Credit Points:																					
Contact:	<p>Kerrie Edmond - kedmond@unimelb.edu.au 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 83445193 http://www.pharmacology.unimelb.edu.au/echocourse/</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 																				
Subject Options:	<p>There are eight semester length subjects:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>360-868 Principles of Echocardiography</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>360-869 Anatomy for Echocardiography</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>360-870 Doppler & Quantitative Echocardiography</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>360-871 Ventricular Systolic & Diastolic Function</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>360-872 Valve & Aortic Pathology</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	360-868 Principles of Echocardiography	Semester 1, Semester 2	12.50	360-869 Anatomy for Echocardiography	Semester 1, Semester 2	12.50	360-870 Doppler & Quantitative Echocardiography	Semester 1, Semester 2	12.50	360-871 Ventricular Systolic & Diastolic Function	Semester 1, Semester 2	12.50	360-872 Valve & Aortic Pathology	Semester 1, Semester 2	12.50
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	360-873 Applications of Echocardiography in PCCM	Semester 1, Semester 2	12.50
	360-874 Transthoracic and Surface Ultrasound	Semester 1, Semester 2	12.50
	360-875 Echocardiography Interpretation&Reportin	Semester 1, Semester 2	12.50
Entry Requirements:	<p>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.</p> <p>2. Applicants must possess undergraduate qualifications sufficient to practice as a medical practitioner, such as MBBS or equivalent degrees, as a minimum entry requirement.</p> <p>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.</p>		
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>		
Links to further information:	<p>http://www.pharmacology.unimelb.edu.au/echocourse/</p>		