

	<b>Myocardium and Cardiac Tumours</b> <span style="float: right;">August 16, 2006</span>
<b>Module Rationale and Competencies</b>	<p>In contemporary practice the assessment of the Cardiothoracic patient requires a thorough understanding of the natural history of myocardial disease and cardiac tumours. This includes myocarditis, hypertrophic cardiomyopathy and benign and malignant cardiac tumours. The role of currently available cardiac investigations and the indications for therapies currently utilised in cardiovascular disease must be appreciated.</p> <p>The Graduating Trainee will be able to:</p> <ul style="list-style-type: none"> <li>▪ Apply scientific knowledge in practice</li> <li>▪ Take a history, examine, diagnose, perform (and/or arrange for) appropriate therapeutic procedures, and manage patients exhibiting myocardial disease and cardiac tumours. heart disease</li> <li>▪ Accurately identify risk factors associated with myocardial disease and cardiac tumours.</li> <li>▪ Select medically appropriate investigative tools to carry out clinical investigations and monitoring techniques in a cost-effective, ethical and effective manner</li> <li>▪ Communicate information to patients (and their family) in ways that encourage their participation in informed decision making.</li> <li>▪ Manage patients (operatively and non-operatively) with myocardial disease and cardiac tumours.</li> </ul>
<b>Essential Reading</b>	<p>Kirklın/Barratt-Boyes Cardiac Surgery: Morphology, Diagnostic Criteria, Natural History, Techniques, Results, and Indications  Nicholas T. Kouchoukos (Editor), Churchill Livingstone (November 2003)</p>
<b>Recommended Reading</b>	<p>Glenn's Thoracic and Cardiovascular Surgery (6th edition) Authors: Arthur E. Baue (Editor), Hillel Laks (Editor),  Mastery of Cardiac Surgery ISBN: 0316482102  Cardiac Surgery in the Adult Lawrence H. Cohn &amp; L. Henry Edmunds</p>
<b>References</b>	<p><a href="http://www.ctsnet.org/">http://www.ctsnet.org/</a>  <a href="http://www.ctsnet.org/residents/ctsn/">http://www.ctsnet.org/residents/ctsn/</a></p>
<b>Learning Opportunities and Methods</b>	<p>Clinical-Ward teaching</p> <ul style="list-style-type: none"> <li>- supervised ward rounds with consultant surgeon</li> <li>- multidisciplinary meetings within each unit</li> <li>- clinical audit meetings within each unit</li> <li>- structured teaching programme within each unit including trainee presentations and journal club</li> </ul> <p>Clinical-Operating room teaching</p> <ul style="list-style-type: none"> <li>- structured programme for progression and assessment of surgical skills</li> <li>- assistance with and observation of methods and techniques used for complicated surgery</li> </ul> <p>Online Image Bank with Case Scenarios  Online access to current journals within each unit  Access to unit database for research purposes</p>
<b>Assessment and Examination</b>	<p>Self Assessment Tasks</p> <ul style="list-style-type: none"> <li>- multiple choice and short answer questions (have hyperlink)</li> </ul> <p>Essay Questions</p> <ul style="list-style-type: none"> <li>- set by and submitted regularly to unit's supervisor of surgical training</li> </ul> <p>Clinical Vivas</p> <ul style="list-style-type: none"> <li>- short and long cases performed with consultant surgeons</li> </ul> <p>Clinical Assessment and Mentor Reports</p>

Level One	Level Two	Level Three	Level Four
<ul style="list-style-type: none"> <li>• Interpret echocardiographic, CT, MRI and radiographic anatomy of myocardial disease and cardiac tumours.</li> <li>• Discuss the development of myocardial disease and cardiac tumours.</li> <li>• Describe the normal and variant anatomy of the myocardium</li> <li>• Describe the physiology of the myocardium</li> <li>• Review the risks and benefits of imaging modalities</li> <li>• Select medically appropriate investigative tools to carry out clinical investigations and monitoring techniques in a cost-effective, ethical and effective manner</li> <li>• Take a history, examine, diagnose patients exhibiting myocardial disease and cardiac tumours.</li> <li>• Apply their thorough knowledge of the anatomy, physiology, and pathology of disorders of myocardial disease and cardiac tumours to accurately diagnose and effectively manage patients</li> <li>• Carry out the pre and postoperative care of patients undergoing surgery for myocardial disease and cardiac tumours.</li> </ul>	<ul style="list-style-type: none"> <li>• Accurately identify the risks and benefits of the chosen management plan and its alternatives</li> <li>• Explain the indications and timing of surgery for HCM</li> <li>• Explain the indications and timing of surgery for cardiac tumours</li> </ul>	<ul style="list-style-type: none"> <li>• Perform (and/or arrange for) appropriate therapeutic procedures, and manage patients exhibiting myocardial disease and cardiac tumours.</li> <li>• Communicate information about procedures and risks in relation to myocardial disease and cardiac tumours to patients (and/or their family) in ways that encourage their participation in informed decision making and on-going management</li> <li>• Facilitate the learning of others</li> <li>• Advocate patient health along with primary and secondary prevention of disease</li> </ul>	<ul style="list-style-type: none"> <li>• Interpret and discuss the available literature regarding the outcomes of interventions for myocardial disease and cardiac tumours.</li> <li>• Manage patients (operatively and non-operatively) with myocardial disease and cardiac tumours.</li> <li>• Summarise the rationale for and explain the surgery for myocardial disease and cardiac tumours.</li> </ul>
<ul style="list-style-type: none"> <li>• Evaluate patients with myocardial disease and cardiac tumours</li> <li>• Read and interpret invasive and non invasive tests of patients with myocardial disease and cardiac tumours</li> <li>• Direct the critical care management of pre and post operative patients with myocardial disease and cardiac tumours</li> </ul>	<ul style="list-style-type: none"> <li>• Perform operative and non-operative management of patients with myocardial disease and cardiac tumours</li> <li>• Participate in and perform evaluation of transthoracic and transoesophageal echocardiograms</li> </ul>	<ul style="list-style-type: none"> <li>• Perform operative and non-operative management of patients with myocardial disease and cardiac tumours</li> <li>• Participate in and perform evaluation of intraoperative echo</li> </ul>	<ul style="list-style-type: none"> <li>• Perform operative and non-operative management of patients with HCM</li> <li>• Participate in and perform surgery for cardiac tumours</li> </ul>