Module Title	**Chest Wall** August 15, 2006
Module Rationale and Competencies	In contemporary practice the assessment of the Cardiothoracic patient requires a thorough understanding of the normal anatomy and disease of the chest wall. The role of currently available investigations and the indications for therapies currently utilised in thoracic disease must be appreciated. The Graduating Trainee will be able to: ▪ Apply scientific knowledge in practice ▪ Formulate a differential diagnosis based on clinical and investigative findings ▪ Communicate information to patients (and their family) in ways that encourage their participation in informed decision making ▪ Effectively use resources to balance patient care and systemic demands in a setting of limited and finite system resources ▪ Work in collaboration with members of an interdisciplinary team where appropriate ▪ Manage complexity and uncertainty ▪ Assume responsibility for their own on-going learning
Essential Reading	General Thoracic Surgery Thomas W. Shields, M.D. (Editor), Thomas W. Shields, M.D. , Joseph Locicero, III, , Ronald B. Ponn, M.D. , Valerie W. Rusch, M.D. August 2004 ISBN: 078173889X
Recommended Reading	Glenn's Thoracic and Cardiovascular Surgery (6th edition) Authors: Arthur E. Baue (Editor), Hillel Laks (Editor),
References	http://www.ctsnet.org/ http://www.ctsnet.org/residents/ctsn/
Learning Opportunties and Methods	Clinical-Ward teaching - supervised ward rounds with consultant surgeon - multidiscplinary meetings within each unit - clinical audit meetings within each unit - structured teaching programme within each unit including trainee presentations and journal club Clinical-Operating room teaching - structured programme for progression and assessment of surgical skills - assistance with and observation of methods and techniques used for complicated surgery Online Image Bank with Case Scenarios Online access to current journals within each unit Access to unit database for research purposes
Assessment and Examination	Self Assessment Tasks - multiple choice and short answer questions (have hyperlink) Essay Questions - set by and submitted regularly to unit's supervisor of surgical training Clinical Vivas - short and long cases performed with consultant surgeons Clinical Assessment and Mentor Reports

Level One	Level Two	Level Three	Level Four
• Describe normal and variant anatomy of the chest wall • Describe surgical incisions • Interpret radiographic anatomy of the chest wall • Explain the physiology of respiration • Discuss major muscle flaps • Discuss the pathology and management of benign and malignant chest wall neoplasms • Apply their thorough knowledge of the anatomy, physiology, and pathology of disorders of the chest wall to accurately diagnose patients • Take a history, examine, diagnose patients with chest wall pathology	• Discuss the pathology and management of congenital abnormalities • Discuss the pathology and management of thoracic outlet syndrome • Select medically appropriate investigative tools to carry out clinical investigations and monitoring techniques in a cost-effective, ethical and effective manner	• Communicate information about procedures and risks in relation to disorders of the chest wall to patients (and/or their family) in ways that encourage their participation in informed decision making and on-going management • Communicate to patients (and their family) the treatment options, potential benefits, complications and risks associated with all treatment modalities	• Summarise the pre and postoperative care of patients undergoing chest wall surgery • Interpret and discuss the available literature regarding the outcomes of surgery of the chest wall • Perform (and/or arrange for) appropriate therapeutic procedures, and manage patients operatively and non operatively with chest wall pathology • Collaborate with other professionals in the selection and use of various treatment modalities and assess the potential effectiveness of each management option
• Evaluate patients with chest wall tumours, congenital deformity and thoracic outlet syndromes • Read and interpret invasive and non invasive tests of patients with the above conditions • Direct the critical care management of pre and post operative patients with chest wall pathology	• Perform operative and non-operative management of patients with chest wall disease	• Perform operative and non-operative management of patients with chest wall disease • Participate in the performance and management of lung and chest wall resection	• Perform operative and non-operative management of patients with chest wall disease • Participate in perform lung and chest wall surgery • Develop a care plan for a patient in collaboration with a interdisciplinary team