

Module Title	Oesophagus August 16, 2006
Module Rationale and Competencies	<p>In contemporary practice the assessment of the Cardiothoracic patient requires a thorough understanding of the anatomy and pathology of the oesophagus. The role of currently available investigations and the indications for therapies currently utilised in oesophageal disease must be appreciated.</p> <p>The Graduating Trainee will be able to:</p> <ul style="list-style-type: none"> •Apply scientific knowledge in practice •Consistently demonstrate sound surgical skills •Formulate a differential diagnosis based on clinical and investigate findings •Appreciate and act according to ethical standards within cardiothoracic surgery •Effectively use resources to balance patient care and systemic demands in a setting of limited and finite system resources •Communicate information to patients (and their family) in ways that encourage their participation in informed decision making •Recognise the need to refer patients to other professionals
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 Opportunities and Methods	<p>Clinical-Ward teaching</p> <ul style="list-style-type: none"> - supervised ward rounds with consultant surgeon - multidisciplinary meetings within each unit - clinical audit meetings within each unit - structured teaching program within each unit including trainee presentations and journal club <p>Clinical-Operating room teaching</p> <ul style="list-style-type: none"> - structured program for progression and assessment of surgical skills - assistance with and observation of methods and techniques used for complicated surgery <p>Online Image Bank with Case Scenarios Online access to current journals within each unit Access to unit database for research purposes</p>
Assessment and Examination	<p>Self Assessment Tasks</p> <ul style="list-style-type: none"> - multiple choice and short answer questions (have hyperlink) <p>Essay Questions</p> <ul style="list-style-type: none"> - set by and submitted regularly to unit's supervisor of surgical training <p>Clinical Vivas</p> <ul style="list-style-type: none"> - short and long cases performed with consultant surgeons <p>Clinical Assessment and Mentor Reports</p>

Level One	Level Two	Level Three	Level Four
<ul style="list-style-type: none"> • Explain the development of the oesophagus • Explain signs and symptoms associated with oesophageal abnormalities • Describe the normal and variant anatomy of the oesophagus • Explain the anatomic boundaries of the oesophagus and the structures found within each region • Interpret radiographic anatomy of the oesophagus • Take a history, examine, diagnose patients exhibiting diseases of the oesophagus • Apply their thorough knowledge of the anatomy, physiology, and pathology of disorders of the oesophagus to accurately diagnose and effectively manage patients • Select medically appropriate investigative tools to carry out clinical investigations and monitoring techniques in a cost-effective, ethical and effective manner 	<ul style="list-style-type: none"> • Discuss various open surgery procedures and VATS approach to the oesophagus; • Accurately identify risk factors associated with surgery of the oesophagus • Discuss presentation, diagnostic evaluation, staging, surgical and non-surgical treatment and prognosis of oesophageal carcinoma; • Discuss clinical presentation, radiological investigation and treatment of oesophageal cysts and esophageal duplications • Review the rationale for and techniques of surgery of the oesophagus 	<ul style="list-style-type: none"> • Carry out the pre and postoperative care of patients undergoing surgery of the oesophagus • Perform (and/or arrange for) appropriate therapeutic procedures, and manage patients exhibiting diseases of the oesophagus • Communicate information about procedures and risks in relation to disorders of the oesophagus to patients (and/or their family) in ways that encourage their participation in informed decision making and on-going management 	<ul style="list-style-type: none"> • Interpret and discuss the available literature regarding the outcomes of interventions for diseases of the oesophagus • Discuss the investigation and surgical management of oesophageal tumours • Manage patients (operatively and non-operatively) with diseases of the oesophagus • Perform surgery for the management of diseases of the oesophagus
<ul style="list-style-type: none"> • Evaluate patients with oesophageal disease • Read and interpret invasive and non-invasive tests of patients with oesophageal disease • Direct the critical care management of pre and post operative patients oesophageal disease 	<ul style="list-style-type: none"> • Perform endoscopic investigation of oesophagus • Perform operative and non-operative management of patients with oesophageal disease 	<ul style="list-style-type: none"> • Perform operative and non-operative management of patients with oesophageal disease 	<ul style="list-style-type: none"> • Perform operative and non-operative management of strictures including stenting and laser therapy • Perform open and videoscopic surgery of the oesophagus