



Royal College
of Surgeons

ADVANCING SURGICAL CARE

Clinical Skills in Emergency Surgery

[date]

Programme

Course Director

[name]
[position]
[hospital]

Acknowledgements

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Faculty List

Course Director	
Faculty	
Administrative / Technical Team	

Course Programme

Day One

Time	Content	Faculty
0830-0900	Faculty Meeting	
0830-0900	Registration and Refreshments	
0900-0920	<p>Introduction to course by Directors and faculty</p> <ul style="list-style-type: none"> • Overview of the format and aims of the course. • Introduction of faculty and participants. • Discussion and review of online tasks. • Assessment of skills. <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To discuss the level of experience and challenges for the trainees.</i> 	
0920-1100	<p>Revision</p> <p>Video & discussions followed by Skills practice.</p> <ul style="list-style-type: none"> • Knots • Abdominal closure and principles of suturing <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To accurately carry out a range of sutures and utilise a variety of knots with regard to the difficulty of closure</i> 	
1100-1115	Refreshments	
1115-1300	<p>Difficult closure & Bowel anastomosis</p> <p>Interactive discussion – infection, difficult abdominal closure, followed by Skills practice – work in pairs.</p> <ul style="list-style-type: none"> • Difficult closure (interactive discussion) • Small bowel anastomoses • End to end – interrupted <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To demonstrate sound practice in bowel anastomosis using a variety of techniques</i> 	
1300-1345	Lunch	
1345-1515	<p>Bowel anastomosis</p> <p>Demonstration of clamps (different types and their uses) followed by Skills practice.</p> <ul style="list-style-type: none"> • Use of clamps • Size discrepancy (video then skills) • Perforated duodenal ulcer (video then skills) <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To discuss the different types of clamps and the benefits and uses of each.</i> ➤ <i>Describe the management of ulcer perforations.</i> 	
1515-1530	Refreshments	

Time	Content	Faculty
1530-1730	<p>Bowel anastomosis moderately difficult access Introduction and demonstration followed by Skills practice.</p> <ul style="list-style-type: none"> • End to side • Posterior/submucosal • Vertical mattress <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ To carry out a difficult access sutured anastomosis, to include posterior and submucosal. 	
1730-1745	<p>Feedback and review of day To have carried out three accurate anastomoses by end of day</p>	
1745-1800	Faculty Meeting	

Day Two

Time	Content	Faculty
0845-0900	Refreshments	
0900-1015	<p>Stomas When are they needed, what types are there? Interactive discussion – when are they needed/how formed followed by Skills practice – end-to-end and colostomy.</p> <ul style="list-style-type: none"> • Discussion – double barrelled & end • Skills exercise: end-to-end and colostomy <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ To be able to discuss the types of stomas and why each may be formed. ➤ To form a variety of viable stomas taking into consideration incision and possible complications. 	
1015-1100	<p>Refreshments & Demonstrations Demonstrations by stapler reps (Ethicon and Medtronic) – different devices and uses of each. Interactive demonstration followed by Skills practice.</p>	
1100-1200	<p>Stapled anastomosis Skills practice.</p> <ul style="list-style-type: none"> • Side-to-side • Close holes (two different ways) <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ To discuss the merits and shortfalls of stapling anastomosis. ➤ To carry out side to side and transverse stapling anastomosis. 	
1200-1245	Lunch	

Time	Content	Faculty
1245-1515	<p>Vascular for emergency Introduction of Vascular Surgery for the Emergency Surgeon and vein patch video, followed by Skills practice and videos.</p> <p>Discussion of the range of vascular interventions that would be carried out in an emergency situation, to cover:</p> <ul style="list-style-type: none"> • Instruments • Mobilisation and control • Control of bleeds (permanent) and until help arrives <p>Skills practice:</p> <ul style="list-style-type: none"> • Arterial closure • Vein patching <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To be able to discuss the responsibilities and limitations of a general surgeon regarding vascular surgery in an emergency situation.</i> ➤ <i>Defining the limitations in a non-vascular hospital.</i> ➤ <i>To be able to name and know the uses of the vascular specific instruments.</i> ➤ <i>To be able to mobilise vessels to enable initial emergency control of a bleed.</i> ➤ <i>To be able to carry out emergency arterial closure and vein patching.</i> 	
1515-1530	Refreshments	
1530-1715	<p>Assessment of skills</p> <ul style="list-style-type: none"> • End-to-side small bowel anastomosis • Difficult access • Hand sewn <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To accurately carry out a hand sewn end to side anastomosis.</i> 	All faculty
1715-1745	Feedback of assessment by faculty	All faculty
1745-1800	Faculty meeting	All faculty

Day Three

Time	Content	Faculty
0845-0900	Refreshments	
0900-0930	<p>Energy sources</p> <ul style="list-style-type: none"> • Discussion followed by interactive demonstration. • Review of different energy sources including diathermy <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To be able to discuss the use of energy sources and to demonstrate their safe use.</i> 	

0930-1045	<p>Laparoscopic appendicectomy Introduction - video review and discussion followed by Skills practice.</p> <ul style="list-style-type: none"> • Laparoscopic appendix <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To demonstrate the ability to effectively manipulate laparoscopic instruments.</i> ➤ <i>To discuss how to carry out a laparoscopic appendix with due regard to surrounding tissue.</i> 	
1045-1100	Refreshments	
1100-1200	<p>Basic laparoscopic safety aspects, complicated access Interactive lecture and small group discussion.</p> <ul style="list-style-type: none"> • Diagnostic laparoscopy • Laparoscopic access techniques • Open techniques <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To review the process of a complicated diagnostic laparoscopy with regard to the anatomy of access.</i> 	
1200-1245	<p>'Walking the bowel'</p> <ul style="list-style-type: none"> • A guided tour of the anatomy of the bowel. • Skills practice <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To review and describe the anatomy of the bowel.</i> 	
1245-1345	Lunch	
1345-1530	<p>Open Hernia Intro - video and discussion followed by Skills practice.</p> <ul style="list-style-type: none"> • Femoral (low approach) <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To discuss the techniques shown on video</i> ➤ <i>To practice the repair of a femoral hernia.</i> 	
1530-1600	<p>Feedback and Close Round up of the course, discussion and feedback to participants.</p> <p><u>Learning outcomes</u></p> <ul style="list-style-type: none"> ➤ <i>To review outcomes of the three days and feedback areas of development.</i> 	
1600-1615	Faculty meeting	All faculty