



THE ROYAL COLLEGE  
OF SURGEONS OF  
EDINBURGH

## Intercollegiate Basic Surgical Skills Course

Feedback - January 2018

## Intercollegiate Basic Surgical Skills

The Basic Surgical Skills course has been running since 1994, with the involvement of all four UK and Ireland Colleges of Surgeons, and is designed to teach the essential basic technical skills required of a surgeon, instilling good practice at the early stages of training.

Junior Trainees pursuing a career in surgery are expected to be able to perform a range of basic surgical skills prior to commencing specialty surgical training. These skills are not specifically covered during their foundation or core training placements.

The ethos of this Intercollegiate Basic Surgical Skills Course (BSSC) was to instil core surgical skills at the very start of a surgeon's training by teaching the correct basic technique.

Participants were introduced to the principles underpinning the various techniques with individual tuition and under the expert supervision of consultant surgeons. The participants were then assessed throughout the course and are issued with a certificate upon successful completion of the course.

The course was held over two days with a series of demonstrations and extensive hands on sessions. Techniques were practiced using a combination of prepared animal tissue, synthetic models and simulation.



### Course Information

<b>Course date:</b>	<b>20<sup>th</sup> &amp; 21<sup>st</sup> January 2018</b>
<b>Venue:</b>	<b>Arrowe Park Hospital, Merseyside, Wirral</b>
<b>Attendance:</b>	<b>21 Delegates</b>
<b>Aimed at:</b>	<b>FY1 (perquisite - 6 months in a surgical training post), FY2, ST1/CT1 &amp; ST2/CT2.</b>
<b>Course fee:</b>	<b>£585.00 Full Course Fee</b> <b>£550.00 RCSEd Affiliate Member</b>

### Learning Outcomes

On completion of this course, participants will be able to:

- Demonstrate an appropriate procedure for 'gowning' and 'gloving' in accordance with recommended standards of practice.
- Tie a variety of reliable knots, including, surgical reef knots and the Aberdeen knot and tying at depth.
- Describe correct handling and use of surgical instruments.
- Suture a variety of tissues, including skin, bowel, vascular tissue and tendons effectively.
- Perform abscess drainage and contaminated wound debridement in accordance with the basic principles of wound management.
- Demonstrate safe fine tissue handling utilising small bowel, vascular and tendon models for basic anastomoses technique.
- Demonstrate an understanding of basic diathermic technique.
- Demonstrate effective management of ergonomic issues commonly encountered in endoscopic surgery.

## Course Programme

### DAY 1 – Saturday 20<sup>th</sup> January 2018

Time	Topic	Demonstration by tutor
0830 - 0900	Faculty Meeting in Faculty Discussion Room	Convenor & all tutors
0830 - 0900	Registration of Participants	Registration Desk
0900 - 0910	Introduction	Mr Tandon
0910 - 0940	Gowning and Gloving	Mr Tandon
0940 - 1015	Handling instruments	Mr Hooper
1015 - 1100	Knots (1) Reef knot, instrument tie Assessment	Mr Tandon
<b>1100 - 1115</b>	<b>Coffee Break</b>	
1115 - 1200	Knots (2) Surgeons knot, tie at depth Assessment	Mr Tandon
1200 - 1300	Suturing Needle manipulation and driving, interrupted, continuous, sub-cuticular, assisting Assessment	Mr Wallace
<b>1300 - 1345</b>	<b>Lunch Break</b>	
1345 - 1430	Skin lesions and LA techniques Skin lesions, sebaceous cyst	Mr Srinivasan
1430 - 1530	Fine tissue handling (1) Tendon repair, assisted	Mr Hooper
1530 - 1615	Wound management Abscess drainage, debriding traumatic wound	Mr Wallace
1615 - 1700	Diathermy	Mr Hooper / All tutors
1700	Question and answer session	All tutors

## Course Programme

### DAY 2 – Sunday 21<sup>st</sup> January 2018

Time	Topic	Demonstration by tutor
0830 - 0900	Registration of Participants	Registration Desk
0900 - 1000	Skills consolidation/OSAT	All tutors
1000 - 1115	Abdominal incision and closure	Mr Wallace
1115 - 1145	Haemostasis, ligation in continuity, pedicle ligation, transfixion	Mr Srinivasan
<b>1145 - 1200</b>	<b>Coffee Break</b>	
1200 - 1315	End to end bowel anastomosis interrupted, hand tied knots	Mr Wallace
<b>1315 -1400</b>	<b>Lunch</b>	
1400 - 1515	Fine tissue handling (2) Vein patch exercise, assisted	Mr Hooper
1515 - 1530	Introduction to laparoscopic surgery	Mr Wallace
1530 - 1645	Laparoscopic exercises: visualisation tasks, various scope angles, use of coaxial instruments, manipulation of non-coaxial instruments	All tutors
1645	Question and answer session, close	All tutors

## Faculty List

### **Mr Geoffrey Hooper, MMSc, MD, FRCS, FRCS Ed (Orth)**

Retired Consultant Orthopaedic Surgeon

Surgical Tutor - Royal College of Surgeons of Edinburgh

### **Mr Ian Wallace, FRCS**

Retired Consultant General Surgeon

Surgical Tutor - Royal College of Surgeons of Edinburgh

### **Mr Roop Tandon, MBBS, FRCS**

Retired Consultant Orthopaedic Surgeon

Tutor - Royal College of Surgeons of Edinburgh

Course Convenor

### **Mr Venkat Srinivasan, MBBS, FRCS Ed, FRCS (ORL)**

Consultant ENT Surgeon

Arrowe Park Hospital, Wirral

Course Convenor

### **Assisting Faculty**

#### **Dr Amy Rhodes**

Foundation Year Doctor

Royal Bolton Hospital, Bolton

#### **Mr Ketan Agarwal, MBChB, MRCS**

Royal Liverpool and Broadgreen

University Hospitals NHS Trust

#### **Mr Nick Engall, MBChB, MRCSEd**

Speciality Trainee in Surgery

North West Deanery

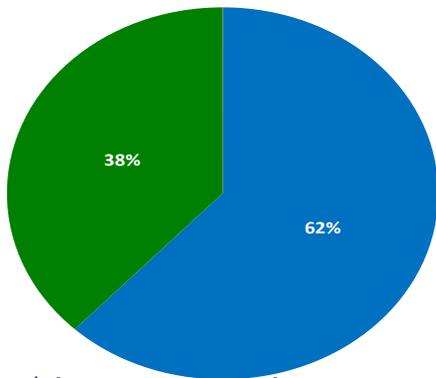
#### **Mr Peter Skellorn, MBChB, MRCS**

Registrar in ENT Surgery

Arrowe Park Hospital, Wirral

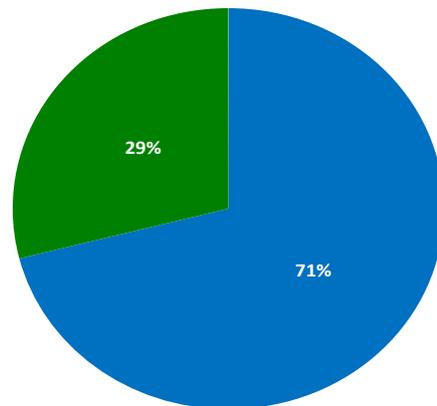
# Overall Teaching Feedback

Explain the principles of good practice in theatre etiquette, knot tying, suturing, haemostasis, anastomosis, surgical diathermy and ergonomics for endoscopic surgery



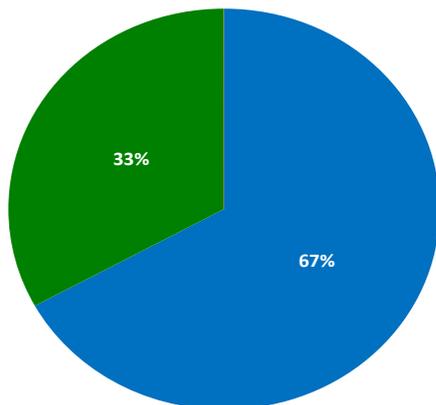
■ Strongly Agree  
 ■ Agree  
 ■ Neither Agree or Disagree  
 ■ Disagree  
 ■ Strongly Disagree  
 ■ Not Answered

Describe correct handling and use of surgical instruments



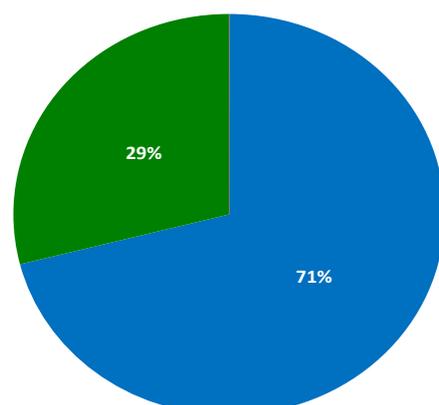
■ Strongly Agree  
 ■ Agree  
 ■ Neither Agree or Disagree  
 ■ Disagree  
 ■ Strongly Disagree  
 ■ Not Answered

Demonstrate an appropriate procedure for 'gowning' and 'gloving' in accordance with recommended standards of practice



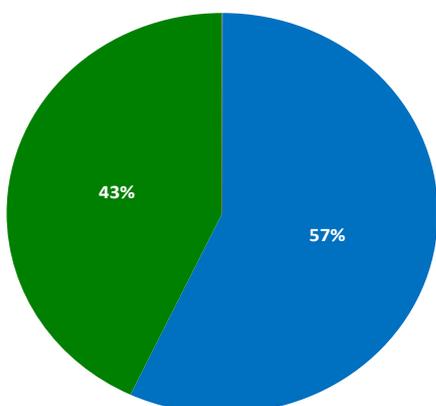
■ Strongly Agree  
 ■ Agree  
 ■ Neither Agree or Disagree  
 ■ Disagree  
 ■ Strongly Disagree  
 ■ Not Answered

Tie a variety of reliable knots, including surgical reef knots and the Aberdeen knot and tying at depth



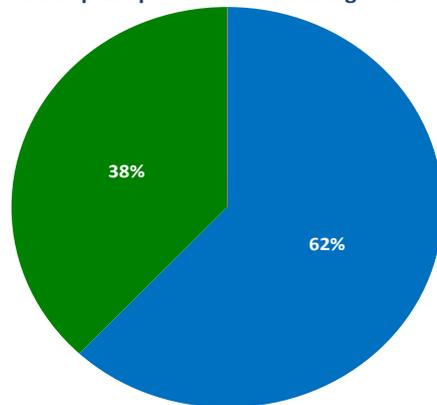
■ Strongly Agree  
 ■ Agree  
 ■ Neither Agree or Disagree  
 ■ Disagree  
 ■ Strongly Disagree  
 ■ Not Answered

Suture a variety of tissues, including skin, bowel, vascular tissue and tendons effectively



■ Strongly Agree  
 ■ Agree  
 ■ Neither Agree or Disagree  
 ■ Disagree  
 ■ Strongly Disagree  
 ■ Not Answered

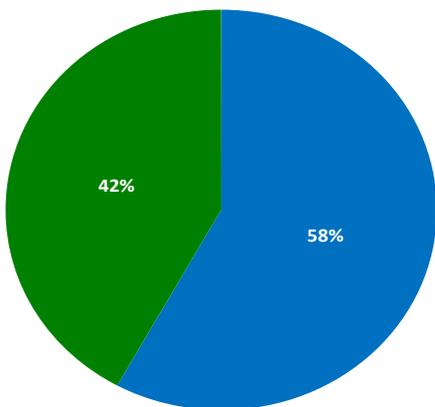
Perform abscess drainage and contaminated wound debridement in accordance with the basic principles of wound management



■ Strongly Agree  
 ■ Agree  
 ■ Neither Agree or Disagree  
 ■ Disagree  
 ■ Strongly Disagree  
 ■ Not Answered

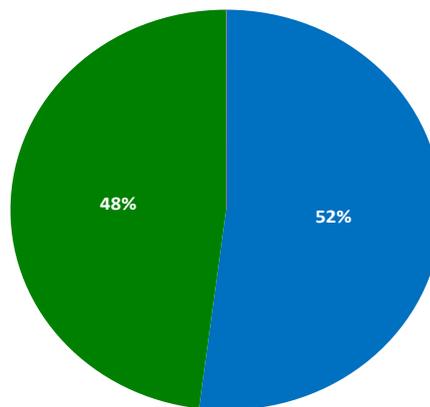
# Overall Teaching Feedback

Demonstrate basic techniques for small bowel, vascular and tendon anastomoses



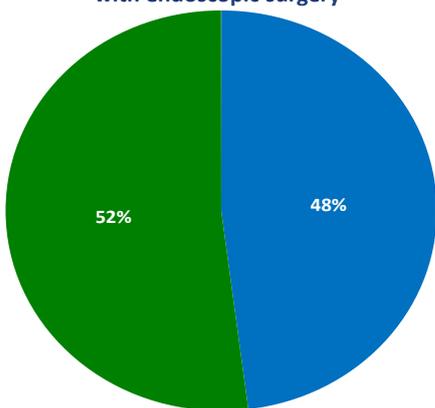
■ Strongly Agree      ■ Agree  
■ Neither Agree or Disagree      ■ Disagree  
■ Strongly Disagree      ■ Not Answered

Demonstrate an understanding of basic diathermic technique



■ Strongly Agree      ■ Agree  
■ Neither Agree or Disagree      ■ Disagree  
■ Strongly Disagree      ■ Not Answered

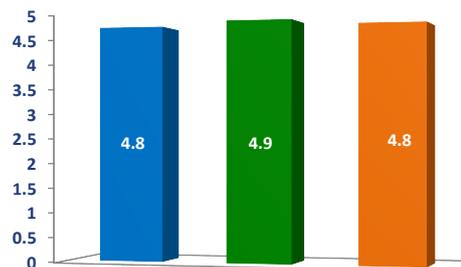
Demonstrate effective management of ergonomic tissue commonly encountered with endoscopic surgery



■ Strongly Agree      ■ Agree  
■ Neither Agree or Disagree      ■ Disagree  
■ Strongly Disagree      ■ Not Answered

## Introduction

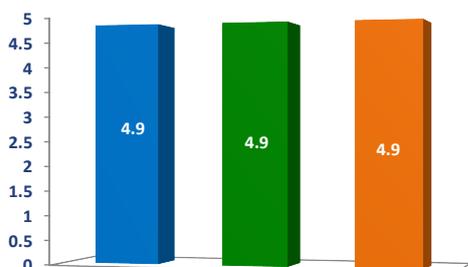
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information      ■ Relevance of session  
■ Delivery (materials/style)

## Gowning and Gloving

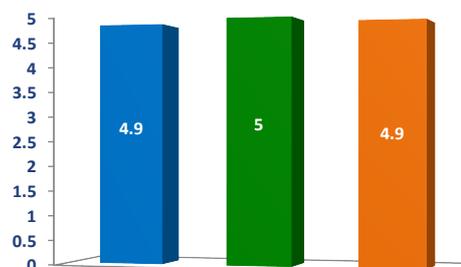
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information      ■ Relevance of session  
■ Delivery (materials/style)

## Handling Instruments

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent

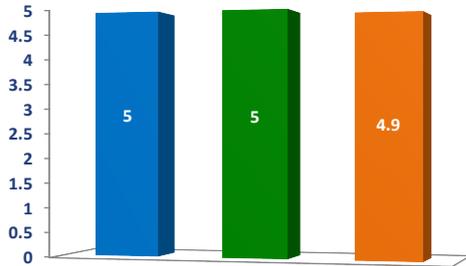


■ Clarity of information      ■ Relevance of session  
■ Delivery (materials/style)

# Overall Teaching Feedback

## Knots (1) Reef knot, instrument tie

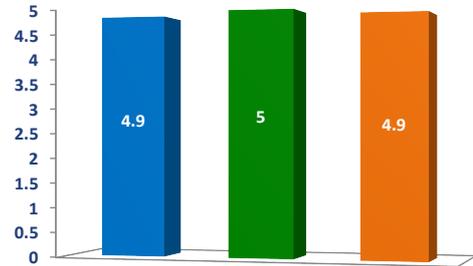
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Knots (2) Surgeons knot, tie at depth

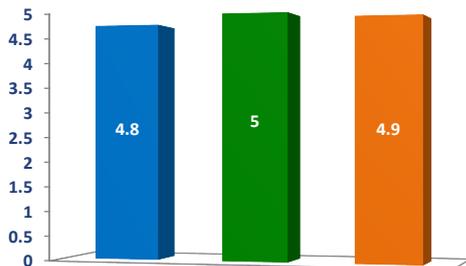
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Suturing Needle manipulation and driving, interrupted, sub-cuticular, vertical mattress

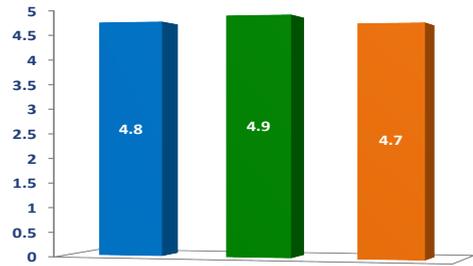
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Skin lesions and LA techniques - Skin lesions, sebaceous cyst

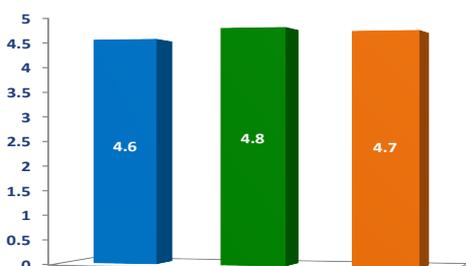
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Fine tissue handling (1) Tendon repair, assisted

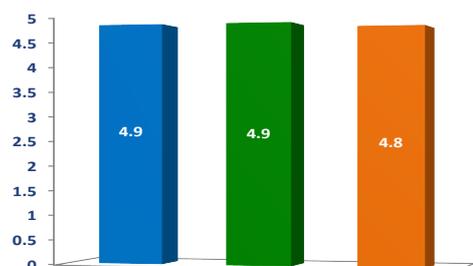
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Wound management - Abscess drainage, debriding traumatic wound

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent

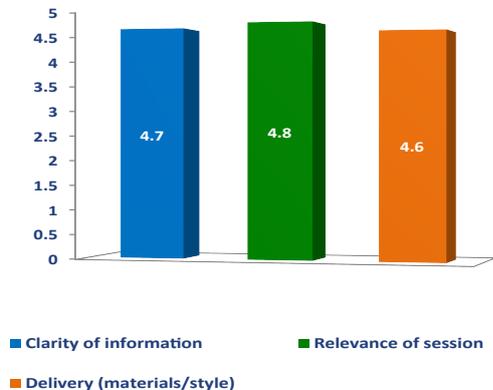


■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

# Overall Teaching Feedback

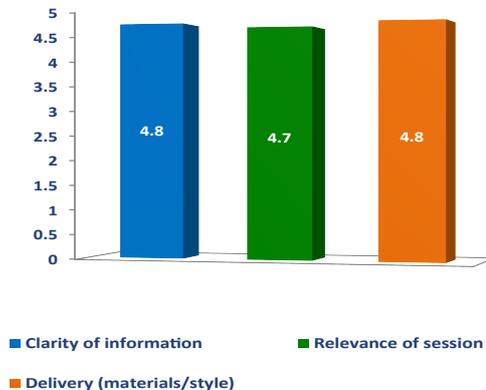
## Diathermy (practical or seminar)

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



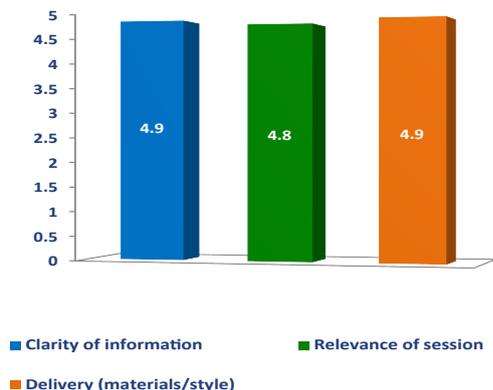
## Skills consolidation/OSAT

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



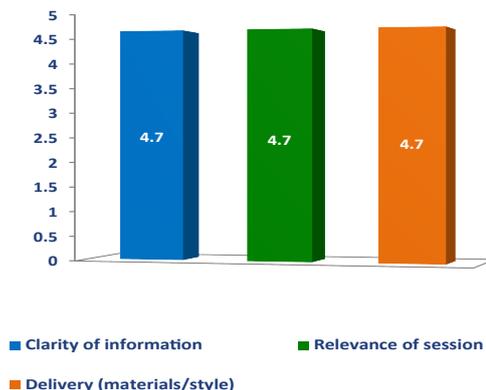
## Abdominal incision and closure

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



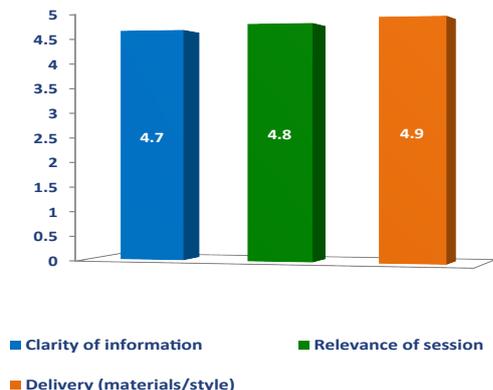
## Haemostasis - ligation in continuity, pedicle ligation, transfixion

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



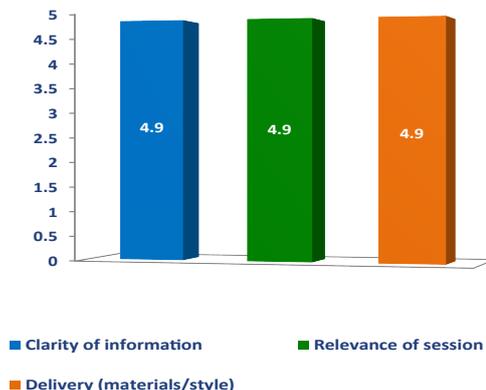
## End to end bowel anastomosis - interrupted, instrument tied knots

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



## Fine tissue handling (2) Vein patch exercise, assisted

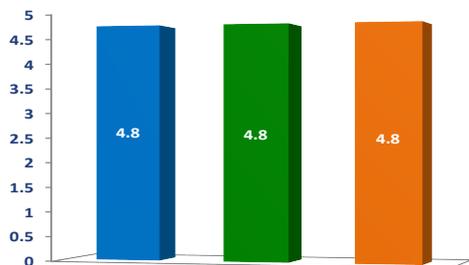
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



# Overall Teaching Feedback

## Introduction to endoscopic surgery

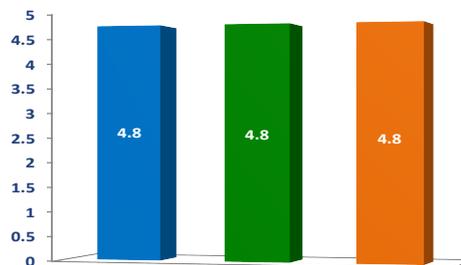
1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Endoscopic exercises - visualisation tasks, various scope angles, use of coaxial instruments, manipulation of non-coaxial instruments

1 is Very Poor, 2 is Poor, 3 is Neutral, 4 is Good, 5 is Excellent



■ Clarity of information    ■ Relevance of session  
■ Delivery (materials/style)

## Comments

- Great equipment. All instruments were new and suture pack was helpful.
- All of the instruments worked well and we received plenty of suture packs to practice with.
- Excellent lab facilities.
- The course was excellent. Very informative and well preserved.
- Good use of animal tissue.
- Excellent materials.
- Excellent resources .



THE ROYAL COLLEGE  
OF SURGEONS OF  
EDINBURGH



## Intercollegiate Basic Surgical Skills Course

