



THE ROYAL
COLLEGE OF
SURGEONS
OF EDINBURGH



Intercollegiate Basic Surgical Skills Course

Feedback - October 2024

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 were then 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

Course Date:	19th and 20th October 2024
Venue:	Doctors Academy International Education and Training Centre (Cardiff), Frazer Building, 126 Bute Street, Cardiff
Attendance:	22 Delegates
Aimed at:	FY1 (6 months in a surgical training post is a pre-requisite); FY2; ST1/CT1; ST2/CT2.
Course Fee:	£585.00 - Full Course Fee

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, 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

0830 Registration

0840 Introduction

Gowning and Gloving

Handling Instruments

Knot Tying (1): Reef Knot; Instrument Tie

1100

Refreshment Break

Knot Tying (2): Surgeons Knot; Tying at Depth

Suturing (Needle Manipulation and Driving; Interrupted; Sub-Cuticular; Vertical Mattress)

1300

Lunch

Skin Lesions and LA Techniques

Fine Tissue Handling (1): Tendon Repair

1515

Refreshment Break

Wound Management: Abscess Drainage; Debriding a Traumatic Wound

Diathermy

1730 Question and Answer Session

1745 End of Day 1

Course Programme

Day 2

0830 Skills Consolidation/OSAT
Abdominal Incision and Closure

1100 Refreshment Break

Haemostasis: Ligation in Continuity; Pedicle Ligation; Transfixion
End-to-End Bowel Anastomosis (Interrupted; Instrument-Tied Knots)

1315 Lunch

Fine Tissue Handling (2): Vascular Patch Exercise

1500 Refreshment Break

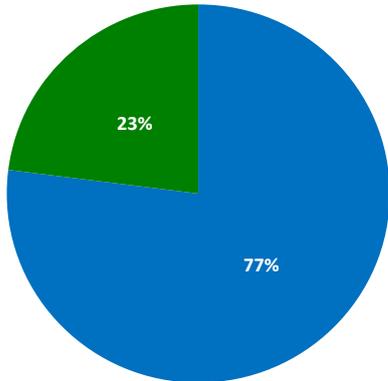
Introduction to Minimal Access Surgery
Minimal Access Exercises: Visualisation Tasks; Various Scope Angles; Use of Coaxial
Instruments; Manipulation of Non-Coaxial Instruments

1730 Question and Answer Session

1740 End of Course

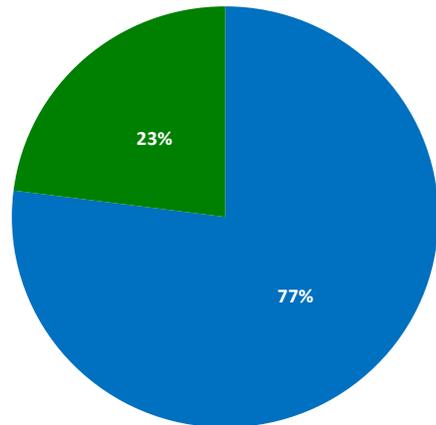
Overall Feedback

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



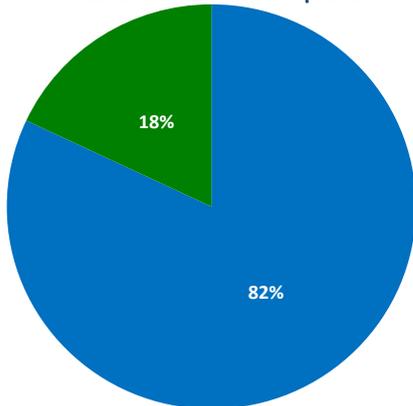
Strongly Agree
Agree
Neither Agree or Disagree
Disagree
Strongly Disagree

Describe correct handling and use of surgical instruments



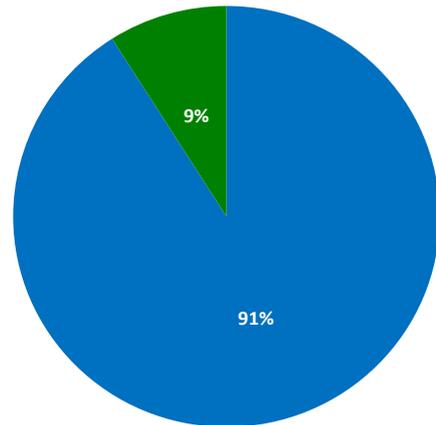
Strongly Agree
Agree
Neither Agree or Disagree
Disagree
Strongly Disagree

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



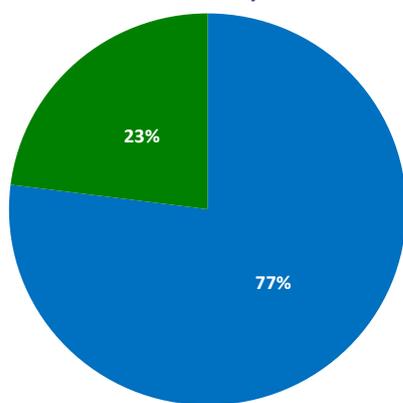
Strongly Agree
Agree
Neither Agree or Disagree
Disagree
Strongly Disagree

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



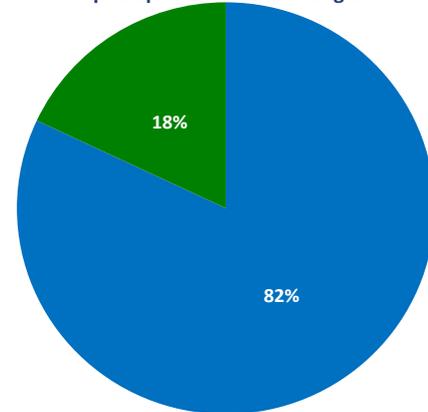
Strongly Agree
Agree
Neither Agree or Disagree
Disagree
Strongly Disagree

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



Strongly Agree
Agree
Neither Agree or Disagree
Disagree
Strongly Disagree

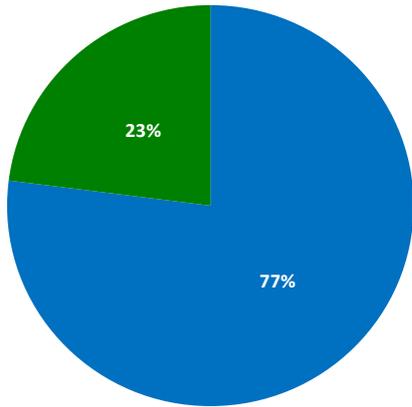
Perform abscess drainage and contaminated wound debridement in accordance with the basic principles of wound management



Strongly Agree
Agree
Neither Agree or Disagree
Disagree
Strongly Disagree

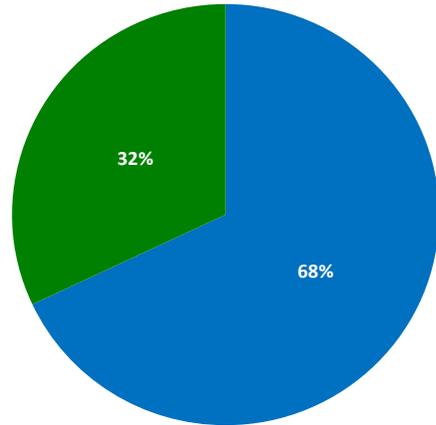
Overall Feedback

Demonstrate basic techniques for small bowel, vascular and tendon anastomoses



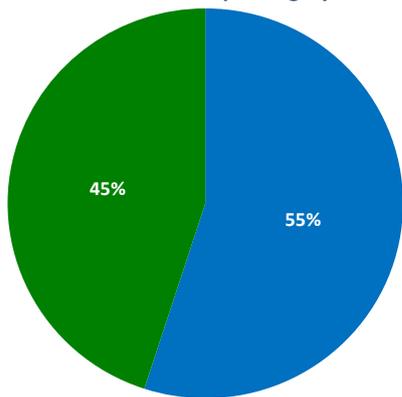
■ Strongly Agree
■ Neither Agree or Disagree
■ Strongly Disagree
■ Agree
■ Disagree

Demonstrate an understanding of basic diathermic technique



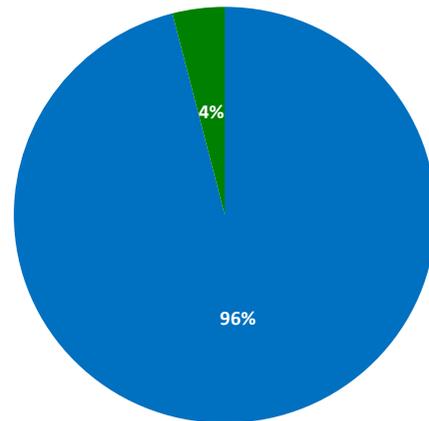
■ Strongly Agree
■ Neither Agree or Disagree
■ Strongly Disagree
■ Agree
■ Disagree

Demonstrate effective management of ergonomic tissue commonly encountered with endoscopic surgery



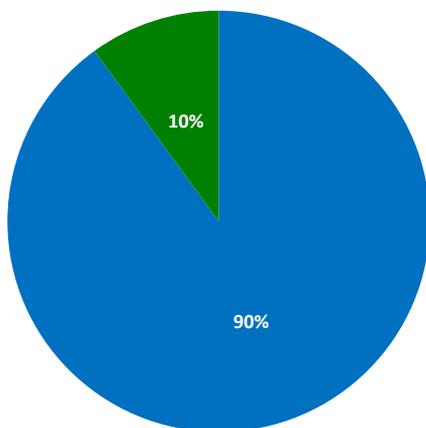
■ Strongly Agree
■ Neither Agree or Disagree
■ Strongly Disagree
■ Agree
■ Disagree

Has attending this course allowed you to improve in any other areas?



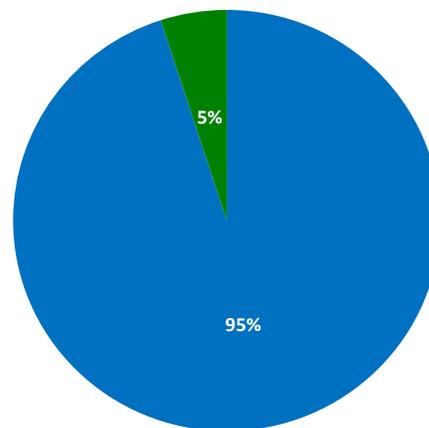
■ Yes
■ No

Gowning and Gloving



■ Good
■ Adequate
■ Poor

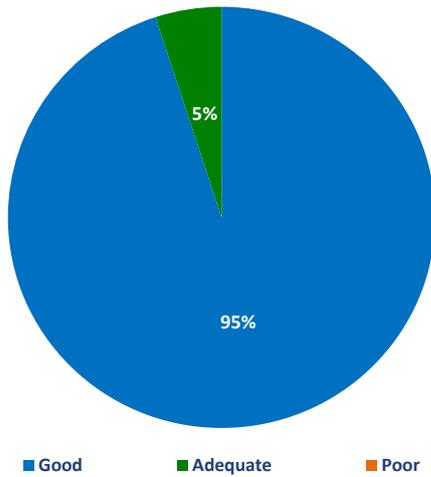
Handling instruments



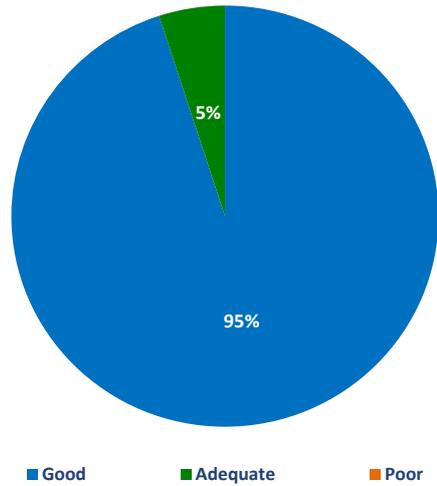
■ Good
■ Adequate
■ Poor

Overall Feedback

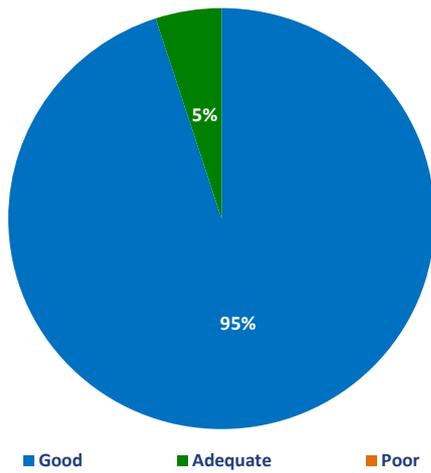
Knots (1) Reef knot, instrument tie



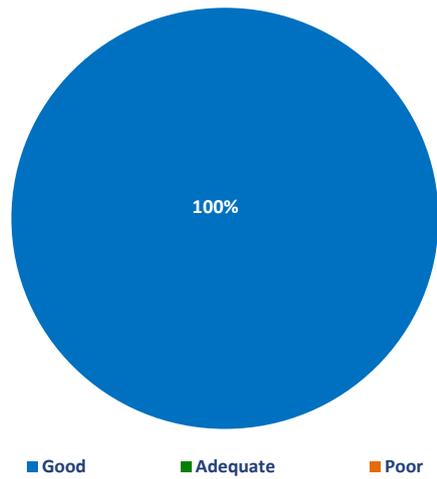
Knots (2) Surgeons knot, tie at depth



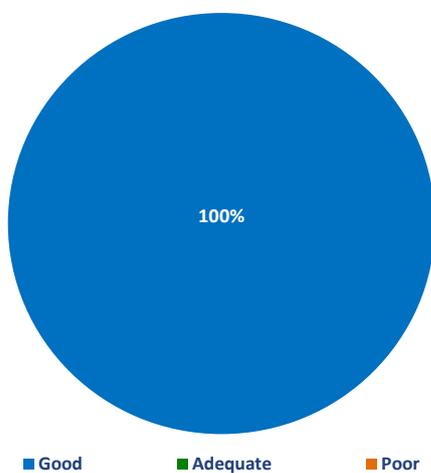
Suturing Needle manipulation and driving, interrupted, subcuticular, vertical mattress



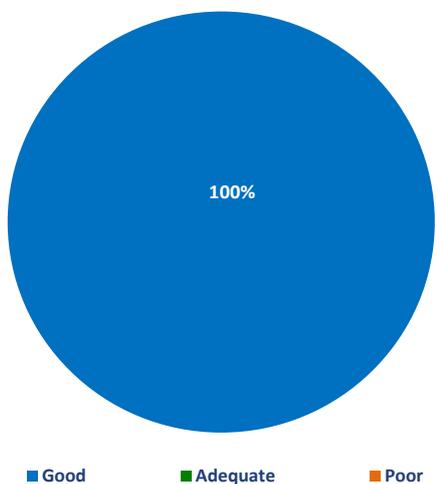
Skin lesions and LA techniques - Skin lesions, sebaceous cyst



Fine tissue handling (1) Tendon repair, assisted

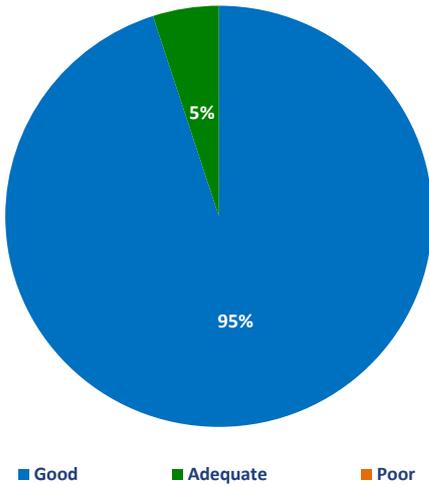


Wound management - Abscess drainage, debriding traumatic wound

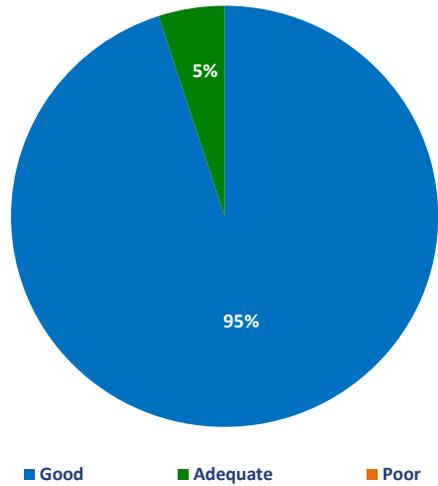


Overall Feedback

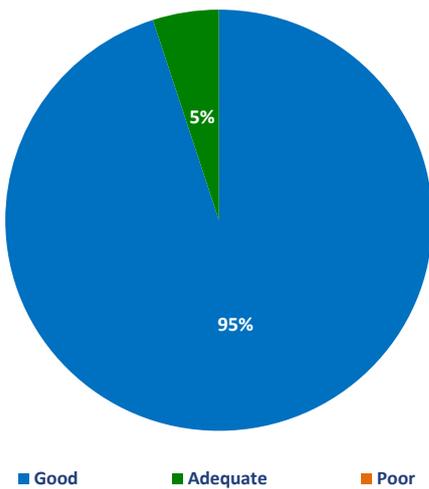
Diathermy



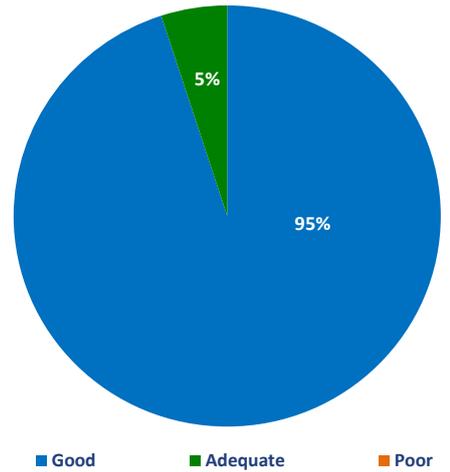
Skills consolidation/OSAT



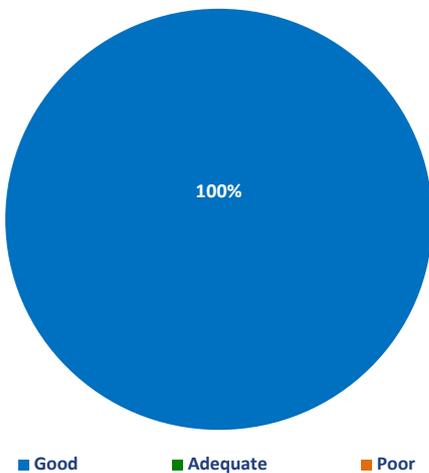
Abdominal incision and closure



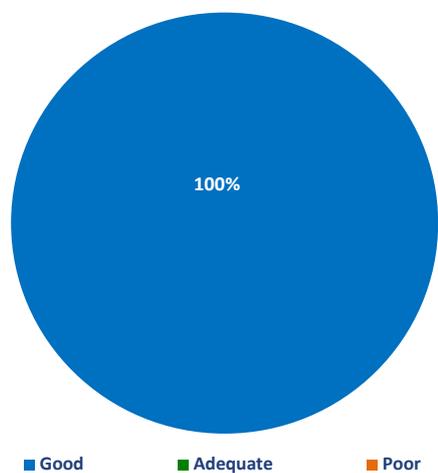
Haemostasis - ligation in continuity, pedicle ligation, transfixion



End to end bowel anastomosis - interrupted, instrument tied knots

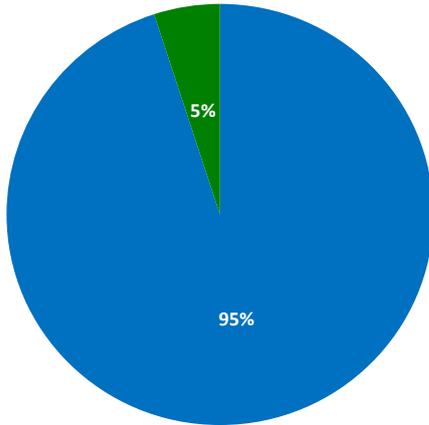


Fine tissue handling (2) Vein patch exercise, assisted



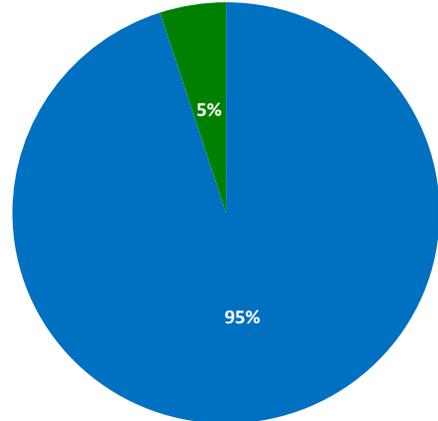
Overall Feedback

Introduction to minimal access surgery



■ Good ■ Adequate ■ Poor

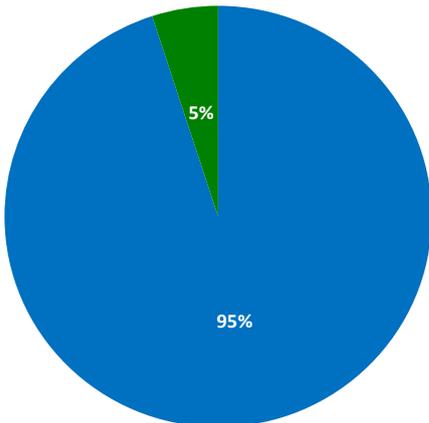
Minimal access exercises - visualisation tasks, various scope angles, use of coaxial instruments, manipulation of non-coaxial instruments



■ Good ■ Adequate ■ Poor

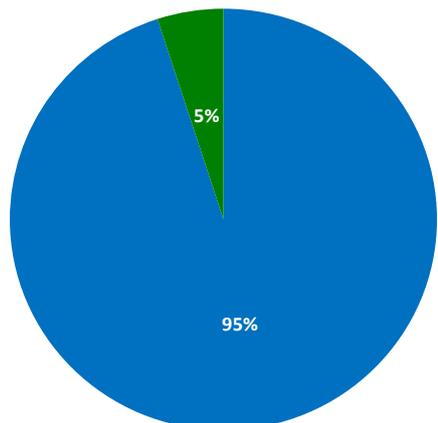
Style of Delivery

Gowning and Gloving



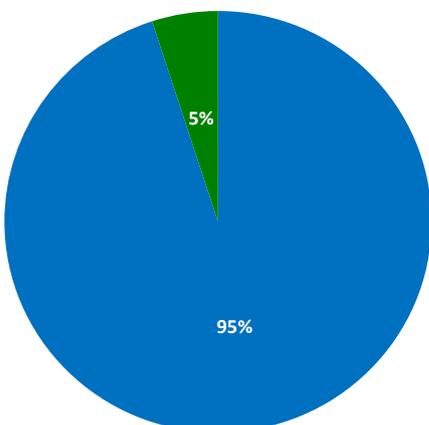
■ Good ■ Adequate ■ Poor

Handling instruments



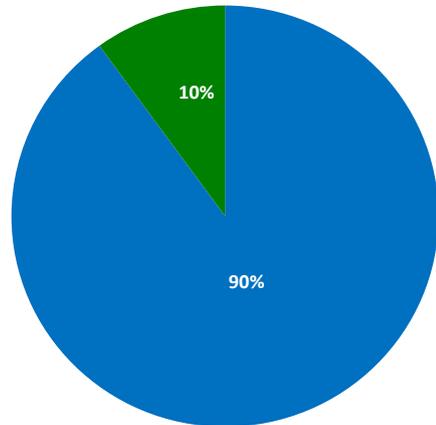
■ Good ■ Adequate ■ Poor

Knots (1) Reef knot, instrument tie



■ Good ■ Adequate ■ Poor

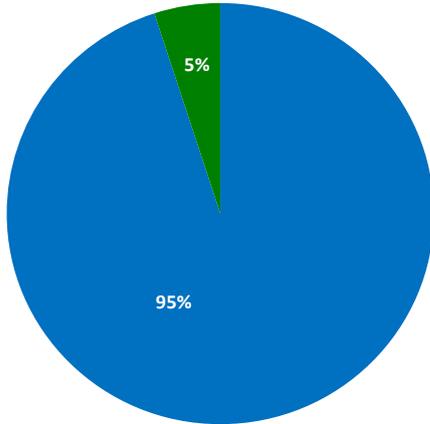
Knots (2) Surgeons knot, tie at depth



■ Good ■ Adequate ■ Poor

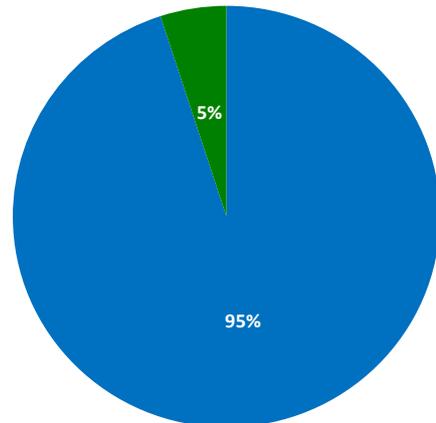
Overall Feedback

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



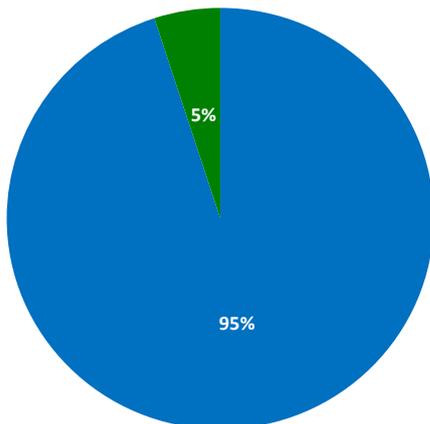
■ Good ■ Adequate ■ Poor

Skin lesions and LA techniques - Skin lesions, sebaceous cyst



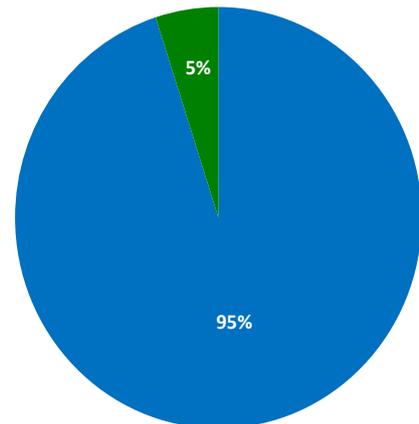
■ Good ■ Adequate ■ Poor

Fine tissue handling (1) Tendon repair, assisted



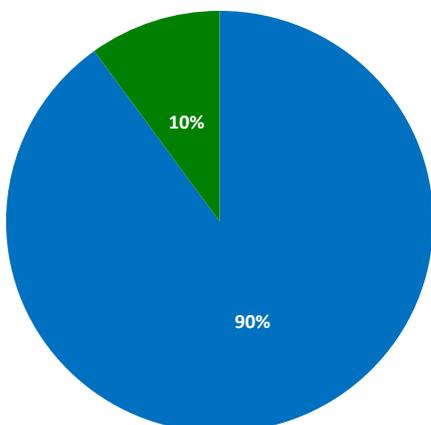
■ Good ■ Adequate ■ Poor

Wound management - Abscess drainage, debriding traumatic wound



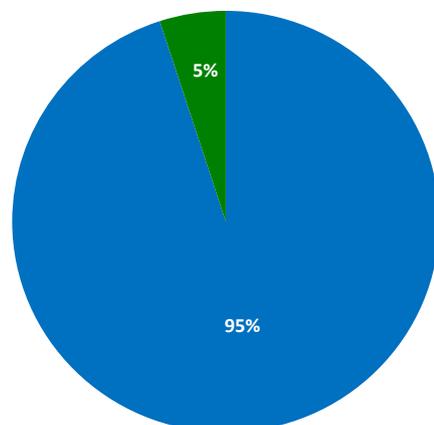
■ Good ■ Adequate ■ Poor

Diathermy



■ Good ■ Adequate ■ Poor

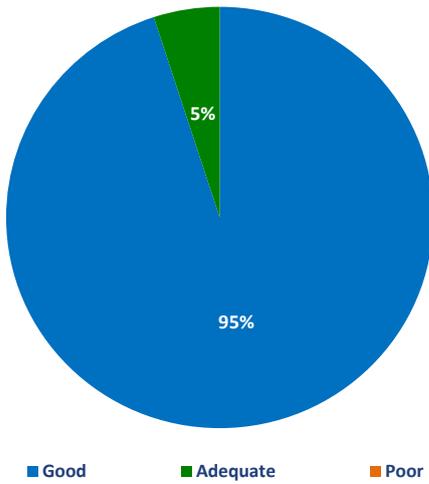
Skills consolidation/OSAT



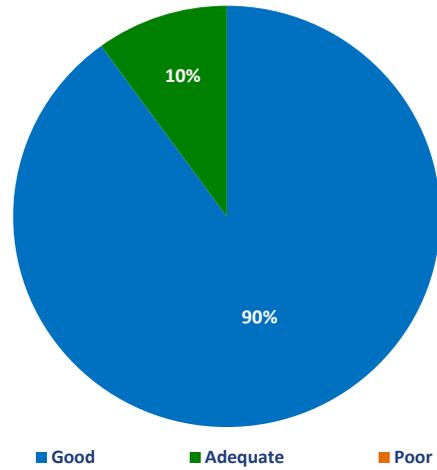
■ Good ■ Adequate ■ Poor

Overall Feedback

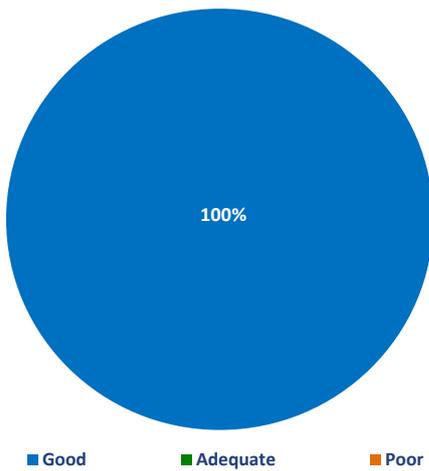
Abdominal incision and closure



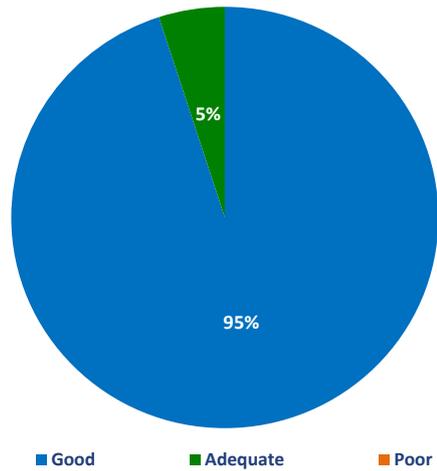
Haemostasis - ligation in continuity, pedicle ligation, transfixion



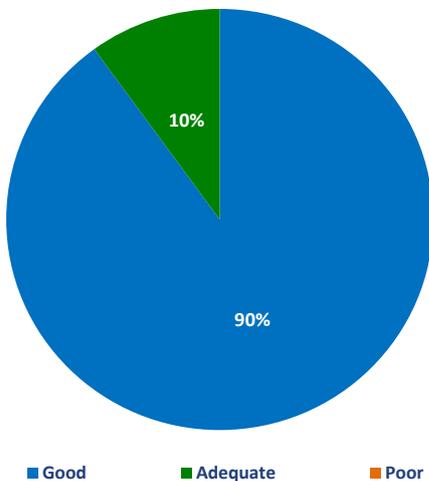
End to end bowel anastomosis - interrupted, instrument tied knots



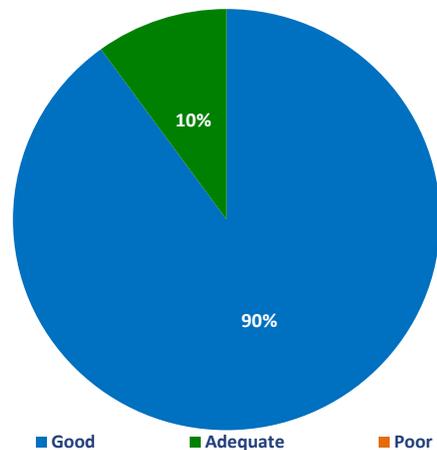
Fine tissue handling (2) Vein patch exercise, assisted



Introduction to minimal access surgery

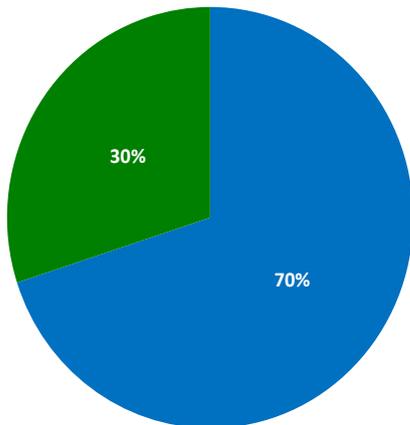


Minimal access exercises - visualisation tasks, various scope angles, use of coaxial instruments, manipulation of non-coaxial instruments



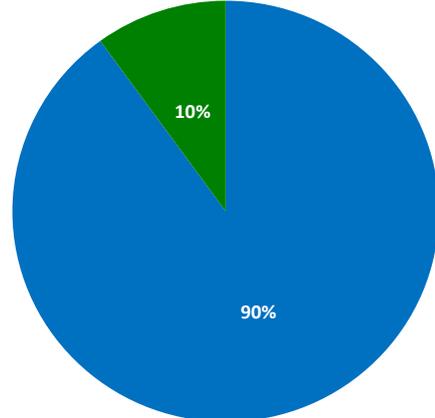
Overall Feedback

The faculty provided constructive feedback



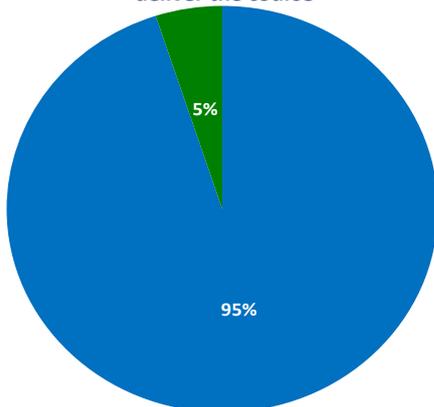
- Strongly Agree
- Agree
- Neither Agree or Disagree
- Disagree
- Strongly Disagree

The number of faculty was sufficient to deliver the course



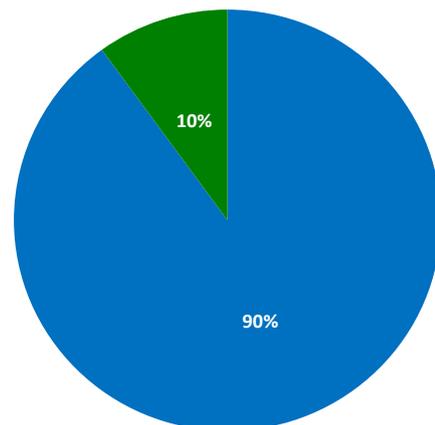
- Strongly Agree
- Agree
- Neither Agree or Disagree
- Disagree
- Strongly Disagree

The faculty demonstrated the level of knowledge and skills required to effectively deliver the course



- Strongly Agree
- Agree
- Neither Agree or Disagree
- Disagree
- Strongly Disagree

The faculty were approachable and enthusiastic



- Strongly Agree
- Agree
- Neither Agree or Disagree
- Disagree
- Strongly Disagree

Feedback

The course was really helpful to gain hands on practice.

Thanks for organising such an amazing course to help juniors to get more theatre skills.

It was a very informative course.

I enjoyed every minute. Many thanks.

It was overall a very good experience where I learnt lots of essential skills to become a helpful member in theatre with bosses.

Amazing course. Professor and the other teachers were super helpful and amazing teachers



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