



**MRCs Part A Course:
Basic Sciences and Clinical
Application**



Feedback - December 2017

MRCS Part A Course: Basic Sciences and Clinical Application

Basic science subjects such as anatomy, physiology, pathology and microbiology are the principal components for developing a strong foundation for surgical training and for the understanding of its clinically applied aspects such as surgical anatomy and critical care physiology. As such, these subjects form an integral part in the MRCS A exam.

This two-day course provided the attendee with an overview of basic physiological principles, consolidated the candidate's core and applied surgical knowledge in anatomy and relevant pathology, and provided a focused revision of pertinent topics as tested in the exam.

The course was structured into two distinct but related days. During the first day the emphasis was on basic and applied pathology, basic physiology and critical care, principles of surgery and clinical topics. The second day predominately featured topics on basic and surgically applied anatomy, and its related pathology. Microbiology pertinent to MRCS A was also covered during day two. It was advised that candidates attend both days of the course to obtain full benefit but if they were particularly strong in the topics on day one or day two they had the option of attending just one day of the course.

Candidates who attended this course received full access to MRCS Part A online educational resources from www.doctorexams.co.uk for a 4 month period. This resource contains 100s of SBA and EMQ questions for practice. In addition, they also received full access to all presentations via a secure, online link. All these benefits and privileges were included within the course fee.



Course Information

Course date:	9th and 10th December 2017
Venue:	Doctors Academy Institute for Medical Education, Cardiff
Attendance:	37 Delegates
Aimed at:	Trainees preparing for MRCS Part A Examination
Faculty:	Surgeons
Course fee:	Student £260.00



Course Programme

Day 1

SURGICAL AND APPLIED ANATOMY, SYSTEM SPECIFIC PATHOLOGY AND MICROBIOLOGY

0830 - 0840	Registration
0840 - 0850	Introduction and format of the Exam
0850 - 1030	Skull base, Head, Scalp and face; Surgical Pathologies of the Head and Face
1030 - 1110	Neck, Thyroid, Larynx, Pharynx, Tongue; Surgical Pathologies of the Neck

1110 - 1130 Break for refreshments

1130 - 1230	Brachial plexus, arm, shoulder, scapula, back and rotator cuff (includes upper limb nerve injuries, palsies and shoulder pathologies)
1230 - 1300	Cubital fossa, forearm, flexor retinaculum and hand (includes carpal tunnel syndrome, ulnar nerve palsies, hand pathologies)

1300 - 1340 Lunch

1340 - 1420	Thoracic wall; Mediastinum; Heart; Lungs and Diaphragm
1420 - 1440	Vascular anatomy of thorax, head and neck and thorax (includes vascular access and chest drain insertion); Vascular Pathologies of Neck and Thorax
1440 - 1530	Essential topics in Microbiology

1530 - 1550 Break for refreshments

1550 - 1630	Transpyloric plane, anterior abdominal wall and inguinal region (includes hernia)
1630 - 1715	Abdominal and pelvic anatomy (includes bowel pathologies, colon cancer and segmental bowel resections)
1720 - 1745	Lumbar and lumbosacral plexus
1745 - 1830	Femoral triangle, thigh, popliteal fossa; Lower leg, ankle and foot (includes lower limb nerve injuries, palsies, compartment syndrome and ankle injuries)
1830	End of Day 1

Course Programme

Day 2

GENERAL PATHOLOGY, CANCERS, PRINCIPLES OF SURGERY, GENETICS, STATISTICS AND APPLIED SURGICAL SCIENCES

0830 - 0930	Management of Trauma; ATLS Principles; Head Injury; Neurophysiology
0930 - 1000	Basic and General Pathology
1000 - 1025	Genetics and Inheritance Patterns
1025 - 1055	Pre-operative Assessment
1055 - 1115	Post-operative Complications and Management

1115 - 1135 Break for refreshments

1140 - 1210	Fundamentals of Wound Healing; Reconstructive and Plastic Surgery
1210 - 1230	Principles of Local Anaesthetics; Tourniquets; Diathermy
1230 - 1245	Fundamentals of Laparoscopic Surgery
1245 - 1300	Sutures, Suture Materials and Needles

1300 - 1340 Lunch

1345 - 1415	Management of Burns
1415 - 1500	Lumps and Benign Lesions; Ulcers; Vascular Pathologies and Vascular Surgery
1500 - 1530	Cancers of Thyroid and Breast

1530 - 1550 Break for refreshments

1550 - 1620	Melanoma and Testicular Cancers
1620 - 1650	Statistics and its Surgical Application
1650 - 1815	Cardiovascular, Respiratory, Endocrine and Renal Physiology
1815	End of Course

Faculty

Dr Alan Watson, BSc, PhD

Reader in Anatomy and Neuroanatomist

University of Cardiff

Ms Clare Carpenter, BSc (Anat), MB BCh, MRCS (Eng), MD, FRCS (T&O) Consultant Paediatric Orthopaedic Surgeon

University Hospital of Wales, Cardiff

Mr Edmund Leung, DMedSci, MRCS, FRCS

Consultant General Surgeon

Hereford County Hospital

Mr Kevin Conway, MB BCh, MD, FRCS (Gen Surg)

Consultant Vascular Surgeon

Royal Glamorgan Hospital

Dr Paul Morgan, FRCA

Consultant Intensivist

University Hospital of Wales, Cardiff

Professor Stuart Enoch, MBBS, MRCSEd, MRCS (Eng), PGCert (Med Sci), PhD

Professor, Higher Surgical Education

Doctors Academy

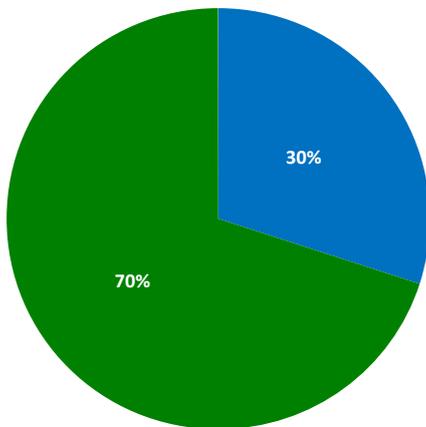
Miss Yan Mei Goh, MBChB, MRCS, PGDip Clin Ed.

PhD Research Fellow - Imperial College London

Specialist Registrar in General Surgery - Oxford Deanery

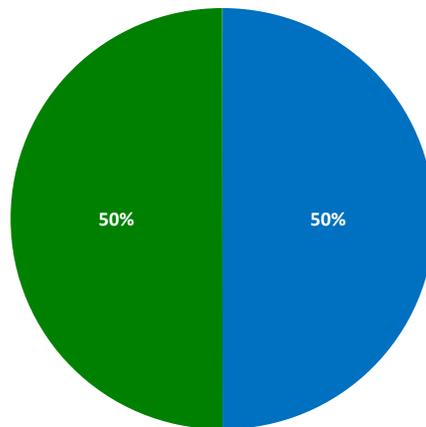
Overall Teaching Feedback

How was the content of the course?



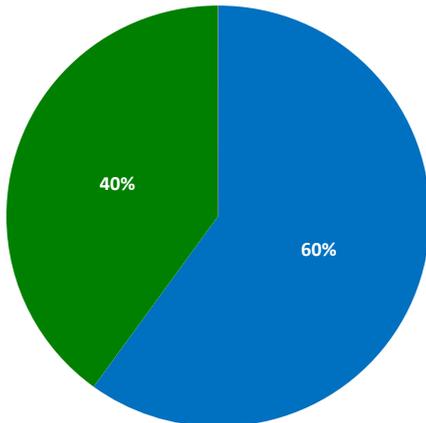
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How were the clarity of lectures?



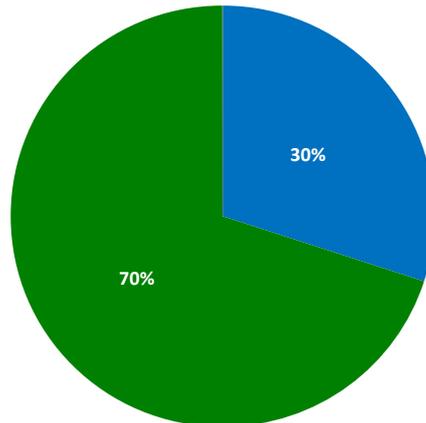
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How would you rate the general academic standard of the lecturer?



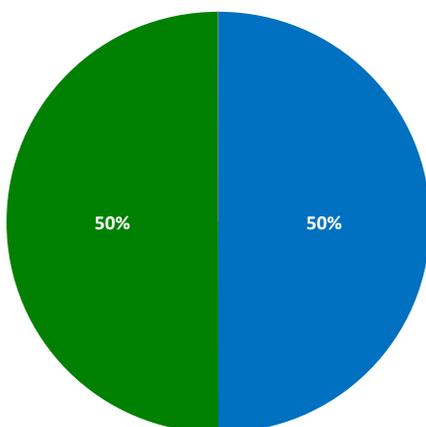
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Did the course cover the main topics you consider are important for the exam?



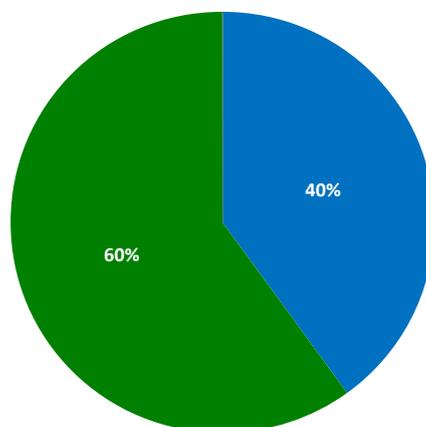
■ Most Certainly ■ Certainly ■ Probably ■ A little ■ Not at all

Anatomy of Skull, Head and Face



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

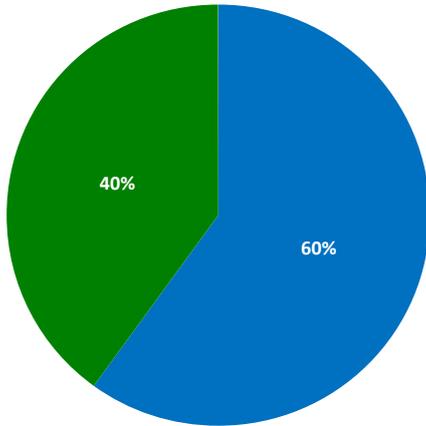
Anatomy of Neck, Larynx, Pharynx, Tongue



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

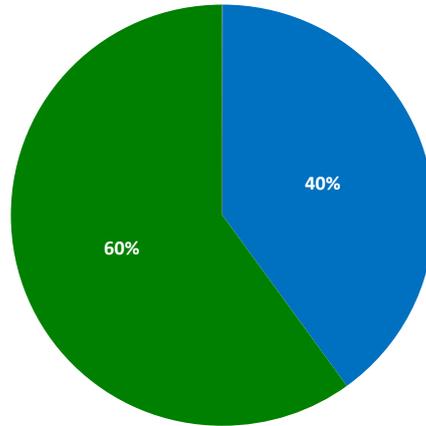
Overall Teaching Feedback

Anatomy of Brachial Plexus, Arm, Shoulder and Rotator Cuff



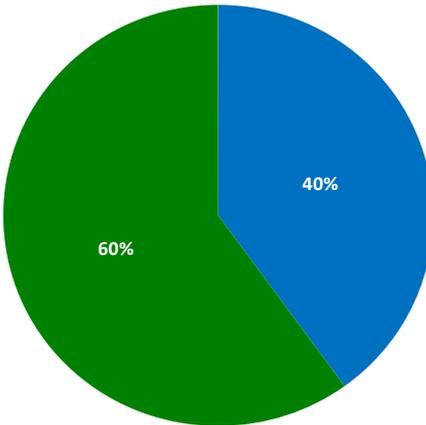
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Anatomy of Cubital Fossa, Forearm, Flexor Retinaculum and Hand



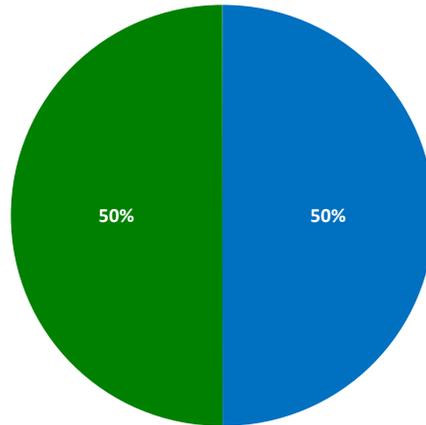
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Anatomy of Thoracic Wall Mediastinum Heart Lungs and Diaphragm



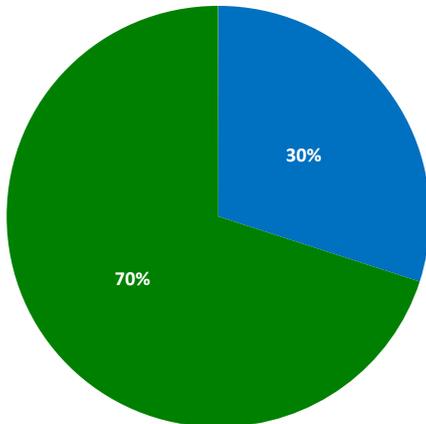
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Vascular Anatomy



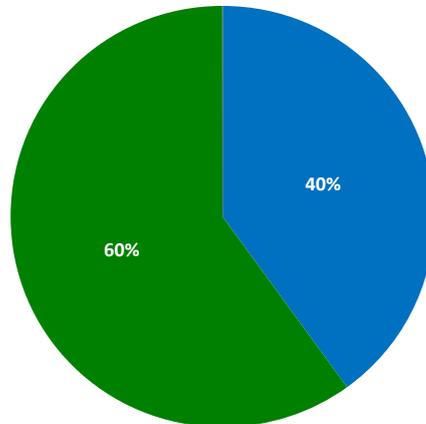
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Anatomy of Transyloric Plane, Anterior Abdominal Wall and Inguinal Region



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

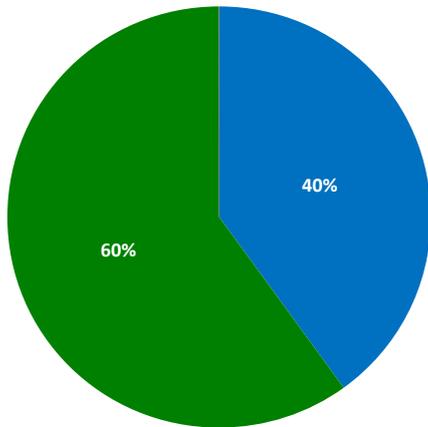
Anatomy of Abdomen



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

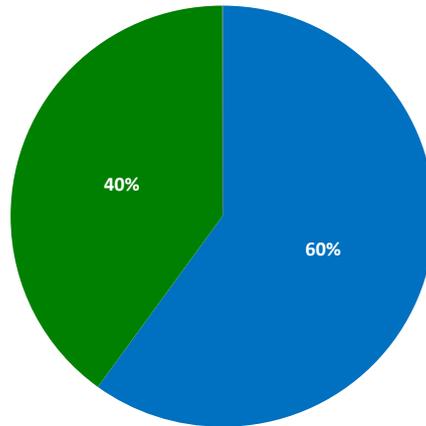
Overall Teaching Feedback

Anatomy of Pelvis



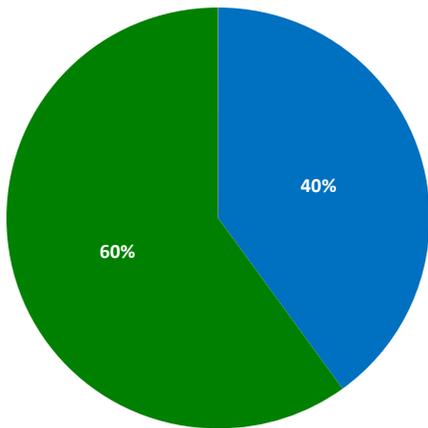
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Anatomy of Lumbar and Lumbosacral Plexus



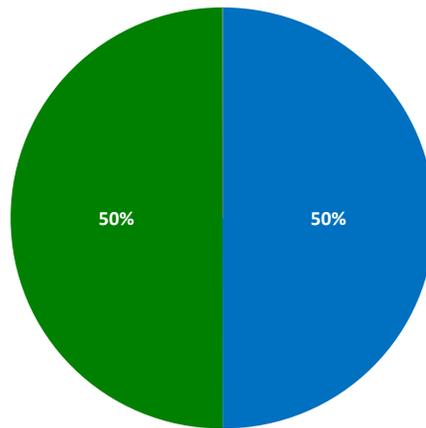
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Anatomy of Femoral Triangle, Thigh, Popliteal Fossa; Lower Leg and Ankle



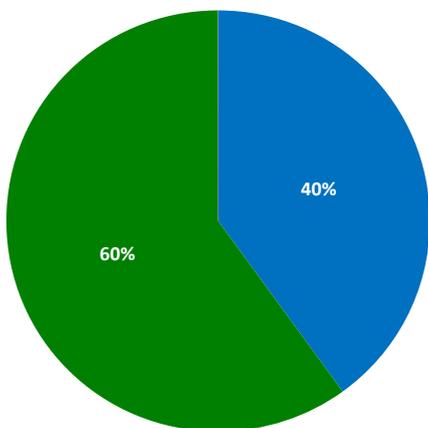
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Basic Head and Neck Embryology and Pharyngeal Arches



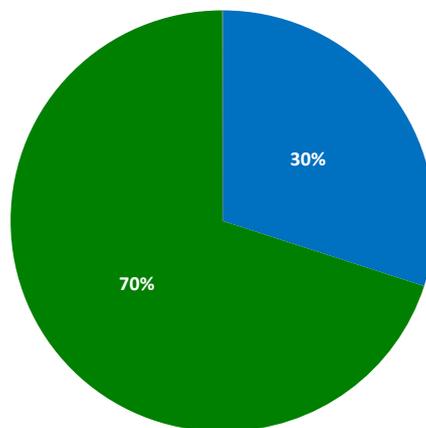
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Basic and General Pathology



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

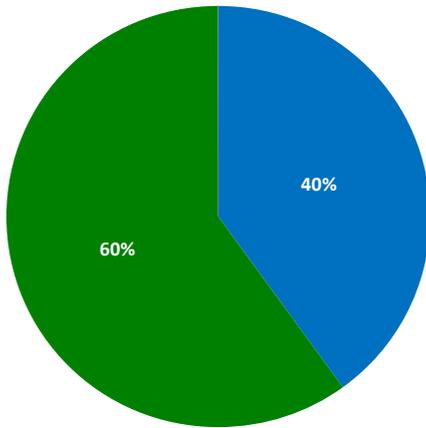
Genetics and Inheritance Patterns



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

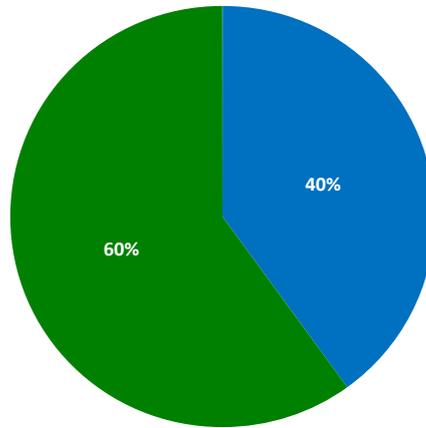
Overall Teaching Feedback

Statistics and its Surgical Application



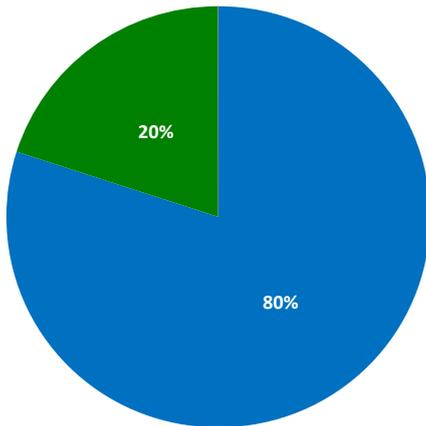
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Fundamentals of Wound Healing



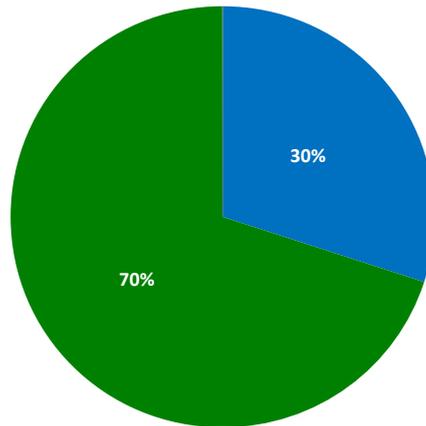
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Basics of Reconstruction, Grafts and Flaps (Plastic Surgery)



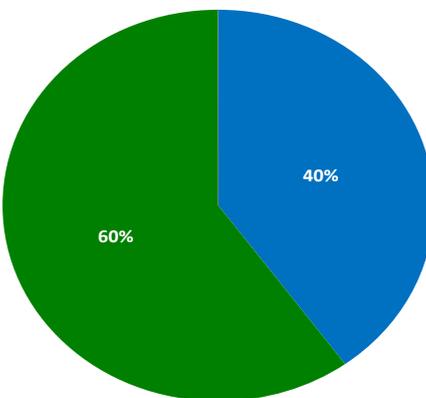
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Principles of Local Anaesthesia



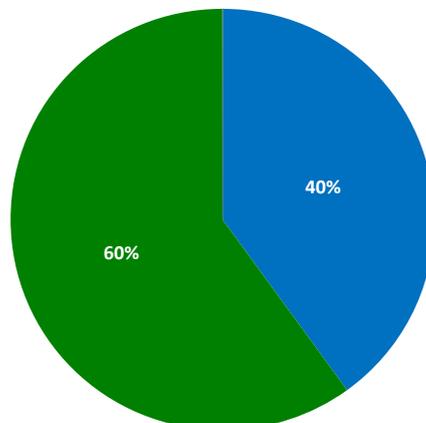
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Sutures, Suture Materials and Needles



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

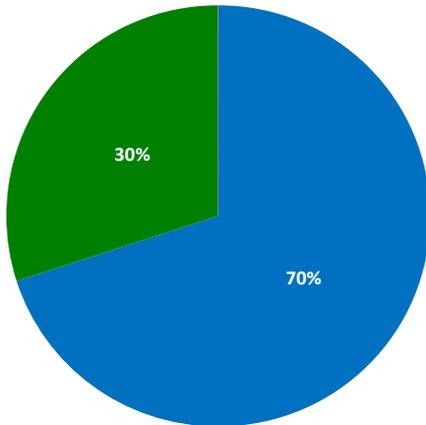
Basics of Head Injury and Neurophysiology



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

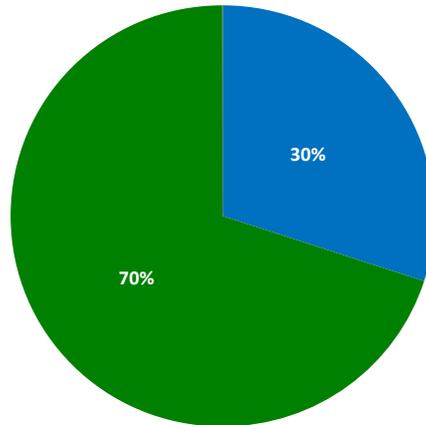
Overall Teaching Feedback

Principles in the Management of Burns



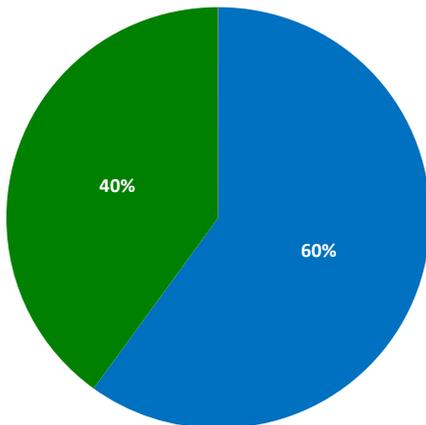
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Rhabdomyolysis



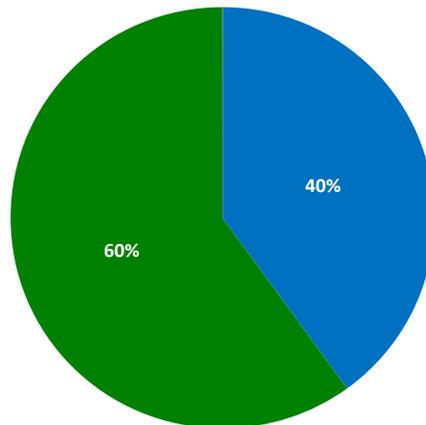
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Management of Skin Cancers



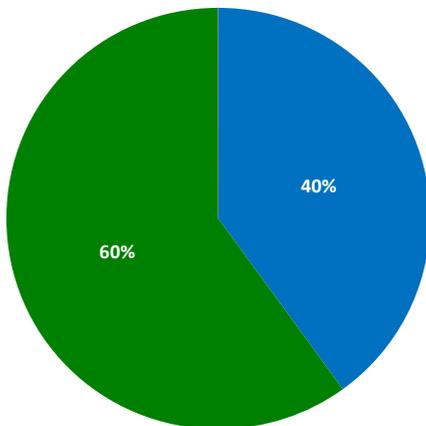
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Management of Melanomas



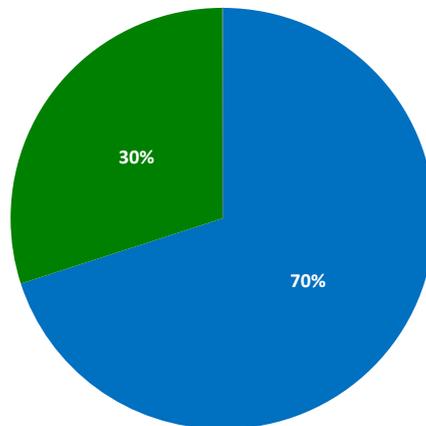
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Management of Testicular Cancer



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

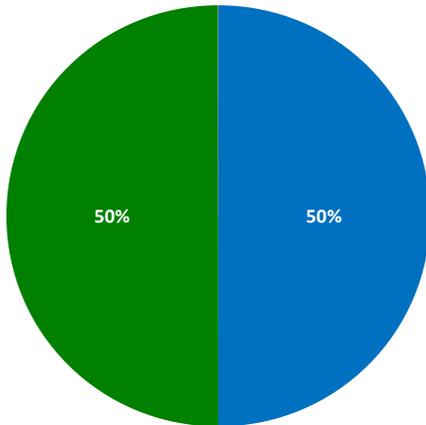
Management of Colorectal Cancer



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

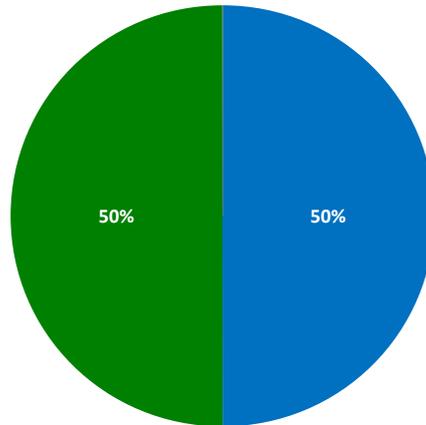
Overall Teaching Feedback

Management of Ulcers



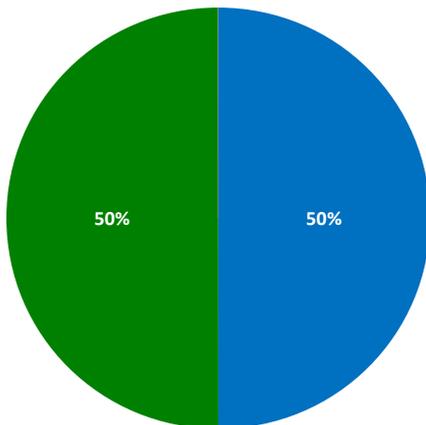
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Tourniquets and Diathermy



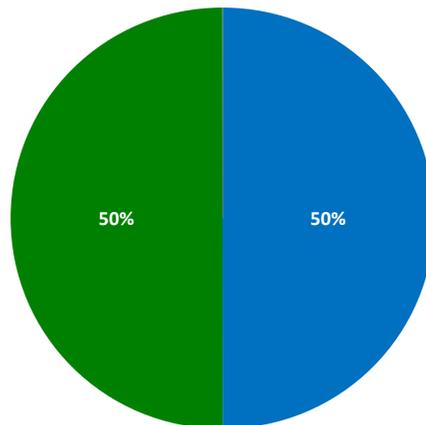
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Fundamentals of Calcium Metabolism



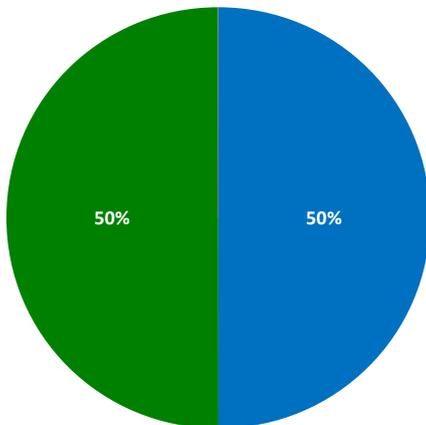
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Management of Fracture Neck of Femur



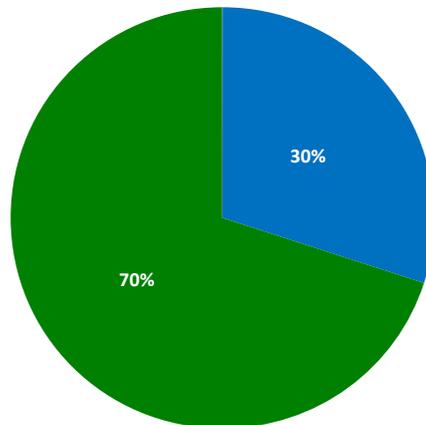
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Interactive Questions, Discussion and Revision



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

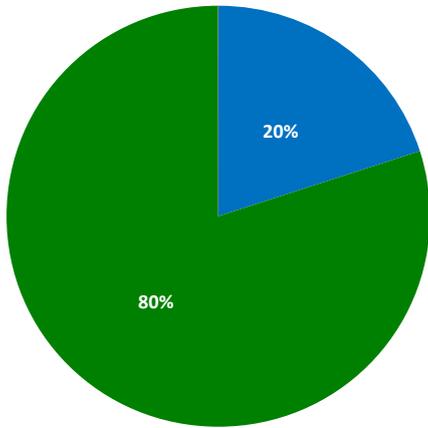
How were the facilities and venue?



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

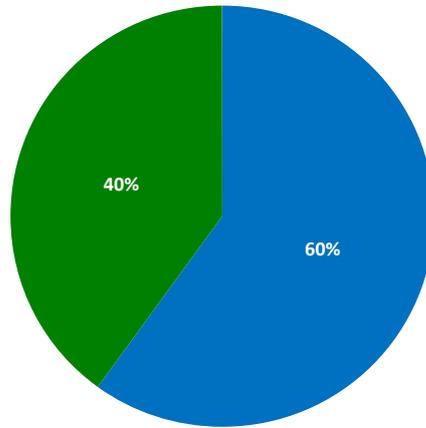
Overall Teaching Feedback

How were the refreshments and lunch?



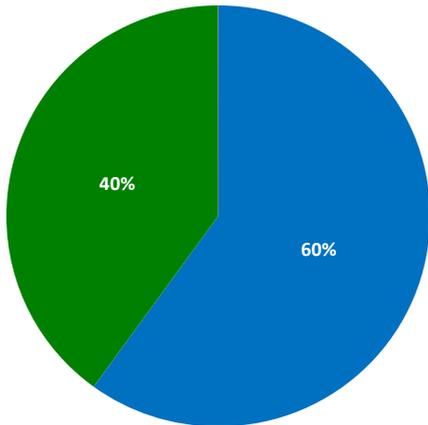
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How was the general friendliness of the faculty and organisers?



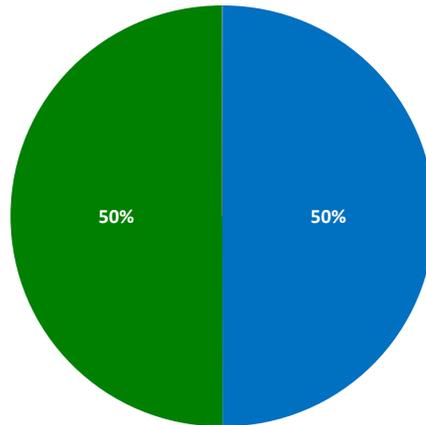
■ Very friendly ■ Friendly ■ Neutral ■ Not very friendly ■ Can't comment

Would you recommend this course to a friend?



■ Certainly ■ Most Certainly ■ Probably ■ Unlikely ■ Not at all

Do you think that this course provided good value for money?



■ Certainly ■ Most Certainly ■ Probably ■ Unlikely ■ Not at all

Individual Comments

Excellent organisation and timing. The lecturer had a fantastic presentation style and it was clear a formidable knowledge of the topics.

JH
Princess Royal Hospital, Telford

Excellent course, very good for revision.

AM
Northampton General Hospital, Northampton

Excellent.

SE
Derriford Hospital, Plymouth

Good concise material. Could include microbiology as stated in the course programme.

TY
Queen Victoria Hospital, East Grinstead

Excellent Course. From set up to organisation to teaching and most importantly content. Worth every penny and more!

ZA
Leicester Royal Infirmary, Leicester

Useful course. Covered topics adequately. Very friendly and approachable faculty.

VP
Royal Hallamshire Hospital, Sheffield

Excellent teaching and very knowledgeable. Thought the course was brilliant and look forward to the part B course, thank you.

CS
Royal Derby Hospital, Derby

Excellent revision course for MRCS part A.

GF
Derriford Hospital, Plymouth

Very good.

AM
Northampton General Hospital, Northampton



DOCTORS ACADEMY

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Courses (a selection):

Undergraduate:

- Final Year Medicine and Surgical Revision Courses
- Training the Clinical Anatomy Trainer
- Clinical Anatomy as Applied to Trauma and Emergency Medicine
- Surgical Anatomy of Important Operative Procedures
- Future Surgeons: Key Skills (RCSEd delivered)
- Structured Introduction to Surgical Skills

Postgraduate:

- MRCS Part A
- MRCEM Part A
- MRCS Part B OSCE
- DOHNS: Intensive Revision & OSCE
- Intercollegiate Basic Surgical Skills (RCSEd delivered)
- MRCP PACES Part 2
- FRCS (General Surgery) Exit Exam
- Cadaveric Ultrasound-Guided Musculoskeletal Intervention Course
- Ultrasound-Assisted Botulinum Toxin Injection for Neuromuscular Disorders
- Live Advanced Laparoscopic Colorectal Course



Forthcoming key events:

- **International Medical Summer School**
Manchester, 6th to 10th August 2018
- **International Academic and Research Conference**
Manchester, 11th August 2018
- **World University Anatomy Challenge**
Manchester, 9th and 10th August 2018

Publications



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World Journal of Medical Education & Research



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with ISSN.

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Online Revision Resources

DoctorExams consists of 1000s of questions with detailed explanations in MCQ, EMQ, SBA and SAQ formats. Questions are written by the Doctors Academy group of experienced clinicians and clinical academics, with mock exams and feedback on performance included to aid a candidate's focused revision of topics. Based on past exams, these questions are carefully crafted to suit the requirements of undergraduate students & postgraduate trainees undertaking relevant speciality exams.

Resources for:

- Medical Students
- Dental Students
- International Entrance Exams
- MRCS Exams
- General Surgery Exams
- Plastic Surgery Exams
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