



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



Feedback - July 2018

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: | 20th, 21st and 22nd July 2018 |
| Venue: | School of Biosciences, Cardiff University, Cardiff |
| Attendance: | 43 Delegates |
| Aimed at: | Trainees preparing for MRCS Part A Examination |
| Faculty: | Surgeons |
| Course fee: | £ 375.00 |



Course Programme

Day 1

SURGICAL AND APPLIED ANATOMY, AND SYSTEM SPECIFIC PATHOLOGY

| | |
|-------------|---|
| 0830 - 0840 | Registration |
| 0840 - 0850 | Introduction and format of the Exam |
| 0850 - 1030 | Brachial plexus, arm, shoulder, scapula, back and rotator cuff (includes upper limb nerve injuries, palsies and shoulder pathologies) |
| 1030 - 1110 | Cubital fossa, forearm, flexor retinaculum and hand (includes carpal tunnel syndrome, ulnar nerve palsies, hand pathologies) |

1110 - 1130 Break for refreshments

| | |
|-------------|--|
| 1130 - 1230 | Thoracic wall; Mediastinum; Heart; Lungs; Oesophagus; Diaphragm |
| 1230 - 1300 | Vascular anatomy of thorax, head and neck and thorax (includes vascular access and chest drain insertion); Vascular Pathologies of Neck and Thorax |

1300 - 1340 Lunch

| | |
|-------------|--|
| 1340 - 1420 | Transpyloric plane, anterior abdominal wall and inguinal region (includes hernia and scrotal swellings) |
| 1420 - 1440 | Abdominal anatomy; Hollow and Solid Organs (includes bowel pathologies, colon cancer and segmental bowel resections) |
| 1440 - 1530 | Pelvis and Perineum |

1530 - 1550 Break for refreshments

| | |
|-------------|--|
| 1550 - 1630 | Lumbar and lumbosacral plexus |
| 1630 - 1715 | Femoral triangle, thigh, popliteal fossa; Lower leg, ankle and foot (includes lower limb nerve injuries, palsies, compartment syndrome and ankle injuries) |
| 1715 - 1830 | Revision of Day 1 and Sample Questions |

1830 End of Day 1

Course Programme

Day 2

HEAD AND NECK ANATOMY, AUTONOMOUS NERVOUS SYSTEM, MICROBIOLOGY, CANCER PATHOLOGY, GENETICS AND STATISTICS

0830 - 1040 Skull base, Head, Scalp and Face; Surgical Pathologies of the Head and Face (includes parotid tumours)

1040 - 1100 Break for refreshments

1100 - 1230 Neck, Thyroid, Larynx, Pharynx, Tongue; Surgical Pathologies of the Neck

1230 - 1300 Autonomous Nervous System

1300 - 1345 Lunch

1345 - 1445 Essential topics in Microbiology, Tuberculosis and Necrotising Fasciitis

1445 - 1530 Statistics and its Surgical Application

1530 - 1550 Break for refreshments

1550 - 1630 Cancer pathology (Brain, Oesophagus and Lung)

1630 - 1700 Genetics and Inheritance Patterns

1700 - 1800 Revision of Days 1 and 2, and Sample Questions

1800 End of Day 2

Course Programme

Day 3

GENERAL PATHOLOGY, BENIGN AND MALIGNANT TUMOURS, PRINCIPLES OF SURGERY, AND APPLIED SURGICAL SCIENCES

0830 - 0930 Management of Trauma; ATLS Principles; Head Injury; Neurophysiology

0930 - 1000 Basic and General Pathology

1000 - 1025 Cardiorespiratory physiology

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 - 1245 Principles of Local Anaesthetics; Tourniquets; Diathermy; 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 Endocrine and Renal Physiology; Calcium Metabolism

1650 - 1815 Revision of all 3 days and Sample Questions

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

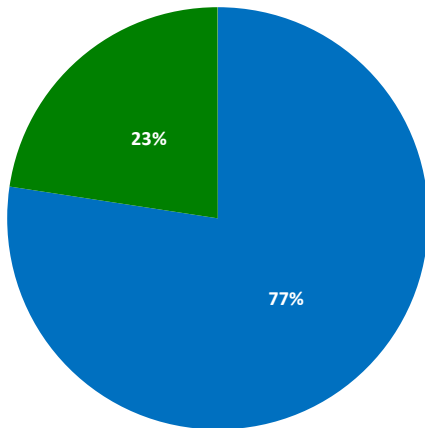
Miss Yan Mei Goh, MBChB, MRCS, PGDip Clin Ed.

PhD Research Fellow - Imperial College London

Specialist Registrar in General Surgery - Oxford Deanery

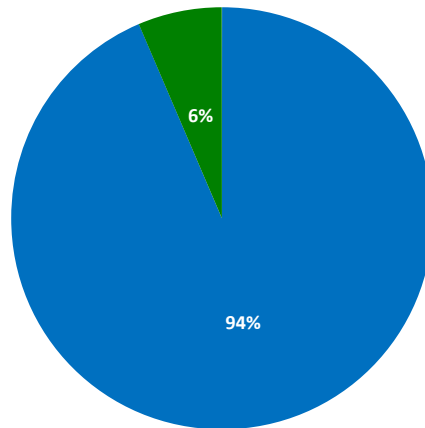
Overall Teaching Feedback

How was the content of the course?



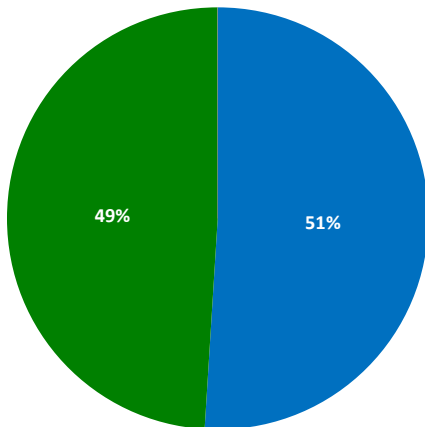
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

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



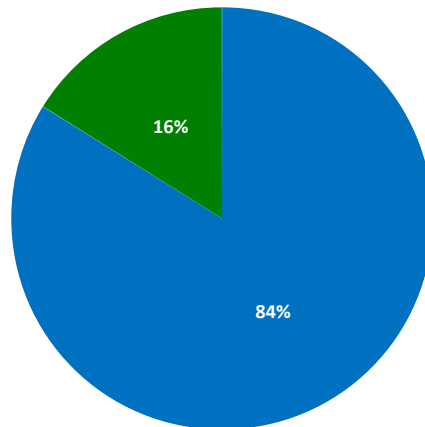
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How would you rate the general academic standard of the invited lectures?



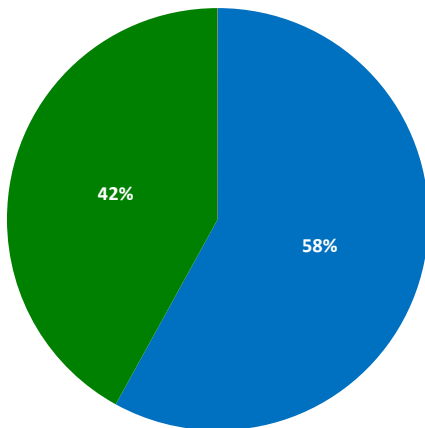
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How was the clarity of the lectures?



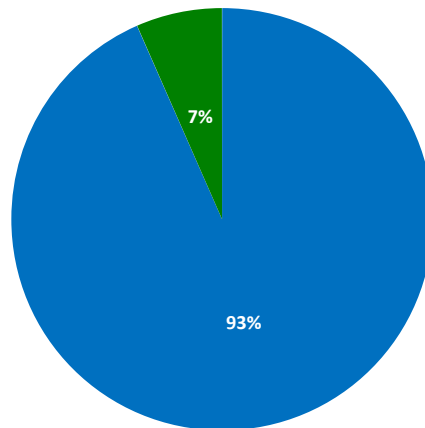
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

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



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

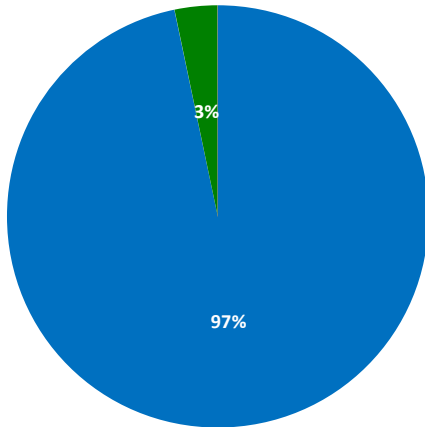
Brachial Plexus - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

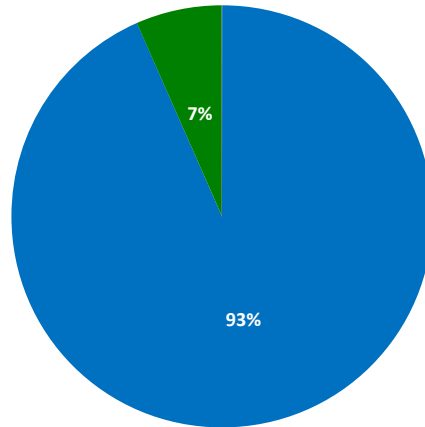
Overall Teaching Feedback

Upper Limb Anatomy - Prof S Enoch



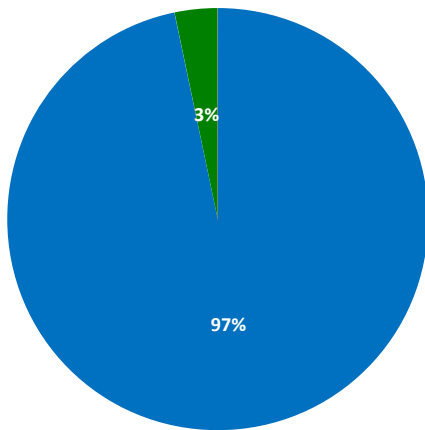
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Upper Limb Nerve Injuries - Prof S Enoch



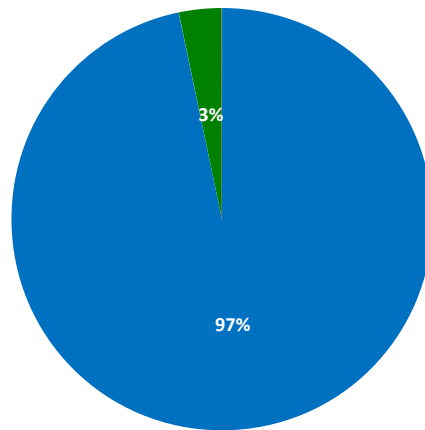
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Thorax and Thoracic Wall - Prof S Enoch



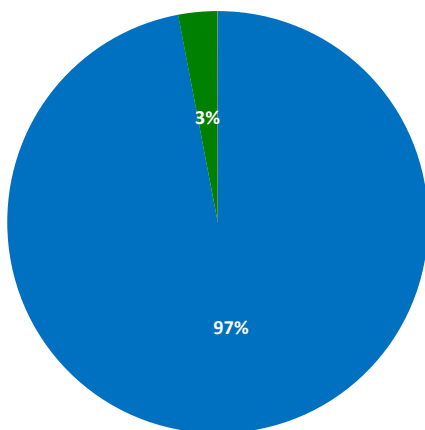
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Mediastinum - Prof S Enoch



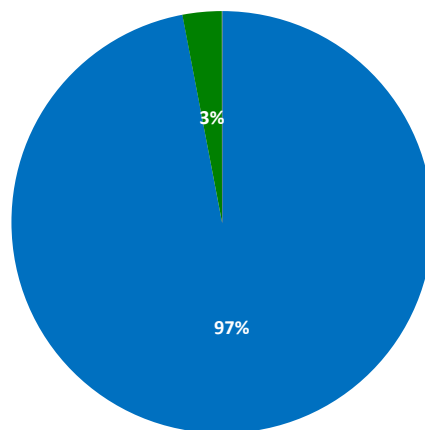
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Anterior Abdominal Wall - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

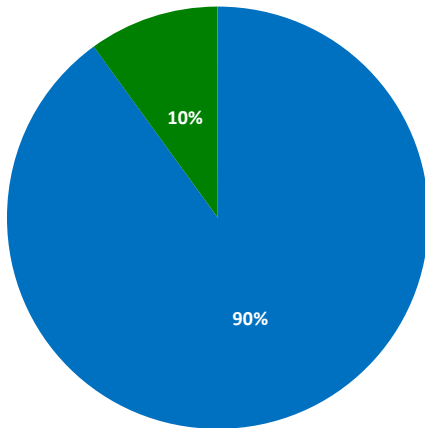
Abdomen - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

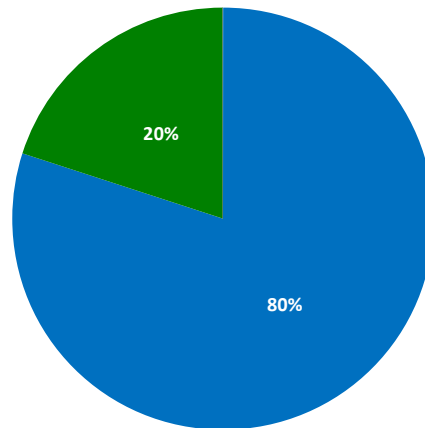
Overall Teaching Feedback

Pelvis - Prof S Enoch



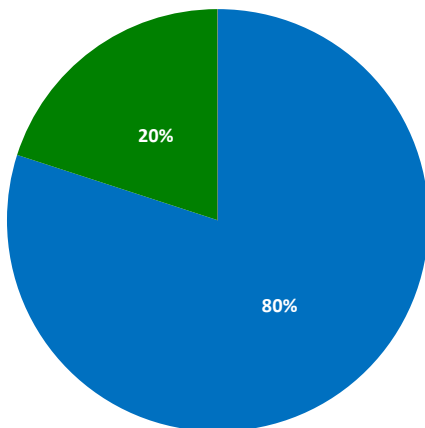
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Lower Limb Anatomy - Prof S Enoch



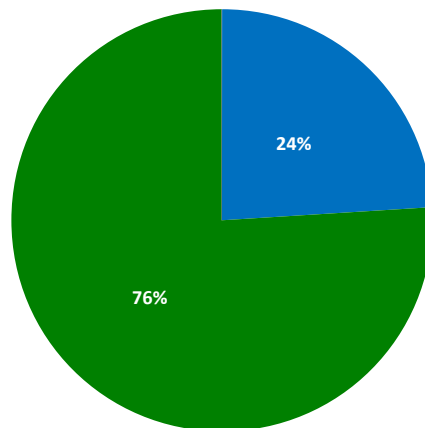
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Lower Limb Nerve Injuries - Prof S Enoch



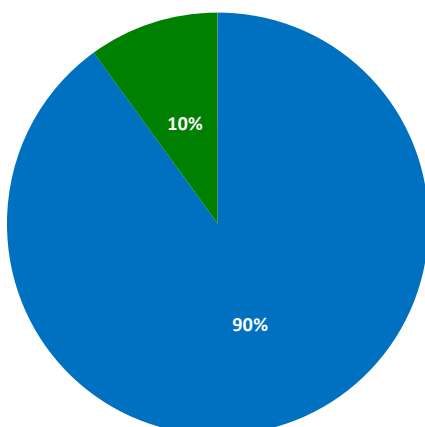
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Overview of Brain and Neuroanatomy - Dr A Watson



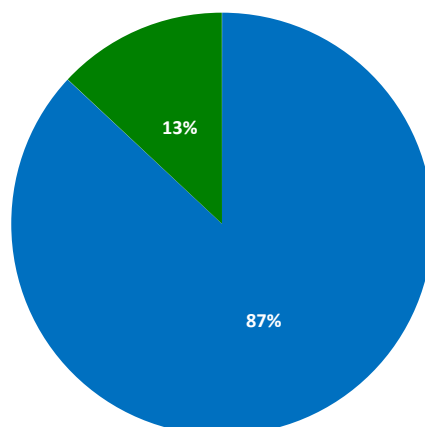
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Skull Base - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

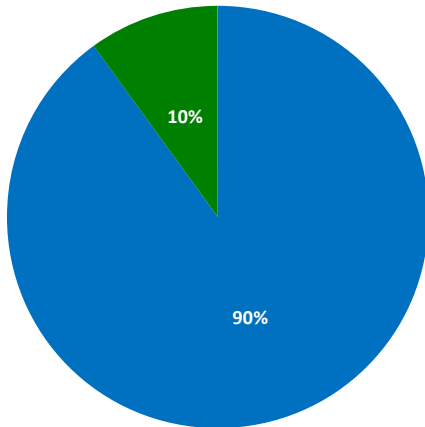
Head and Face - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

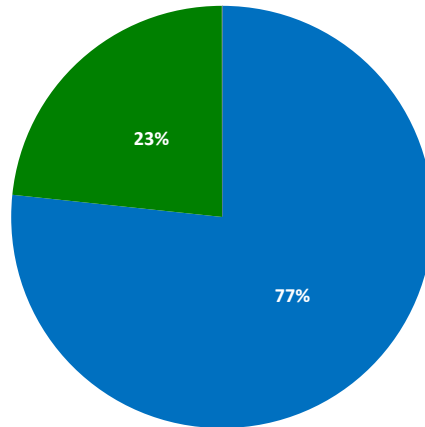
Overall Teaching Feedback

Neck - Prof S Enoch



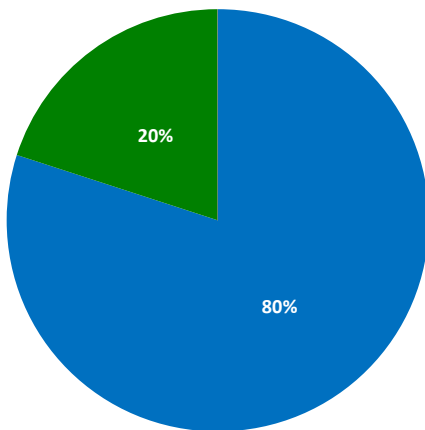
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Spine and Spinal Cord Lesions - Prof S Enoch



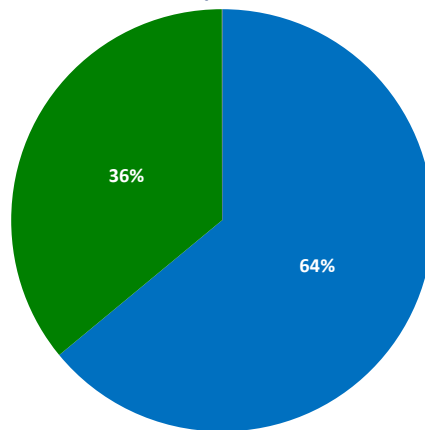
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Autonomic Nervous System - Prof S Enoch



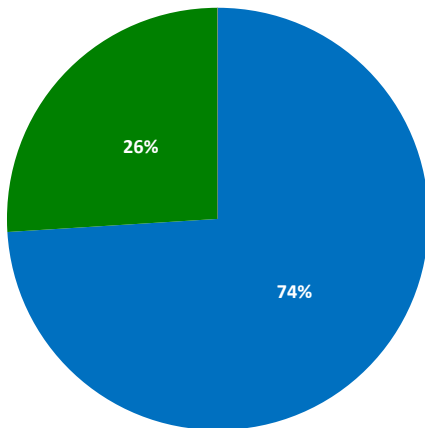
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Essential Topics in Orthopaedics - Miss C Carpenter



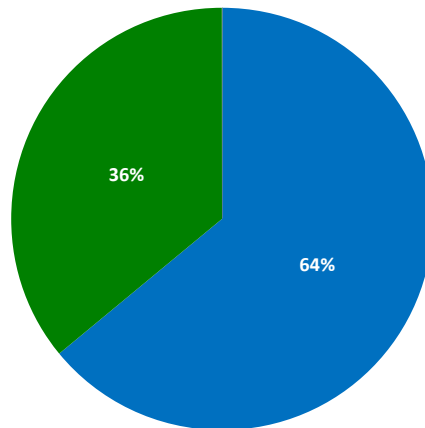
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Cutaneous Malignancies and Melanoma - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

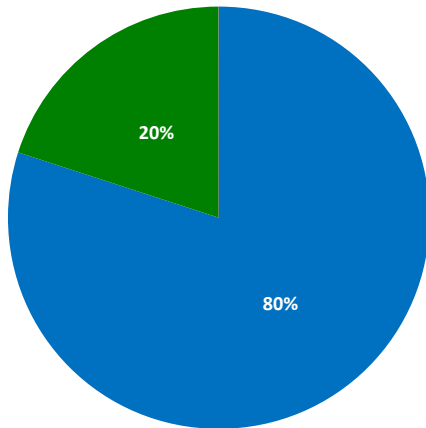
Ulcers - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

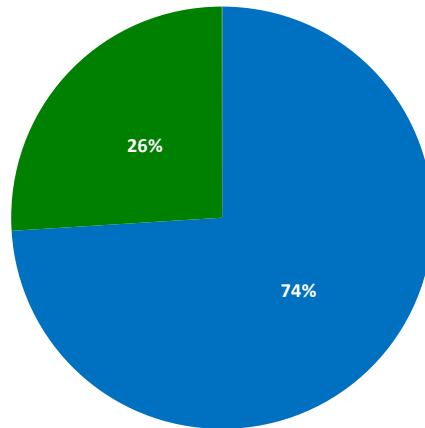
Overall Teaching Feedback

Calcium Metabolism - Prof S Enoch



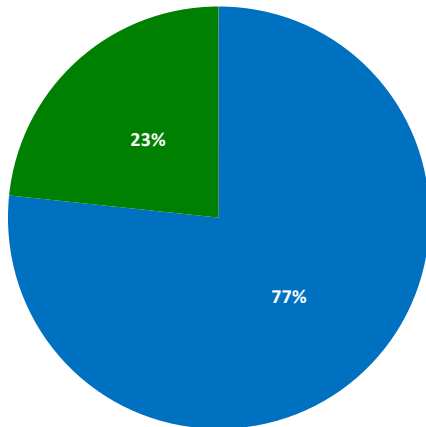
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Management of Fracture Neck of Femur - Prof S Enoch



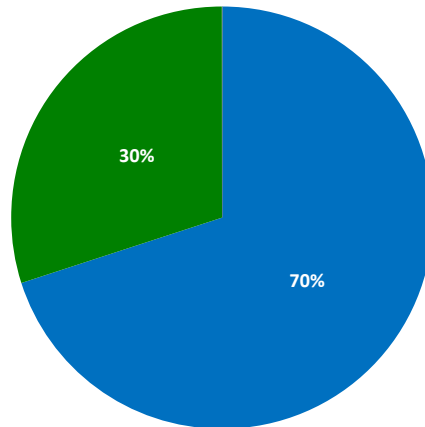
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Wound Healing and Reconstruction - Prof S Enoch



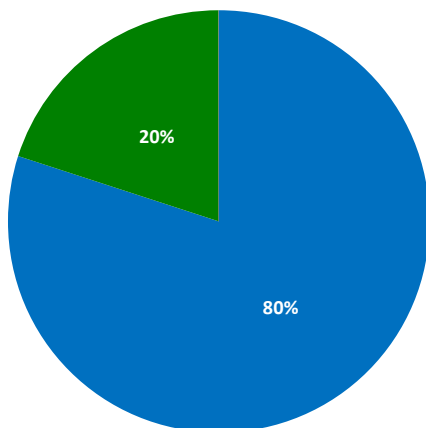
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Sutures - Prof S Enoch



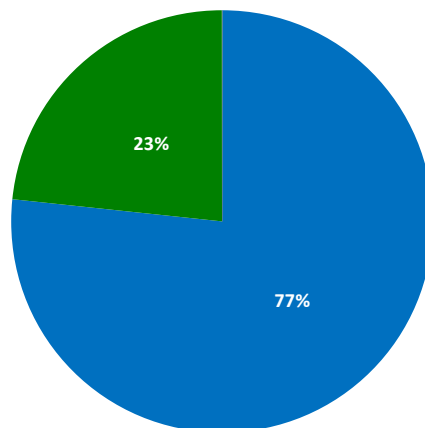
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Overview of Burns - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

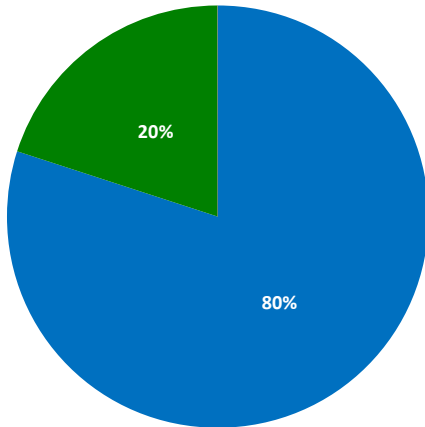
Head and Neck Embryology - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

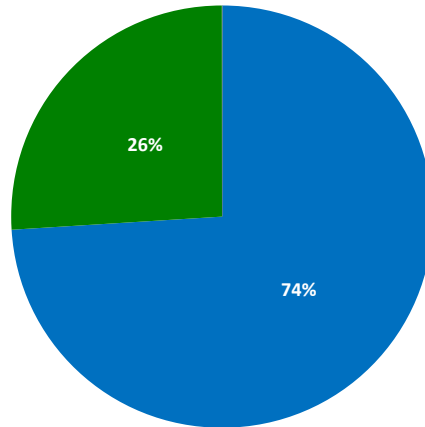
Overall Teaching Feedback

Colectomies - Prof S Enoch



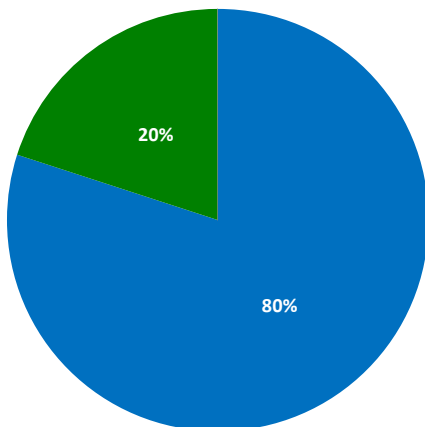
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Basics of Genetics - Prof S Enoch



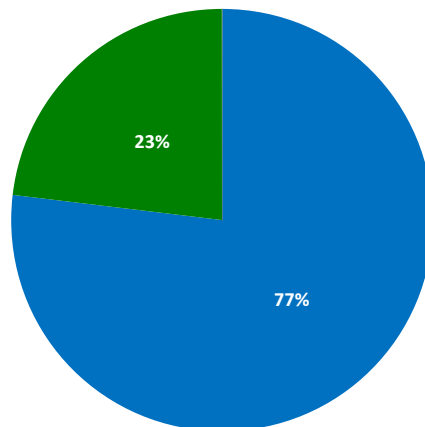
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Pre-Operative Management - Prof S Enoch



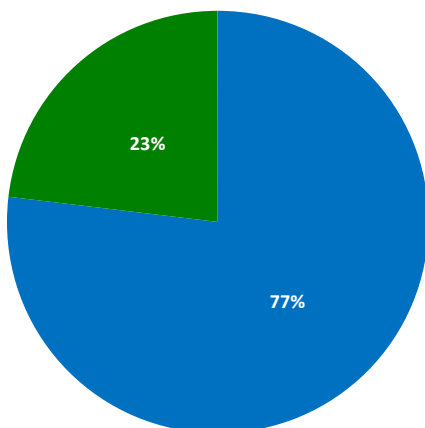
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Overview of Vascular Surgery - Mr K Conway



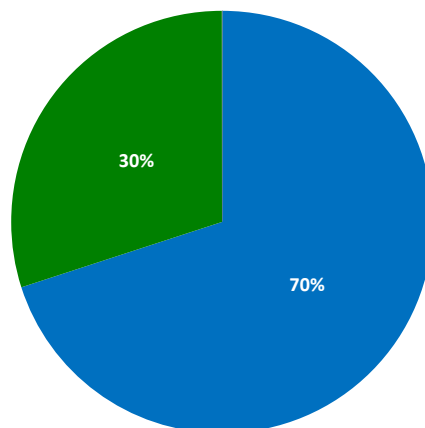
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

Basics of Statistics - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

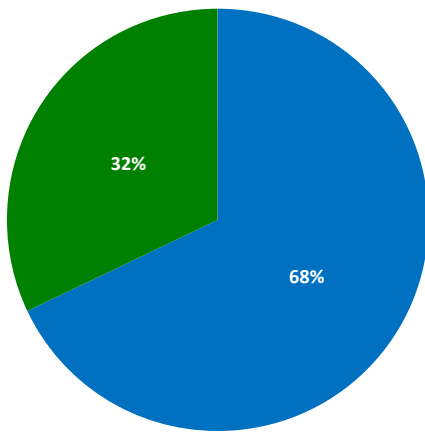
Anatomy Revision with Workbook - Prof S Enoch



■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

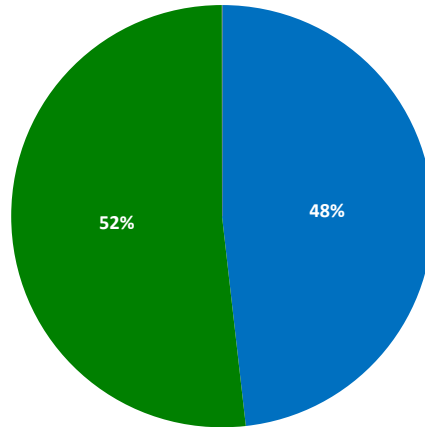
Overall Teaching Feedback

How were the facilities and venue?



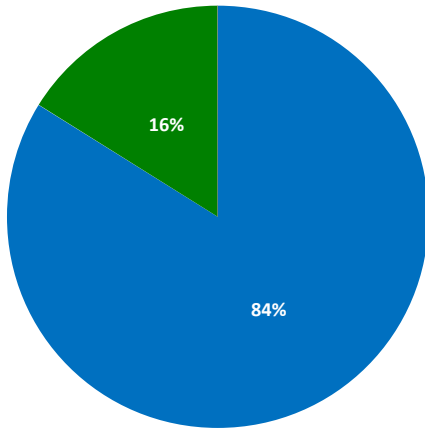
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How were the refreshments and lunch?



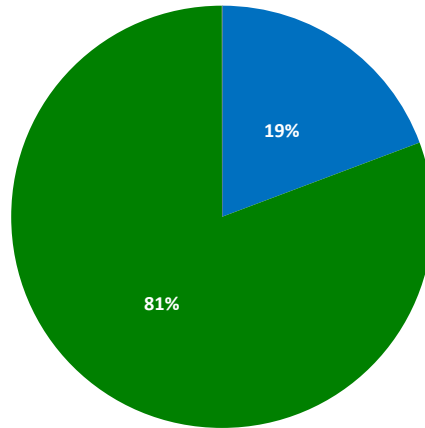
■ Excellent ■ Good ■ Neutral ■ Fair ■ Poor

How was the general friendliness of the faculty and organisers?



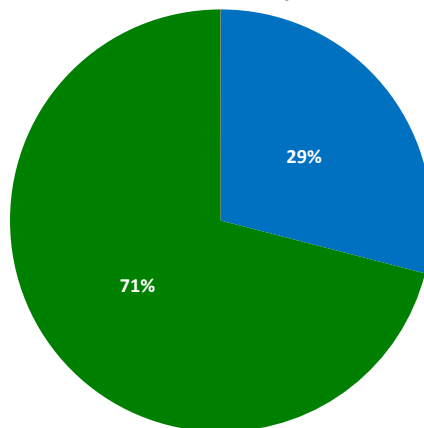
■ Very friendly ■ Friendly ■ Neutral ■ Not very friendly ■ Can't comment

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.

KJ

Hull and East Yorkshire Hospitals NHS , United Kingdom, Europe

Concise, focused, very relevant.

AT

Our Lady of Lourdes Drogheda

Good.

OO

Nottingham City Hospital, Nottingham

Excellent. Thank you very much.

AK

Maidstone and Tunbridge Wells NHS Trust , United Kingdom , Europe

Great course.

NN

SIVUH

Excellent course I wish I had attended earlier.

JA

Belfast Trust and Social Care Trust , United Kingdom, Europe

It has given me confidence as I prepare for the exam.

OE

Advanced Cardiovascular Institute Surgical Therapies/ Westshore Hospital

Very Helpful and useful. Great.

IO

Queen's Medical Centre, Nottingham

Great course.

AT

Arrowe Park Hospital, Wirral

Very good. Mr Enoch was excellent.

JH

Individual Comments

Incredible course. I really liked how we focussed on what was important to know at both part A and part B. This helped tailor my revision more efficiently. The Pathology questions were probably the weakest point of the 2 days - one of the students quite rightly asked for more of a breakdown for each question as we worked through them for them to be useful.

AC

Southampton General Hospital, Southampton

Really useful.

OB

Royal United Hospital, Bath

Overall excellent course. Well organised and very very relevant and focused for exam.

NI

University Hospitals of Leicester NHS , United Kingdom , Europe

Great teaching and revision of relevant subjects, especially Anatomy.

MK

Frimley Park Hospital, Frimley

Professional and competent.

RT

Wexford General Hospital, Ireland

I think this was very useful for me. It broke down each major topic.

MQ

Blackpool Victoria Hospital, Blackpool

Fantastic.

RK

Royal United Hospital, Bath

I felt this course was highly relevant to exams - it showed me exactly what I needed to focus on to ensure I can do the best I can as well as very good exam revision techniques!

NV

South Warwickshire NHS Foundation Trust , United Kingdom, Europe

Amazing.

AM

Bedford Hospital NHS Trust , United Kingdom, Europe

Individual Comments

Very good thank you.

RK

University Hospital Southampton NHS, United Kingdom, Europe

Excellent.

HW

Cheltenham General Hospital, Cheltenham



DOCTORS ACADEMY

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Doctors Academy is a UK-based International Non-Profit Organisation comprising of doctors, dentists and scientists that undertakes a diverse range of educational activities globally. The aim of the Academy is to disseminate information and exchange medical knowledge between professionals from diverse backgrounds working in a variety of healthcare settings. This is achieved by the provision of a number of attendance courses, publishing house, online resources and international events/ competitions.

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



publications.doctorsacademy.org

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
- DOHNS Exams

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