

Cardiff MRCS OSCE Course: Applied Surgical Sciences and Critical Care

Feedback - April 2019

Cardiff MRCS OSCE: Applied Surgical Sciences and Critical Care

In the final part of the MRCS exam, surgical trainees are expected to have a good working knowledge of general physiological principles, core knowledge of the physiology of specific systems and an understanding of their application in surgical practice.

This intensive one-day revision course provided the candidates with an overview of basic physiological principles and the physiology of the respiratory, cardiovascular, renal, endocrine, gastrointestinal, and central nervous systems.

The course was delivered using a series of interactive lectures with an OSCE focus using OSCE scenarios. All major areas as stipulated in the MRCS Part B syllabus were covered.

Course Information Course Date: 25th April 2019 Venue: School of Biosciences, Cardiff University, Cardiff Attendance: **35 Delegates** Aimed at: **Delegates looking to take** their membership to the **Royal College of Surgeons** Part B exam. Course Fee: £190.00 The Association of Surgeons in Training

www.asit.org

Surgical trainees can apply to be sponsored by ASIT to receive a bursary to attend this course.

Topics:

- General Physiological Principles
- Cardiovascular System
- Respiratory System
- Endocrine System
- Renal System
- Central Nervous System
- Gastrointestinal System
- Burns
- Management of Patients Undergoing Surgery
- Management of Trauma
- Surgical Microbiology



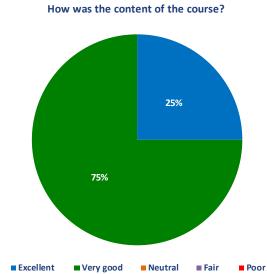
Course Programme

0815 - 0820	Registration	
MORNING SESSION		
0820 - 0830	Welcome, Introduction and Format (Prof Stuart Enoch)	
0830 - 0930	 Physiological Principles in the Management of Trauma (Prof Stuart Enoch) Long bone fractures Fracture neck of femur Pelvic fractures Polytrauma Compartment syndrome Nerve injuries 	
0930 - 1040	 Respiratory System (Dr Teresa Evans) Normal ventilatory cycle Controls of ventilation Causes and management of post-operative respiratory failure Indications for ventilatory support and weaning off ventilator Intermittent positive pressure ventilation Acute (adult) respiratory distress syndrome 	
1040 - 1100	Coffee Break	
1110 - 1140	 General Physiological Principles 1 (Dr Paul Morgan) Homeostasis, feedback loops Applied acid-base balance 	
1145 - 1215	General Physiological Principles 2 (Dr Paul Morgan) • Sepsis • Septic shock	
1220 - 1300	General Physiological Principles 3 (Dr Paul Morgan) Bleeding Coagulation/Anti-coagulation 	
1300 - 1340	Lunch Break	

Course Programme

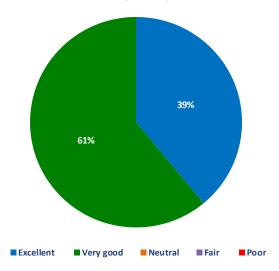
AFTERNOON SESSION

1340 - 1420	 Management of Major Burns (Prof Stuart Enoch) Assessment Pathophysiology and principles of management Inhalation burns Fluids and nutrition Indications for referral 	
1425 - 1445	Rhabdomyolysis (Prof Stuart Enoch)	
1445 - 1515	General Physiological Principles 4 (Dr Paul Morgan) Resuscitation Temperature regulation Hypothermia 	
1515 - 1545	 General Physiological Principles 5 (Dr Paul Morgan) Principles of epidural anaesthesia/assessment Pain pathways Pre-op assessment 	
1545 - 1605	Coffee Break	
1605 - 1635	Central Nervous System (Dr Paul Morgan) • Cerebral autoregulation • Causes and management of raised intra-cranial pressure • Management of head injury	
1635 - 1725	 Spinal Cord Injuries and Cord Syndromes (Prof Stuart Enoch) Vertebral fractures Cord compression; conus medullaris and cauda equina syndrome Spinal and neurogenic shock Autonomic nervous system and bladder dysfunction Spinal cord lesions and vascular conditions 	
1730 - 1800	 Infection and Surgical Microbiology (Prof Stuart Enoch) Tuberculosis Necrotising fasciitis 	
1800 - 1830	Calcium Metabolism and Its Role in Surgery (Prof Stuart Enoch)	
1830 - 1915	OSCE Topics and Scenarios in Surgical Critical Care (Prof Stuart Enor	:h)
1915	END OF COURSE!	
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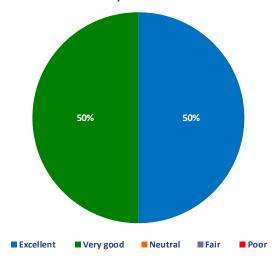




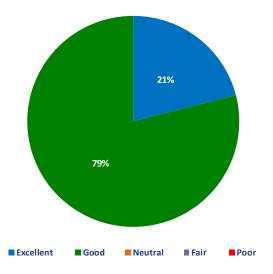




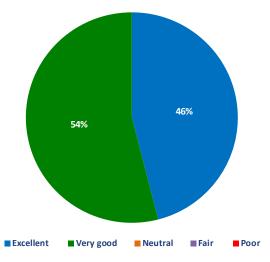
How do you rate the relevance of the course to your exam?



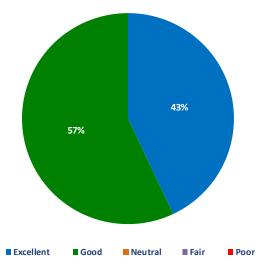




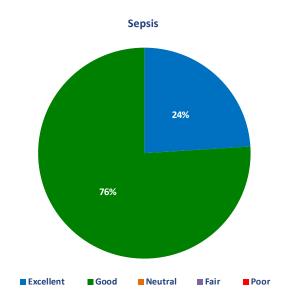
How would you rate the general academic standard of the lectures?

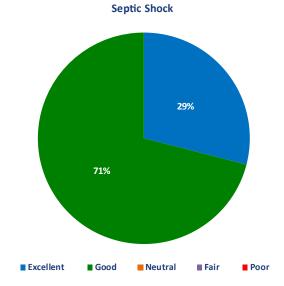


Applied Acid-Base Balance

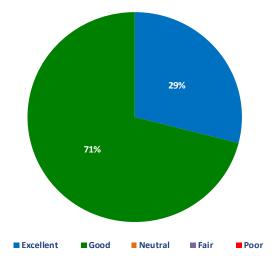




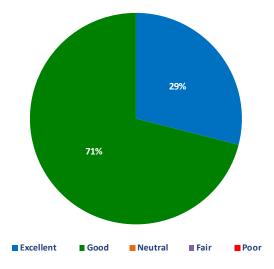


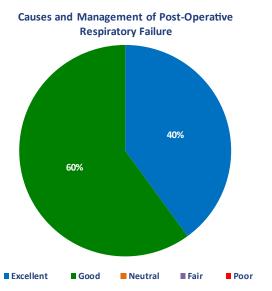




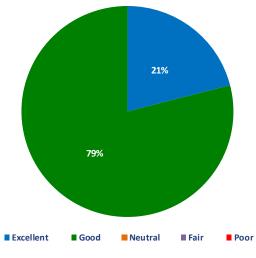


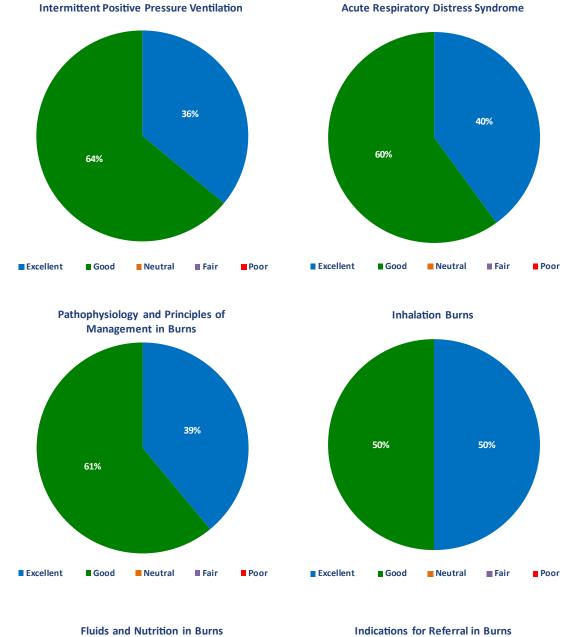








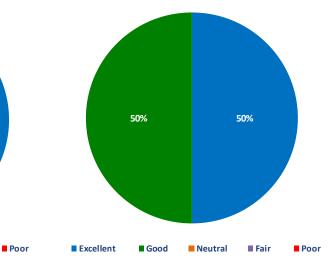






Overall Teaching Feedback

Acute Respiratory Distress Syndrome



50%

🔳 Fair

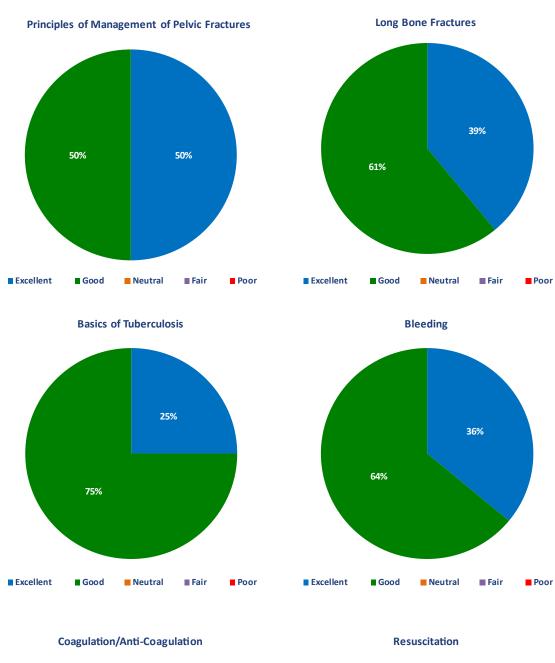
50%

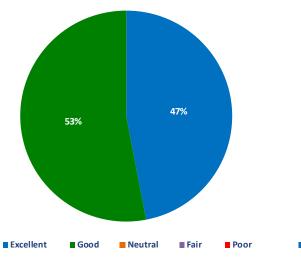
Good

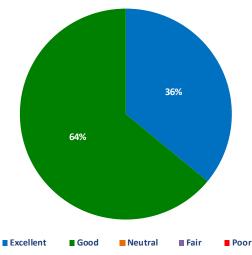
Neutral

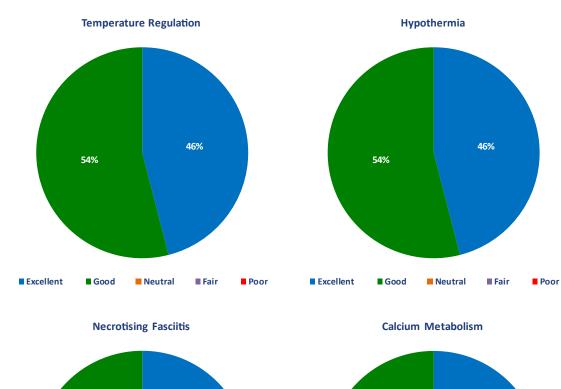
Excellent



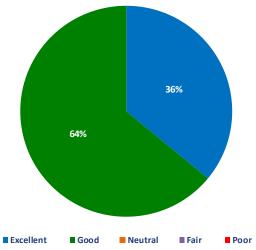


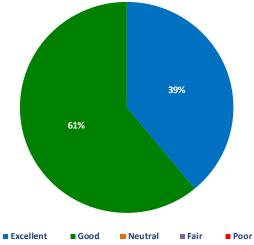


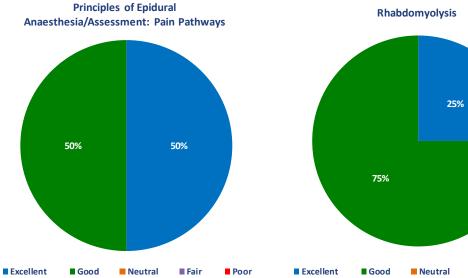




Overall Teaching Feedback





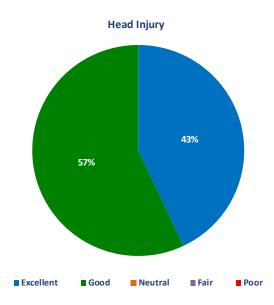


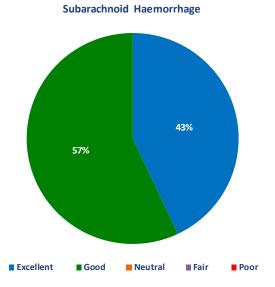
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Fair

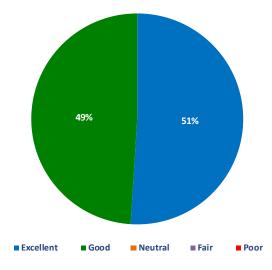
Poor

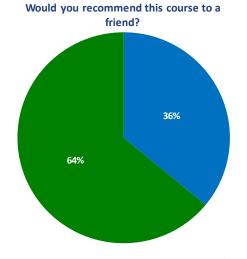




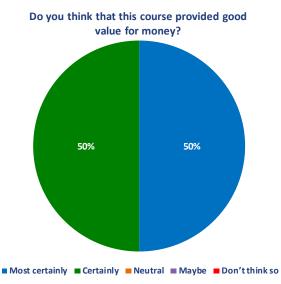


Spinal Cord Lesions

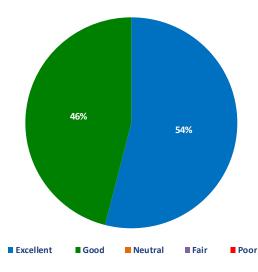




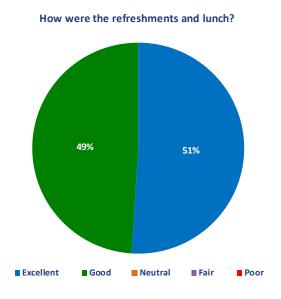
■ Most certainly ■ Certainly ■ Neutral ■ Maybe ■ Don't think so

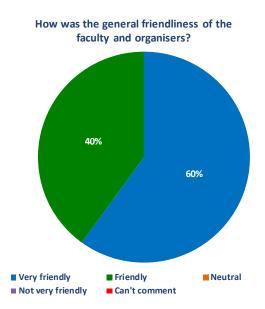


How were the facilities and venue?









Individual Comments

It was very good. It provided a really useful overview and a way to consolidate knowledge, whilst identifying areas for further learning in the run up to the exam.

AS University Hospital of North Staffordshire NHS Trust, United Kingdom It was excellent. I felt that it was very useful when preparing for part B. SK Chesterfield Royal Hospital NHS Foundation Trust, United Kingdom Excellent. AS Sherwood Forest Hospitals NHS Foundation Trust, United Kingdom Excellent. GI Rashid Hospital, Dubai Health Authority, UAE It was great. TL Musgrove Park Hospital, Taunton, United Kingdom Excellent. AH Royal London Hospital, London, United Kingdom It was great and very instructive. MH Macclesfield District General Hospital, Macclesfield, United Kingdom It was very good, and I enjoyed it. It was a very intense but useful course. I will recommend it. RS John Radcliffe Hospital, Oxford, United Kingdom Overall, it was a very good course. The anatomy component was excellent. GN Royal Liverpool University Hospital, Liverpool, United Kingdom Excellent.

> TW Airedale NHS Foundation Trust, United Kingdom

Individual Comments

It was a very useful and up-to-date course.

MB Jinnah Hospital, Lahore, Pakistan

I was very impressed.

EO Bon Secours Hospital, Cork, Ireland

It was very helpful. I can now concentrate on the topics I am weak at.

SB Columbia Asia Hospital

The critical skills day was good.

VM Royal Bolton Hospital, Bolton, United Kingdom

It was very organised with lots of material covered. This was a great opportunity.

EM

Morriston Hospital, Swansea, United Kingdom

Excellent teamwork by Professor Enoch, Rebecca and Janine.

JA

Manchester Royal Infirmary, Manchester, United Kingdom

Excellent.

TY Royal Glamorgan Hospital, Llantrisant, United Kingdom

Excellent.

NB

Diana Princess of Wales Hospital, Grimsby, United Kingdom

It was very useful and essential.

ZA Portsmouth Hospitals NHS Trust, United Kingdom

Excellent.

RA Royal Hospitals, Belfast, United Kingdom

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Individual Comments

This was an outstanding course, with professional standards and knowledgeable faculty.

KV Queen Victoria Hospital, East Grinstead, United Kingdom

Testimonials

I just wanted to say that I was successful in the MRCS Part B exam written in May. I attended the full five-days of the course which I found very useful. The detail on each day of the course ensured that the most frequently tested areas were well covered.

The exposure to live cadavers and specimens was even better to both teach and reinforce already acquired knowledge. Repetition on the second day of anatomy and the use of mock stations with feedback was a really good idea. The final day in a clinical setting with simulators was helpful to mirror the reality of the exam too.

The course was definitely worth every penny and second. I also found that the faculty were very knowledgeable and resourceful. Well done Doctors Academy. Definitely six stars!

EO Bon Secours Hospital, Cork, Ireland

The Doctors Academy course provided great preparation. I did find the anatomy stations slightly easier than the Cardiff course, as Professor Enoch had said at the time, but I did continue to work hard post course.

I was very happy that I went to the course and will recommend it to others.

KV Victoria Hospital, East Grinstead, United Kingdom

The course at Cardiff was excellent, especially for anatomy preparation. The small teaching groups were very good, and the faculty were helpful. Thank you!

MM

Wythenshawe Hospital, Manchester, United Kingdom

I actually performed much better than expected, and I really think that it was down to the course I attended that you organised. There were a number of courses available as preparation for MRCS Part B, and in all honesty, I chose this one due to the convenience of the dates. However, after listening to feedback from friends who attended other courses and my own experience, I would make this choice again. I have already recommended this course to people I know who are preparing for the exam. This course made me feel so much more prepared and confident for the exam; it directed me to target my studies and know what to expect. Thank you very much. I am very grateful to all the faculty involved in putting on this course as it was extremely useful. I attended the whole course and would recommend it that way to others.

RS John Radcliffe Hospital, Oxford, United Kingdom

I was successful in the examination. Looking at the breakdown of my performance, I was well above the average and the pass mark. I have to thank Professor Enoch and the team for their help and support. This has been entirely made possible because of all the hard work Professor Enoch has put into organising this course and helping us to prepare for the exam.

SB The Royal Wolverhampton NHS Trust, United Kingdom



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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
- International Academic and Research Conference
- World University Anatomy Challenge

Publications





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World Journal of Medical Education & Research



Peer-reviewed academic journal with ISSN.

No fee to view, read and download articles No subscription charges No submission fees No manuscript processing fee No publishing fee No cost to read, write or publish!

wjmer.co.uk

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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.

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- Dental Students

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