Clinical Anatomy as Applied to Trauma & Emergency Medicine
&
Surgically Applied Anatomy of Important Operative Procedures

Feedback - June 2015
Clinical Anatomy as Applied to Trauma & Emergency Medicine

This event covered the anatomical basis in the assessment and management of patients involved in a variety of major and minor trauma. The session was structured in the form of focus-group workshops and individual demonstrations complemented by essential theoretical aspects pertaining to trauma. Some examples of the topics covered were: Stab/gunshot wounds to the neck/thorax/abdomen, head and facial injuries, nerve injuries (including brachial plexus), tendon injuries (flexor and extensor tendons of the hand), compartment syndrome, chest drain and central line insertion and emergency cricothyroidotomy.

Surgically Applied Anatomy of Important Operative Procedures

Taught by surgeons, this highly interactive event featured focus-group workshops & individual demonstrations complemented by essential theoretical information on surgical anatomy. The workshops identified important surface anatomy landmarks and the underlying structures on live human models. Attendees were taught the anatomy encountered in common operations, the placement of incisions, the essential principles, and importantly, structures that need to be identified/preserved when undertaking these procedures.

**Course Information**

**Clinical Anatomy as Applied to Trauma & Emergency Medicine**

- **Course date:** 6th June 2015
- **Venue:** School of Biosciences, Cardiff University
- **Attendance:** 41 Delegates
- **Aimed at:** Medical Students Foundation Doctors
- **Course fee:** £13.50 Doctors £8.50 Students

**Surgically Applied Anatomy of Important Operative Procedures**

- **Course date:** 6th June 2015
- **Venue:** School of Biosciences, Cardiff University
- **Attendance:** 23 Delegates
- **Aimed at:** Medical Students Foundation Doctors
- **Course fee:** £13.50 Doctors £8.50 Students

Both courses are half-day programmes and are taught on the same day to allow delegates to maximise their learning if desired.
## Course Programme - Clinical Anatomy as Applied to Trauma & Emergency Medicine

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>0900 - 0915</td>
<td>Registration</td>
</tr>
<tr>
<td>0915 - 0930</td>
<td>Welcome &amp; Introduction</td>
</tr>
<tr>
<td>0930 - 1015</td>
<td>Rotation 1</td>
</tr>
<tr>
<td>1015 - 1100</td>
<td>Rotation 2</td>
</tr>
<tr>
<td>1100 - 1115</td>
<td>Break for Refreshments</td>
</tr>
<tr>
<td>1115 - 1200</td>
<td>Rotation 3</td>
</tr>
<tr>
<td>1200 - 1245</td>
<td>Rotation 4</td>
</tr>
<tr>
<td>1245 - 1300</td>
<td>Summary, Feedback &amp; End of Closure</td>
</tr>
<tr>
<td>1345 - 1400</td>
<td>Registration</td>
</tr>
<tr>
<td>1400 - 1415</td>
<td>Welcome &amp; Introduction</td>
</tr>
<tr>
<td>1415 - 1455</td>
<td>Rotation 1</td>
</tr>
<tr>
<td>1455 - 1535</td>
<td>Rotation 2</td>
</tr>
<tr>
<td>1535 - 1550</td>
<td>Break for Refreshments</td>
</tr>
<tr>
<td>1550 - 1630</td>
<td>Rotation 3</td>
</tr>
<tr>
<td>1630 - 1710</td>
<td>Rotation 4</td>
</tr>
<tr>
<td>1710 - 1725</td>
<td>Summary, Feedback &amp; Closure</td>
</tr>
</tbody>
</table>

*Rotations 1 - 4*  
Stab / Gunshot wounds / Blast injuries / Soft tissue injuries to:  
- Head & Neck  
- Thorax & Abdomen  
- Upper Limb & Back  
- Lower Limb

## Course Programme - Applied Anatomy of Important Operative Procedures

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1345 - 1400</td>
<td>Registration</td>
</tr>
<tr>
<td>1400 - 1415</td>
<td>Welcome &amp; Introduction</td>
</tr>
<tr>
<td>1415 - 1455</td>
<td>Rotation 1</td>
</tr>
<tr>
<td>1455 - 1535</td>
<td>Rotation 2</td>
</tr>
<tr>
<td>1535 - 1550</td>
<td>Break for Refreshments</td>
</tr>
<tr>
<td>1550 - 1630</td>
<td>Rotation 3</td>
</tr>
<tr>
<td>1630 - 1710</td>
<td>Rotation 4</td>
</tr>
<tr>
<td>1710 - 1725</td>
<td>Summary, Feedback &amp; Closure</td>
</tr>
</tbody>
</table>

*Rotations 1 - 4*  
Anatomy of common elective/acute surgical operations in:  
- Plastic Surgery and Vascular Surgery  
- Orthopaedic Surgery/Cardiothoracic Surgery  
- Head and Neck/Neurosurgery  
- General & Colorectal Surgery and Urology
Overall Course Feedback for Clinical Anatomy as Applied to Trauma & Emergency Medicine:

How useful were the small group demonstrations and discussions?
- Very useful: 58%
- Useful: 42%

How would you rate the general academic standard of the tutors?
- Excellent: 32%
- Good: 68%

How would you rate the general friendliness of the faculty?
- Very friendly: 39%
- Friendly: 55%
- Neutral: 3%

Did the event achieve your objectives?
- Most certainly: 48%
- Certainly: 42%
- Neutral: 10%

Did you gain more surgical anatomy knowledge and became more confident in surface anatomy?
- Most certainly: 29%
- Certainly: 61%
- Neutral: 10%

Upper limb
- Excellent: 59%
- Good: 19%
- Neutral: 11%
Overall Course Feedback for Clinical Anatomy as Applied to Trauma & Emergency Medicine:

Lower limb

- Excellent: 8%
- Good: 31%
- Neutral: 53%
- Fair: 8%
- Poor: 8%

Head and Neck

- Excellent: 11%
- Good: 39%
- Neutral: 47%
- Fair: 3%
- Poor: 3%

Thorax

- Excellent: 17%
- Good: 22%
- Neutral: 52%
- Fair: 6%
- Poor: 3%

Abdomen

- Excellent: 19%
- Good: 19%
- Neutral: 52%
- Fair: 6%
- Poor: 3%

Would you recommend this course to a friend?

- Most certainly: 19%
- Certainly: 59%
- Probably: 19%
- Maybe: 3%

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

- Most certainly: 28%
- Certainly: 63%
- Probably: 3%
- Maybe: 6%
Overall Course Feedback for Surgically Applied Anatomy of Important Operative Procedures:

How useful were the small group demonstrations and discussions?

- Very useful: 42%
- Useful: 53%
- Neutral: 5%
- Limited Usefulness: 0%
- Useless: 0%

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

- Excellent: 37%
- Good: 63%
- Neutral: 0%
- Fair: 0%
- Poor: 0%

How would you rate the general friendliness of the faculty?

- Very friendly: 22%
- Friendly: 67%
- Neutral: 10%
- Indifferent: 0%
- Unfriendly: 0%

Did the event achieve your objectives?

- Most certainly: 58%
- Certainly: 37%
- Neutral: 5%
- Probably not: 0%
- Certainly Not: 0%

Did you gain more surgical anatomy knowledge and became more confident in surface anatomy?

- Most certainly: 58%
- Certainly: 37%
- Neutral: 5%
- Probably not: 0%
- Certainly Not: 0%

Upper limb

- Excellent: 48%
- Good: 26%
- Neutral: 26%
- Fair: 0%
- Poor: 0%
Overall Course Feedback for Surgically Applied Anatomy of Important Operative Procedures:

**Lower limb**
- Excellent: 19%
- Good: 12%
- Neutral: 69%

**Vascular anatomy**
- Excellent: 7%
- Good: 4%
- Neutral: 22%

**Neck**
- Excellent: 7%
- Good: 15%
- Neutral: 22%

**Thorax**
- Excellent: 26%
- Good: 18%
- Neutral: 56%

**Abdomen**
- Excellent: 6%
- Good: 13%
- Neutral: 35%

**Would you recommend this course to a friend?**
- Most certainly: 40%
- Certainly: 30%
- Probably: 30%
- Will not recommend: 7%
Overall Course Feedback for Surgically Applied Anatomy of Important Operative Procedures:

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

- **Most certainly**: 41%
- **Certainly**: 37%
- **Probably**: 11%
- **Maybe**: 7%
- **Not Worth**: 4%

www.doctorsacademy.org
Individual Comments

It would be helpful to work in small groups in different side rooms as opposed to one large.

Dr Grace McKay  
*Cardiff University, United Kingdom*

The course was excellent and timed perfectly for our exam revision. Whilst there were areas that we had not yet covered, the teaching was pitched appropriately.

Ms Amanda Dickson  
*Swansea University, United Kingdom*

It was a great course. Excellent facilitators and the course covered a more than impressive scope of anatomical knowledge.

Ms Azel Botes  
*NA*

I think it depends on how you learn, but it was a good revision of learning we had done and a good kick-start to exam revision.

Ms Emily Simon Thomas  
*Cardiff University, United Kingdom*

It was relatively useful day. Good to refresh some basic anatomy with clinical relevance.

Mr Joshua Kovoor  
*Cardiff University, United Kingdom*

Well organised and definitely worth the time.

Mr Sameera Hettipathirannahelage  
*Cardiff University, United Kingdom*

The course was very interesting and well taught. I thought that it was worth my time and was happy to have a chance to revise surface anatomy.

Ms Emily Baker  
*Cardiff University, United Kingdom*

The morning was fantastic. Brilliant teachers.

Ms Alison Hare  
*Cardiff University, United Kingdom*

Teachers were engaged and very helpful - the event was academic but not pressurised and for 8.50 I could not believe the amount of information I was taught - and retained! Drawing on people is clearly the way forward.

Ms Amy Owen  
*Swansea University, United Kingdom*
Individual Comments

Very relaxed atmosphere. Well-pitched learning goals for each of the year groups - I being in the middle group, I feel I reviewed the core knowledge I needed, which was asked of the 1st-years; the 2nd-year questions made me think about and apply the knowledge I already had; and the 3rd+ year questions gave a good glimpse of guidelines and procedures available.

Mr Toby Jackman
Cardiff University, United Kingdom

Yes, I enjoyed the course.

Ms Amy Nixon
Swansea University, United Kingdom

The tutors were very approachable and knowledgeable. The content was perhaps a bit too hard for 1st/2nd year med students, although the splitting of years into groups was a good idea.

Ms Charlotte Maden
Cardiff University, United Kingdom

Cheap ad easily accessible across a range of topics.

Dr Timothy Graham
Bronglais General Hospital, Aberystwyth, United Kingdom

Excellent, no time wasting, succinct revision.

Ms Emily Williams
Cardiff University, United Kingdom

Very useful, refreshed anatomy any even learnt some new. Great way to learn anatomy.

Ffyon Davies
Cardiff University, United Kingdom

Really useful well run course, thank you!

Ms Iona Taylor
Cardiff University, United Kingdom

The course was well worth it and an enjoyable experience that further advanced my knowledge, something I will take through with me with my career as a doctor.

Mr Charles Hayes
Cardiff University, United Kingdom

Great teaching, practicing surface anatomy on each other in particular in a relaxed environment was very helpful. Faculty were very supportive and happy to answer any questions we had.

Mr Yousef Ibrahim
Cardiff University, United Kingdom
Individual Comments

Excellent programme, thank you.

Mr Feras Sharouf
Cardiff University, United Kingdom

Well organised, very friendly staff.

Ms Lamya Alkadoushi
Cardiff University, United Kingdom

Very fun. Made me so much more confident with anatomy as this is something I feel is brushed over a little bit in med school. Good time allocated for each session. Very interactive. Loved the drawing on each other, it help with visualisation and made it so much easier to learn. Really all rounded, both informative and fun. Loved the self defense taster too.

Ms Imogen John
Cardiff University, United Kingdom

It was worth my time and the material was brilliantly delivered.

Mr Asfand Baig Mirza
University of Warwick, United Kingdom

I found the course hugely valuable; it was an excellent opportunity to revise and reinforce key anatomy concepts and clarify some points that I was previously confused about. I felt that the structure of the day was well planned and was glad to be able to relate the morning teaching points to the operative procedures in the afternoon.

Ms Lara E. McMillan
Cardiff University, United Kingdom

Very well organised, a lot of the questions asked by demonstrators was asked from the slides, with the answers on the slides. This course was extremely useful, however I think a two day event is more appropriate.

Mr Kit Lam
Cardiff University, United Kingdom

Good overall.

Dr Abdullah Alqallaf
University Hospital of Wales, Cardiff, United Kingdom

Would definitely recommend the course, excellent teaching in a friendly environment, and very relevant for any medical students or junior doctors interested in surgery/emergency medicine, or who want to improve their anatomy knowledge.

Ms Daniah Thomas
Cardiff University, United Kingdom
Individual Comments

Was quite hard for 1st years but I learned a lot.

Ms Tara Wakeling
Cardiff University, United Kingdom

Excellent day - thoroughly enjoyed. Very well organised, the teaching was of a very high standard, the presentations were very informative (organised in a very sensible order) and the course was very relevant to me as a medical student (forgotten most of my anatomy). The course was definitely worth my time - would definitely attend a similar session in the future/ recommend to others. The best thing was the relaxed nature of the session. Able to learn in a calm surrounding.

Ms Llywela Davies
Cardiff University, United Kingdom

Well organised. A little advanced for year 1 medics.

Ms Emily Birkin
NA

Very useful and interesting. I learnt a lot in a short time! Very friendly team members.

Ms Hager Mahmoud
Cardiff University, United Kingdom, UK

All of those involved with running the course were extremely friendly and helpful. The relaxed environment was beneficial to learning. The course was relevant to my studies as I start year 4.

Ms Frances Hill
Cardiff University, United Kingdom, UK

I felt the faculty were generally very knowledgeable and really tried to make things more clinically relevant which I found useful.

Dr Zoe Seymour
NA

The overall impression about the organisation, teaching and presentation was excellent. The whole session was of excellent quality with very precise, informative and effective teaching sessions. The teaching and presentations were great and very well delivered, straight to the point and very relevant to medical school. It was great that this event was pitched at the right level for Final year/ Clinical Medical Students who have done a surgical clinical placement. Sessions were straight to the point with salient and only important points covered in a broad spectrum of topics in such a short time. All the tutors and facilitators were very friendly, helpful and happy to teach which made the whole event very enjoyable and worth the effort, time and money. I thought surface anatomy was excellent, clinical anatomy that was surgically relevant was very excellently covered, as well as going through the essential knowledge in operative procedures in surgery, which I found very useful in consolidating what I have seen and learnt on placements.

Mr Evan Sun
Cardiff University, United Kingdom, UK
Individual Comments

Excellent.

Mr Gurvindr Singh Harbhajan Singh
Cardiff University, United Kingdom, UK

Great teaching, practicing surface anatomy on each other in particular in a relaxed environment was very helpful. Faculty were very supportive and happy to answer any questions we had.

Mr Yousef Ibrahim
Cardiff University, United Kingdom, UK

Excellent programme, thank you.

Mr Feras Sharouf
Cardiff University, United Kingdom, UK

Well organised, very friendly staff.

Ms Lamya Alkadoushi
NA

Very fun. Made me so much more confident with anatomy as this is something I feel is brushed over a little bit in med school. Good time allocated for each session. Very interactive. Loved the drawing on each other, it helped with visualisation and made it so much easier to learn. Probably the most useful course I've ever attended. Really all rounded, both informative and fun. Loved the self defense taster too.

Ms Imogen John
Cardiff University, United Kingdom, UK

It was worth my time and the material was brilliantly delivered.

Mr Asfand Baig Mirza
University of Warwick, United Kingdom, UK

I found the course hugely valuable; it was an excellent opportunity to revise and reinforce key anatomy concepts and clarify some points that I was previously confused about. I felt that the structure of the day was well planned and was glad to be able to relate the morning teaching points to the operative procedures in the afternoon.

Ms Lara E. McMillan
Cardiff University, United Kingdom, UK

Very well organised, a lot of the questions asked by demonstrators was asked from the slides, with the answers on the slides. This course was extremely useful, however I think a two day event is more appropriate.

Mr Kit Lam
Cardiff University, United Kingdom, UK
Individual Comments

Good overall.

Dr Abdullah Alqallaf
University Hospital of Wales, Cardiff, UK

Would definitely recommend the course, excellent teaching in a friendly environment, and very relevant for any medical students or junior doctors interested in surgery/emergency medicine, or who want to improve their anatomy knowledge.

Ms Daniah Thomas
Cardiff University, United Kingdom, UK

Was quite hard for 1st years but I learned a lot.

Miss Tara Wakeling
Cardiff University, United Kingdom, UK

Excellent day - thoroughly enjoyed. Very well organised, the teaching was of a very high standard, the presentations were very informative (organised in a very sensible order) and the course was very relevant to me as a medical student (forgotten most of my anatomy). The course was definitely worth my time - would definitely attend a similar session in the future/ recommend to others. The best thing was the relaxed nature of the session. Able to learn in a calm surrounding.

Ms Llywela Davies
Cardiff University, United Kingdom, UK
Doctors Academy is an international non-profit organisation that comprises of doctors, dentists and scientists that undertake 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 that work in a variety of healthcare settings to help improve medical education globally.

Courses (a selection):

- MRCS Part A
- MRCS Part B OSCE
- DOHNS: Intensive Revision & OSCE
- Structured Introduction to Surgical Skills
- Future Surgeons: Key Skills (RCSEd delivered)
- Intercollegiate Basic Surgical Skills (RCSEd delivered)
- MRCP PACES Part 2
- MCEM Part A
- FRCS (General Surgery) Exit Exam
- Intensive Surgical Anatomy Revision
- Training the Clinical Anatomy Trainer - Level 1
- Training the Clinical Anatomy Trainer - Level 2
- Surgical Anatomy of Important Operative Procedures
- Surgical Revision Course for Final Year Medical Students
- Medical Revision Course for Final Year Medical Students
- Clinical Anatomy as Applied to Trauma and Emergency Medicine
- Cadaveric Ultrasound-guided Musculoskeletal Intervention Course
- Ultrasound-Assisted Botulinum Toxin Injection for Neuromuscular Disorders in Limbs
- Live Advanced Laparoscopic Colorectal Course

Key Events:

- International Medical Summer School
- International Academic Research Conference
- World University Anatomy Competition

Publications

Education materials are developed predominately by the core and associate members of Doctors Academy. With contributions from external authors also welcome. The majority of materials are priced at a cost-neutral rate with any surplus income used to further develop the publication division and support authors.

For details see… publications.doctorsacademy.org

World Journal of Medical Education & Research

Online Academic Journal

- No fees
- No subscription charges

For details see… wjmer.co.uk

Online Revision Resources

DoctorExams consists of 1000s of medical 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 candidates focused revision of topics. Based on past exams these questions are carefully crafted to suit the requirements of undergraduate medical and dental students, doctors taking international medical entrance and licensing exams, and 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

For details see… www.doctorexams.co.uk

www.doctorsacademy.org