31st Edinburgh International Trauma Symposium
16th to 18th August 2017
and Instructional Trauma Course
14th to 18th August 2017

www.trauma.co.uk
symposium@trauma.co.uk.

SPONSORED BY

The Orthopaedic Trauma Society

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Orthopaedic Trauma Association
INTERNATIONAL FACULTY

**Professor S Rajasekaran**

Prof Shanmuganathan Rajasekaran is the Chairman of the Department of Orthopaedics, Trauma and Spine Surgery at Ganga Hospital, Coimbatore, India. He has a special interest in spine and major trauma surgery, and amongst his publications are a number of key papers on the management of open fractures. His department performs more than 20,000 major surgeries per year and sees 1.5M outpatients annually. He is the current President of SICOT, and a Past President of the Indian Orthopaedic Association and World Orthopaedic Concern; he was the Hunterian Professor at the Royal College of Surgeons of England. He is the 2017 Lister Lecturer.

**Dr Roy Sanders**

Dr Roy Sanders is Chief of Orthopaedics at Tampa General Hospital, Florida, and is internationally renowned for his contributions to orthopaedic trauma surgery, in particular his work in the classification and management of calcaneal and pilon fractures. He has been President of the OTA and is the current Editor-in-Chief of the Journal of Orthopaedic Trauma.

**Dr Graham King**

Prof Graham King is Professor in the Department of Surgery at the University of Western Ontario and the Chief of Surgery at St. Joseph’s Health Centre in London, Ontario. He is internationally recognized for his extensive experience in elbow and wrist surgery. He has published widely on elbow and wrist trauma and has received numerous awards for his research into upper extremity bioengineering. He has served as the president of the Canadian Orthopaedic Research Society and is author of the elbow chapter in the current edition of Rockwood and Green’s Fractures in Adults.

**Dr I Schipper**

Prof Inger Schipper is Head of the Department of Trauma Surgery at Leiden University Medical Center, Netherlands. She has published extensively on numerous facets of orthopaedic trauma care, including injuries around the ankle and wrist, as well as non-union surgery. She is president of Advanced Trauma Life Support (ATLS) Netherlands and has served on the board of the Dutch Trauma Society.

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UNITED KINGDOM FACULTY

R Austin  P Hull
A Baker  P Jenkins
P Bates  A Johnstone
M Blyth  M Kelly
C Bruce  A MacLean
M Costa  B Ollivere
J Dias  S Royston
R Duncan  A Watts
D Eastwood

EDINBURGH FACULTY

P Addison  M Moran
A Amin  A Murray
C Arthur  J T Patton
I Brown  J Reid
A Duckworth  P Rust
J F Keating  N Shippin
J McEachan  H Simpson
S Molyneux  T White
As usual, there is a five-day Instructional Course, aimed at trainees and those requiring an over-view and update in orthopaedic trauma, running in parallel with a three-day Trauma Symposium, aimed at established surgeons interested in recent developments, debates, and controversies.

**Highlights of these courses include:**

- An experienced and enthusiastic faculty of international and national experts
- Short, focussed lectures followed by wide-ranging discussions based around carefully selected clinical cases, all located in Edinburgh’s five-star Sheraton Grand Hotel and Spa.
- Breakout sessions which encompass ‘meet the expert’ discussions and dry-bone practical labs.
- Cadaveric surgical labs at the University of Edinburgh’s historic Anatomy Department.
- Expanded breakout and cadaveric sessions focused on combined ortho-plastic teamwork and reconstruction.

See the back cover for delegate feedback from last year’s Symposium.

Book on line on our website, or using the forms on pages 17 & 18.
THE EDINBURGH INTERNATIONAL INSTRUCTIONAL TRAUMA COURSE
14 - 18 August 2017

This popular course provides education in orthopaedic trauma for surgeons in training, senior orthopaedic nurses and senior physiotherapists. It is also useful for experienced orthopaedic surgeons who wish to update their knowledge of orthopaedic trauma.

The level of the course is particularly useful for surgeons preparing for their orthopaedic fellowship examinations.

During the five day course all aspects of orthopaedic trauma will be covered by an experienced faculty of international and national experts. The format comprises lectures, small group discussions and hands-on labs.

MONDAY 14 AUGUST
08.15 Registration & coffee  T White
08.50 Welcome  A Murray

PAEDIATRIC UPPER LIMB  Chairman: A Murray
09.00 Growth plate injuries  R Duncan
09.15 Elbow fractures  A Murray
09.35 Forearm fractures  C Bruce
09.55 Non-accidental injury  D Eastwood
10.05 Cases
10.40 Coffee

PAEDIATRIC LOWER LIMB  Chairman: A Murray
11.00 Hip injuries  R Duncan
11.20 Femoral fractures  A Murray
11.40 Knee and tibial injuries  C Bruce
12.00 Ankle fractures  D Eastwood
12.20 Cases
13.00 Lunch

PRINCIPLES OF FRACTURE FIXATION  Chairman: M Moran
14.00 Fracture healing  C Arthur
14.15 Plating  M Moran
14.30 Nailing  A Amin
14.45 Ex-fix and frames  A MacLean
15.00 Cases
15.40 Coffee

COMPLICATIONS AND BONE DEFECTS  Chairman: S Molyneux
16.00 Non-union and mal-union  A Amin
16.10 Osteomyelitis  H Simpson
16.25 Pathological fractures  J Patton
16.35 Discussion
17.15 Close
TUESDAY 15 AUGUST

UPPER LIMB INJURIES

SHOULDER  Chairman: S Molyneux
09.00 Clavicle, SCJ and ACJ injuries P Jenkins
09.15 Shoulder dislocations J Reid
09.30 Cases

10.20 Coffee

HUMERUS  Chairman: J Reid
10.50 Proximal humerus fractures I Brown
11.05 Humeral shaft fractures P Jenkins
11.15 Distal humerus fractures J Reid
11.25 Cases

12.35 Lunch

13.45 BREAKOUT SESSIONS - ANATOMY DEPARTMENT

A  Cadaveric Approaches Masterclass S Molyneux
B  Dry bones workshop: Distal humeral plating. J Reid
C  Discussion group: FRCS cases. J Keating

17.30 Close
WEDNESDAY 16 AUGUST

HAND AND WRIST  Chairman: S Molyneux
09.00 Soft tissue injuries and infection  J McEachan
09.10 Carpal fractures and dislocations  J Dias
09.25 Metacarpal and phalangeal fractures  P Rust
09.35 Distal Radius  S Molyneux
09.50 Cases

10.35 Coffee

ELBOW AND FOREARM  Chairman: J Reid
10.55 Terrible triad and elbow dislocation  J Reid
11.05 Proximal forearm fractures  S Molyneux
11.15 Diaphyseal fractures  P Jenkins
11.25 Cases

FOOT  Chairman: A Amin
12.20 Calcaneal fractures  R Sanders
12.30 Talar fractures  J Keating
12.40 Midfoot and forefoot fractures  A Amin
12.50 Cases

13.30 Lunch and close

Free afternoon
THURSDAY 17 AUGUST

LOWER LIMB INJURIES

HIP & FEMUR  Chairman: C Arthur
09.00 Hip dislocation and femoral head fractures  M Kelly
09.10 Intracapsular neck of femur fractures  C Arthur
09.20 Extracapsular neck of femur fractures  P Hull
09.30 Cases
10.00 Femoral shaft fractures  P Bates
10.10 Distal femoral fractures  P Hull
10.20 Periprosthetic fractures  M Moran
10.30 Cases

11.10 Coffee

KNEE & TIBIA  Chairman: T White
11.30 Tibial plateau fractures  T White
11.40 Knee dislocation and ligament injuries  M Blyth
11.50 Tibial diaphyseal fractures  M Kelly
12.00 Compartment syndrome  A Duckworth
12.10 Cases

12.50 Break

ANKLE AND PILON  Chairman: T White
13.05 Pilon fractures  R Sanders
13.15 Ankle fractures  T White
13.25 Cases

14.00 Lunch

14.50 BREAKOUT SESSIONS

D Drybone workshop: distal radius  A Watts
E Case based discussion: the limping child  A Murray
F Case based discussion: plateau fractures  M Kelly
G FRCS Viva Sessions  J Keating

15.35 Coffee
15.55 How to train an orthopaedic surgeon  P Bates

16.15 The Lister Lecture  S Rajasekaran

17.00 Drinks Reception
FRIDAY 18 AUGUST

SPINE  Chairman: A Baker
09.00  Biomechanics of spinal injury  A Baker
09.25  Cervical fractures  R Austin
09.40  Thoracolumbar fractures  A Baker
09.50  Discussion

10.00  Coffee

OPEN FRACTURES & LIMB RECONSTRUCTION  Chairman: S Molyneux
10.20  Principles of treatment  S Rajasekaran
10.40  Soft tissue coverage  P Addison
10.50  Treating missing bone  A MacLean
11.00  Cases

11.40  Break

PELVIS  Chairman: P Bates
12.10  Resuscitation and management in polytrauma  P Bates
12.20  Pelvic and sacral fractures  P Hull
12.30  Acetabular fractures  P Bates
12.40  Cases

13.20  Lunch

PASSING THE FRCS: How to pass the trauma vivas: J Keating
14.00  Clinical examination  H Simpson
14.10  Viva examination – the trauma station  J Keating

15.30  Close
THE EDINBURGH INTERNATIONAL TRAUMA SYMPOSIUM
16 - 18 August 2017

This well-established annual meeting updates senior orthopaedic surgeons in new trauma philosophies and techniques.

This year’s subject areas include fractures around the ankle, humerus, proximal femur and tibia; sessions on orthopaedic trials and research, and spinal injuries for the non-spinal surgeon.

The successful format of small group discussions, demonstrations and hands-on sessions will be maintained and delegates will be able to discuss a range of related topics with a faculty of international and national experts.

The meeting will be particularly useful for consultants approaching revalidation in orthopaedic trauma.

WEDNESDAY 16 AUGUST

08.00 Registration and coffee
09.20 Welcome T White

OPEN FRACTURES Chairman: J Keating
09.30 Ganga vs Gustillo - what should we use? S Rajasekaran
09.50 Ex-fix vs nail debate J Keating/Royston
10.10 Primary closure of open tibial fractures - when is it safe? S Rajasekaran
10.25 Case-based discussion
11.00 Coffee

11.20 Traffic lights I Schipper
11.30 EAC vs DCO P Bates
11.40 Rib fractures B Ollivere
11.50 Case-based discussion

12.15 Lunch

ELBOW FRACTURES IN THE ELDERLY Chairman: J Keating
13.00 The distal humeral fracture - fix or TER? G King
13.10 Olecranon - plates vs TBW A Duckworth
13.20 Olecranon - the alternatives A Watts
13.30 Case based discussion

ANKLES AND PILONS Chairman: T White
14.00 AIM - at what? T White
14.10 Pilon - state of the art R Sanders
14.25 Posterior malleolus I Schipper
14.35 Case-based discussion

15.00 Coffee
15.30 BREAKOUT SESSIONS

Breakout 1 - Sheraton Hotel
1 Modern management of bone loss and nonunion Royston/Rajasekaran
2 Complex fractures around the knee Kelly/Keating
3 Talus and other complex hindfoot fractures White/Amin

Breakout 1 - University Anatomy Department
4 Polytrauma - pelvic exfix/packing/rib fracture fixation - cadaveric Bates/Ollivere
5 Distal radial approaches and DRUJ cadaveric anatomy I Schipper/King
6 Supratapellar Nailing - cadaveric surgery Molyneux/Sanders

17.00 Close
THURSDAY 17 AUGUST

SCAPHOID FRACTURES Chair: A Watts
09.00 The ‘clinical’ scaphoid A Duckworth
09.10 Non-operative vs operative? Debate J Dias/G King
09.30 Scaphoid malunion - so what? J Dias
09.40 Techniques - tips and tricks A Watts
09.50 Case based discussion

10.15 Coffee

HUMERAL SHAFT FRACTURES Chair: S Molyneux
10.40 Non-operative vs plates vs nails B Ollivere/S Molyneux/I Schipper
11.10 Non union and other complications A Maclean
11.20 Case based discussion

VERTEBRAL FRACTURES Chair: A Baker
11.45 Acute management / cervical spine? A Baker
11.55 TLICS - what needs to be fixed R Austin
12.05 Managing the osteoporotic spine S Rajasekaran
12.15 Case-based discussion

COMPARTMENT SYNDROME Chair: J F Keating
12.35 The medicolegal risks N Shippin
12.50 Monitoring - when and how? J Keating
13.00 Monitoring - new horizons A Johnstone
13.10 Lunch

ORTHOPAEDIC RESEARCH Chair: J Keating
14.10 Trials that made a difference R Sanders
14.30 Asking the right questions B Ollivere
14.40 Background noise - floor and ceiling - why RCTs show no difference A Duckworth
14.50 What difference do RCTs make? Do we believe them? M Costa

15.35 Coffee
15.55 How to train an orthopaedic surgeon P Bates

16.15 The Lister Lecture S Rajasekaran
17.00 Drinks Reception
FRIDAY 18 AUGUST

DISTAL RADIUS FRACTURES  
*Chairman: A Watts*

09.00 Fixation / DRAFFT  
M Costa

09.10 Non-op vs op in the elderly  
A Watts

09.20 The mystery of the DRUJ  
I Schipper

09.30 Case based discussion  
M Costa

10.00 UK Trauma Trials - what’s going on?  
M Costa

10.20 Coffee

TIBIAL PLATEAU FRACTURES  
*Chairman: T White*

10.40 Span and scan? Timing of surgery  
J Keating

10.50 Round the back: posterior column  
P Bates

11.00 Tips and tricks: the split depression  
T White

11.10 Case based discussion

11.30 Break

CALCANEAL FRACTURES  
*Chairman: A Amin/T White*

11.50 To fix or not to fix? COTS and Heel trial  
T White

12.00 Limitations of the published data  
J Keating

12.05 Surgical approaches what’s changed - since Bohler?  
A Amin

12.15 Tips and tricks  
R Sanders

12.45 Case based discussion

13.00 Lunch

14.00 BREAKOUT SESSION 2

Breakout 2 - Sheraton Hotel

1 Young Hip Fracture  
P Bates

2 Arthroplasty in lower limb trauma: THR & TKR when?  
Patton/Moran

3 Spinal fractures  
S Rajasekaran/Baker

Breakout 2 - University Anatomy Department

4 Surgical approaches to elbow/shoulder  
King/Reid

5 Approaches for pilon/talus/Lisfranc  
Amin/Sanders

15.30 Close
SHERATON HOTEL EDINBURGH

The Trauma Symposium and Instructional Course will be held at the Sheraton Hotel, situated on Lothian Road, Edinburgh, within easy walking distance of many attractions, Festival venues, bars, restaurants and shops.

The Conference venue is convenient for bus, rail (Waverley station) and airport connections. Metered on-street and public off-street car parking is available nearby at city centre rates.

CAPITAL HOTEL

187 Clermiston Road
(The Capital Hotel is located off Queensferry Road approx 3 miles from the city centre).

POLLOCK HALLS

18 Holyrood Park Road
(The halls of residence are located close to Arthur’s Seat approx 1 mile from the city centre).

LINKS HOTEL

Alvanley Terrace

VENUE AND ACCOMMODATION
The Symposium and Instructional Course are organised by the Scottish Orthopaedic Research Trust into Trauma, which was established in 1993 to promote research into orthopaedic trauma. The Trust has promoted research into different aspects of fracture management, fracture epidemiology and the evaluation of soft tissue injury in trauma. In addition it has sponsored a number of clinical fellows. All proceeds from the Edinburgh International Trauma Symposium and the Course will go to further the work of SORT-IT.

Scotland's historic and cosmopolitan capital, Edinburgh is one of the world's foremost tourist experiences. The tall narrow buildings and closes of the medieval Old Town, and the serene classical architecture of the Georgian New Town, are set within a dramatic topography of green hills and parks. To the north, the regenerated Leith Docks provides a waterfront ambience centred on the Royal Yacht Britannia.

The Symposium and the Instructional Course take place during the Edinburgh International Arts Festival and Fringe, the world's largest arts event, when the city is vibrant with drama, music, cabaret, and night life. The world famous Military Tattoo is a very popular event which is usually sold out by the summer - buy your tickets online as early as possible.

There is no shortage of other attractions and places of interest - the Castle, Holyrood Palace, galleries and exhibitions. The city has a wealth of historic associations including those with many pioneers of medicine (see panel right). Eating out is no problem, with a wide range of restaurants and bistro to cater for all tastes, and more than 700 bars.

Edinburgh is easily reached by air, road and rail, and is an ideal base to explore other parts of Scotland.
MEDICAL EDINBURGH

The Symposium and Instructional Course follow Edinburgh's long and distinguished tradition of medical education, with many advances pioneered in the city, and many of the world's medical schools were founded by its graduates.

Notable surgeons have included John Hunter, anatomist and founder of "scientific surgery" in the late 18th century; Robert Liston, who performed the first operation under anaesthesia (ether) in 1846; and Sir James Simpson, who discovered chloroform the following year, testing it on his dinner guests until they slid unconscious under the table!

Other "firsts" include Joseph Black physician who developed the analytical balance and discovered carbon dioxide; William Withering, discoverer of digoxin in 1785; Charles Bell, who identified the nerve functions in 1811 and founded the science of neurology; James Syme, pioneer of plastic surgery; Alexander Wood, the first hypodermic syringe in 1853; gynaecologist Robert Tait, who replaced Lister's antiseptic approach with aseptic methods; and Thomas Brunton, discoverer of amyl nitrite for angina. There were many other advances, including the fields of ophthalmology, forensics and psychology.

Pioneering anatomy students had difficulty obtaining sufficient subjects for dissection, so the need was filled by grave robbers, or "resurrectionists" as the city's wits called them. In 1829 Messrs Burke and Hare streamlined the process by murdering and then selling their victims directly to the University's unquestioning surgical department. Burke was duly hanged, and a pocket book made of his skin can still be seen at the Royal College museum.

Some Edinburgh medics gained fame in other fields Joseph Bell, University lecturer and President of the Royal College of Surgeons, was the inspiration for Sherlock Holmes in the writings of his one-time student and unsuccessful GP Arthur Conan Doyle. Thomas Allinson, pioneer of exercise and healthy diet and inventor of the bread loaf that bears his name, was struck off the General Medical Council in 1894 for having the temerity to suggest that smoking might be bad for one's health.

Even Edinburgh's medical "drop outs" eventually made good; Charles Darwin gave up medical studies in 1825 after finding that an inability to stand the sight of blood was not an asset for a successful surgeon, and became the founding father of evolution. Edward Johnston abandoned medicine at Edinburgh through ill-health, and is now best known as the graphic artist who designed London Transport's world-famous bar-and-circle logo.

Early doctors were exclusively male, but some strong-minded Victorian women were determined to break the barriers. These included Elsie Inglis, active in women's rights and in establishing troop care in the Great War; and Sophia Jex-Blake, whose agitation moved parliament to force universities to grant degrees to women students. However, the world's first qualified woman doctor had trained at Edinburgh almost a century earlier, simply by dressing as a man. "James" Miranda Barry kept her secret through a distinguished career as a naval surgeon until her death in 1865.

The trail of innovation continues through Alexander Fleming, discoverer of penicillin (1928) and anti-typhoid vaccines; the UK's first successful kidney transplant (Michael Woodruff, 1960); the cloning of the famous Dolly the Sheep (Ian Wilmut, 1996); to current pioneering stem-cell research. More medical research per capita is undertaken in Scotland than anywhere else in Europe, and a new BioQuarter research park is under construction in the city to facilitate this. Today, Edinburgh is still a centre of excellence and her medical graduates are found in all parts of the world.

SURGEONS' HALL MUSEUM

Surgeon’s Hall dates from 1804, and has one of the largest pathology and surgical history collections in the UK.

Opening hours:
10.00am to 5.00pm weekdays
last tour 4.30pm
website: www.museum.rcsed.ac.uk
BOOKING YOUR PLACE

Fees are £750 for the 3-day Trauma Symposium (16th-18th August 2017), and £800 for the 5-day Instructional Course (14th-18th August 2017). To reserve your place on either the Symposium or the Instructional Course book and pay online via our website or send or fax the appropriate booking form, on page 17 for the Instructional Course or on page 18 for the International Symposium. If you do not wish to cut the brochure you can photocopy, fax or download the forms from our web-site, www.trauma.co.uk

The Organisers reserve the right to amend the programme if necessary, or to re-allocate group sessions depending on demand.

Send forms and enquiries to the Symposium Organiser, OPD6, Room G32 19A, Royal Infirmary of Edinburgh, Little France, Old Dalkeith Road, Edinburgh EH16 4SU; tel: 0131-242 3545; fax: 0131-242 3541; e-mail: symposium@trauma.co.uk

CANCELLATIONS & REFUNDS

SYMPOSIUM AND COURSE: Cancellations before 12 July 2017 will be refunded in full, less an administration fee of 20%. Cancellations after this date will not normally be refunded except in extenuating circumstances; however, changes of delegate name will be acceptable at any time at no charge.
DELEGATES DETAILS
Title __________ Grade __________________________
(eg Consultant, trainee, Allied Health Professional)
First Name ___________________ Last Name ___________________
Address ________________________________
Country __________________ Post/Zip code ___________________
Tel: __________________ Fax: __________________
mobile: __________________ email: __________________
Hospital/Institution: __________________
Where did you hear about the course? __________________

Please note limited spaces available in some sessions, please book early.

COURSE PACKAGE Instructional Course Fee £800.00

SESSION CHOICES (Please tick the appropriate box)
Day 2 Tuesday 15 August (see page 5)
Breakout Session A ☐ - B ☐ - C ☐

Day 4 Thursday 17 August (see page 7)
Breakout Session D ☐ - E ☐ - F ☐ - G ☐

How to book and pay:
1. Via our website www.trauma.co.uk
2. Post this form to us at SORT-IT with a cheque.

PAYMENT
I enclose my cheque for the above amount ☐
made payable in £ sterling (not euros or dollars) to Edinburgh Trauma Symposium.
DELEGATES DETAILS

Title ___________ Grade ____________________________
(eg Consultant, trainee, Allied Health Professional)

First Name ______________ Last Name _________________________

Address ______________________________________________________

Country ______________ Post/Zip code _____________________________

Tel: ______________________ Fax: _________________________________

mobile: ___________________ email: ______________________________

Hospital/Institution: ____________________________________________

Where did you hear about the course? _____________________________

Please note limited spaces available in some sessions, please book early.

COURSE PACKAGE Symposium Fee £750.00

SESSION CHOICES (Please tick the appropriate box)

Day 1 Wednesday 16 August (see page 9)
Breakout (1) 1 [ ] - 2 [ ] - 3 [ ] - 4 [ ] - 5 [ ] - 6 [ ]

Day 3 Friday 18 August (see page 11)
Breakout (2) 1 [ ] - 2 [ ] - 3 [ ] - 4 [ ] - 5 [ ]

How to book and pay:
1. Via our website www.trauma.co.uk
2. Post or email this form to us at SORT-IT with a cheque.

PAYMENT
I enclose my cheque for the above amount [ ]
made payable in £ sterling (not euros or dollars) to Edinburgh Trauma Symposium.
The International Trauma Symposium is sponsored by Smith&Nephew

A trauma surgeon can see the whole picture even when there isn’t one.

Supporting healthcare professionals for over 150 years

www.smith-nephew.com
Delegate feedback from the Trauma Symposium and the Instructional Course

"The symposium was fantastically organised with pertinent content throughout. The enthusiasm of all of the faculty members was outstanding."

"The trauma symposium is brilliant, and speakers were very knowledgeable and experienced."

"Well organized and useful. Lectures were well organized and workshop and dissection sessions were excellent."

"A very organised team that took us through a range of trauma topics."

"Newly introduced Cadaveric sessions were a very welcome addition to the Instructional Course."

"The cadaveric session in the setting of the anatomy room was nothing short of magical!"

"A very thorough and enjoyable course. The content and depth is ideal for both an ST3 SpR and those undertaking FRCS preparation."

"A master class of guest lecture delivery.... Engaging and thought provoking."

"Great event and I would recommend colleagues to attend."

"Really good case discussion. Very helpful for current practice."