

9th - 12th September 2025  
The Diamond, University of Sheffield

# Sheffield Masterclass

## Advanced Paediatric Orthopaedic Techniques

Sheffield Children's **NHS**  
NHS Foundation Trust

### Who should attend?

- Paediatric Orthopaedic Surgeons
- Trainees and Fellows in training
- Others with an interest in Paediatric orthopaedics



### Why attend?

- Diverse international and national faculty sharing tips and tricks, covering the breadth of Paediatric Orthopaedic techniques and limb reconstruction - lower and upper limbs.
- Maximum interaction, minimum lectures!
- Hands-on experience - industry workshops.
- Video discussion of select operative techniques.
- Social networking.
- 24 CPD points applied for - Royal College of Surgeons of Edinburgh.



[sheffieldmasterclass.com](http://sheffieldmasterclass.com)

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### Programme overview

Day 1: Limb Reconstruction

Day 2: Hip Preservation Paediatric Knee

Day 3: Limb Reconstruction Neuromuscular Upper Limb & Foot and Ankle

Day 4: Brittle Bones and Neuromuscular Lower limb





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### International Faculty



**Mohan Belthur**  
Phoenix, AZ, USA



**Grainne Colgan**  
Dublin, Ireland



**Tony Cooper**  
Vancouver, Canada



**Roy Gigi**  
Tel Aviv, Israel



**Reggie Hamdy**  
Montreal, Canada



**Gamal Hosny**  
Cairo, Egypt



**Muharrem Inan**  
Istanbul, Türkiye



**Rujuta Mehta**  
Mumbai, India



**Timothy Nunn**  
Addis Ababa, Ethiopia

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### UK Faculty



Peter Calder  
London



David Hollinghurst  
Swindon



Om Lahoti  
London



David Rowland  
Glasgow



Anish Sanghrajka  
London



Joanna Thomas  
Birmingham



David Wright  
Liverpool

### Sheffield Faculty



James Fernandes  
Convenor



Ian Baxter



Caroline Blakey



John Cashman



Sara Dorman



Owain Evans



Mark Flowers



Steve Giles



Nick Green



Robert Kucharski



Sanjeev Madan



Nick Nicolaou



Dominic O'Dowd

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Registration fee includes: coffee breaks, buffet lunch and networking reception on Thursday 11th September.	Early Fee before 30th June <u>FULL 4 DAYS</u> attendance	Early Fee before 30th June <u>SINGLE DAY(s)</u> attendance	Standard Fee after 1st July <u>FULL 4 DAYS</u> attendance	Standard Fee after 1st July <u>SINGLE DAY(s)</u> attendance
<b>Consultants</b> Consultant surgeons	£695	£350	£795	£450
<b>Trainees / Fellows</b>	£495	£250	£595	£350
<b>Allied health professionals</b>	£395	£195	£495	£295
<b>Course Dinner</b> Wednesday 10th September	£55			



**Tuesday 9th September**

**Limb Reconstruction**

**ROOM: Lecture Theatre 5**

**Moderator:**

08.00 Welcome  
08.05 CFD - Hip reconstruction  
08.20 Femoral lengthening for CFD  
08.35 Superankle and SHORDT Technique  
08.50 Tibial Hemimelia - Part 1  
09.00 Tibial Hemimelia - Part 2  
09.10 Q & A

09.30 Monolateral femoral lengthening fixator application with cross knee protection

**ROOM: Workroom 1**

**Workshop - 6 stations**

**ROOM: Workroom 2**

**Workshop - 6 stations**

**ROOM: Lecture Theatre 6**

09.30 - 11.00 Parallel AHP session

**10.30 COFFEE & INDUSTRY EXHIBITION**

**ROOM: Lecture Theatre 5**

**Moderator:**

11.00 Soft tissue distraction for clubfoot  
11.10 Use of gradual bony correction using Ilizarov  
11.20 Advanced use of hexapods in foot corrections  
11.35 Talectomy a salvage procedure  
11.45 Q & A

12.00 Ilizarov Application Circular Frame for Soft Tissue distraction of the foot

**ROOM: Workroom 1**

**Workshop - 6 stations**

**ROOM: Workroom 2**

**Workshop - 6 stations**

**ROOM: Lecture Theatre 6**

12.00 - 13.00 Parallel AHP session

**13.00 LUNCH & INDUSTRY EXHIBITION**



**Tuesday 9th September**

**Limb Reconstruction**

**ROOM: Lecture Theatre 5**

**Moderator:**

14.00 Limb length equalisation by epiphysiodesis technique

14.10 Closed femoral shortening

14.20 Osteosynthesis Congenital Pseudoarthrosis of Tibia

14.30 Blount's - holistic approach

14.45 Q & A

15.00 Application Hexapod for U or V osteotomy

**ROOM: Workroom 1**

**Workshop - 6 stations**

**ROOM: Workroom 2**

**Workshop - 6 stations**

**ROOM: Lecture Theatre 6**

15.00 - 16.00 Parallel AHP session

**16.00 TEA & INDUSTRY EXHIBITION**

**ROOM: Lecture Theatre 5**

16.30 Case discussions (**All Faculty**)

17.30 Closed femoral shortening

**ROOM: Workroom 1**

**Workshop - 4 stations**

**ROOM: Workroom 2**

**Workshop - 4 stations**

**ROOM: Lecture Theatre 6**

17.30 - 18.30 Parallel AHP session

18.30 Close of day one

**Wednesday 10th September** **Hip Preservation** **Paediatric Knee**

**ROOM: Lecture Theatre 5** **Hip Preservation**

**Moderator:**

08.00 Welcome  
08.05 Closed treatment of DDH-Pearls  
08.15 Medial open reduction  
08.25 Anterior approach  
08.40 Femoral osteotomies in DDH  
08.50 Salter's Osteotomy  
09.00 Acetabuloplasties  
09.10 Q & A

**ROOM: Lecture Theatre 6** **Paediatric Knee**

**Moderator:**

08.00 Welcome  
08.05 Hamstring MPFL reconstruction in the skeletally immature  
08.20 Quadriceps MPFL and MPTL reconstruction in the skeletally immature  
08.35 Fulkerson Osteotomy  
08.50 Obligate and Fixed Patellar Dislocation  
09.05 Q & A  
09.15 Case Discussions - Patellofemoral  
( All faculty)

09.40 Pelvic workshop (younger children below 8 years old) - hands on and animated videos

**ROOM: Workroom 1**

**Workshop - 5 stations**

**Hip Preservation**

**ROOM: Workroom 2**

**Workshop - 5 stations**

**ROOM: Lecture Theatre 6**

09.40 - 10.40 Parallel AHP session

10.40 COFFEE & INDUSTRY EXHIBITION

**ROOM: Lecture Theatre 5**

**Hip Preservation**

**Moderator:**

11.10 Educational presentation  
11.40 Femoroacetabular impingement - arthroscopic techniques  
11.50 Q&A  
12.30 Case Discussions - Younger age group  
( All faculty)

**ROOM: Lecture Theatre 6**

**Paediatric Knee**

**Moderator:**

11.10 Arthroscopic screw fixation of tibial eminence fracture  
11.25 Antegrade and retrograde drilling of osteochondral defects  
11.40 OATs  
11.55 Osteochondral defect fixation  
12.10 Case discussions- cartilage  
(All faculty)

13.00 LUNCH & INDUSTRY EXHIBITION



**Wednesday 10th September**

**Hip Preservation**

**Paediatric Knee**

**ROOM: Lecture Theatre 5**

**Hip Preservation**

**Moderator:**

- 14.00 FAI - open osteochondroplasty and relative neck lengthening
- 14.15 Surgical management of AVN
- 14.30 Surgical Hip Dislocation-SCFE
- 14.45 Residual dysplasia - PAO
- 15.00 Residual dysplasia - Triple pelvic osteotomy

**ROOM: Lecture Theatre 6**

**Paediatric Knee**

**Moderator:**

- 14.00 Inside-out meniscal repair
- 14.10 All-inside meniscal repair
- 14.20 Outside-in meniscal repair
- 14.30 Saucerisation and stabilisation of the discoid meniscus
- 14.40 Meniscal root and ramp lesion repair
- 14.50 Case discussion- meniscus  
( All faculty)

15.15 Pelvic workshop (older children above 8 years old) - hands on and animated videos.

**ROOM: Workroom 1**

**Workshop - 5 stations**

**Hip Preservation**

**ROOM: Workroom 2**

**Workshop - 5 stations**

**ROOM: Lecture Theatre 6**

15.15 - 16.10 Parallel AHP session

**16.10 TEA & INDUSTRY EXHIBITION**

**ROOM: Lecture Theatre 5**

**Hip Preservation**

**Moderator:**

- 16.30 OCD-OATS
- 16.40 Case discussions - Older age group  
(All faculty)
- 17.30 Total hip arthroplasty for Paediatric disorders
- 17.40 Athletic Injuries of the adolescent hip
- 17.50 Final comments and close

**ROOM: Lecture Theatre 6**

**Paediatric Knee**

**Moderator: Dominic O'Dowd**

- 16.30 All-epiphyseal ACL reconstruction
- 16.45 Extraphyseal ACL reconstruction for congenital ligament deficiency
- 17.00 Transphyseal ACL reconstruction with quadriceps tendon graft
- 17.15 Ligamentous reconstruction in Lax knees
- 17.30 Case Discussions- ACL/ workshop  
( All faculty)
- 18.00 Final comments and close

**19.30 COURSE DINNER - please ensure you have purchased a ticket to attend.**  
Akbar's Restaurant, 10 Fitzwilliam street, Broomhall, Sheffield, S1 4JB

Thursday 11th September

Limb Reconstruction

Neuromuscular -  
Upper Limb & Foot and Ankle

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator:

08.00 Welcome  
08.05 Knee extension contractures  
08.15 Flexion knee contractures  
08.25 Hip arthrodiastasis  
08.35 Physiolsis tips and tricks  
08.50 Update on 3D printing and JIGS  
09.00 Bone substitutes and biologics  
09.10 Q & A

ROOM: Lecture Theatre 6

Neuromuscular  
Upper Limb &  
Foot and Ankle

Moderator:

08.00 Welcome  
08.05 Introduction to UL assessment & decision making  
08.25 Shoulder Release (PM, TM, SS, LD)  
08.45 Elbow flexor lengthening (Biceps/Brachialis)  
09.05 HSNelbow flexors (MCN +/- radial)  
09.25 Case Discussions - low functioning arm  
(All faculty)

09.45 Application Hexapod Ilizarov Hybrid for knee contractures

ROOM: Workroom 1

Workshop - 5 stations

Limb Reconstruction

ROOM: Workroom 2

Workshop - 5 stations

ROOM: Lecture Theatre 6

09.45 - 10.45 Parallel AHP session

10.45 COFFEE & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator:

11.15 Intramedullary FITBONE femoral lengthening  
11.35 Intramedullary PRECICE femoral lengthening  
11.50 Q & A  
12.00 Case Discussions (All Faculty)

ROOM: Lecture Theatre 6

Neuromuscular  
Upper Limb &  
Foot and Ankle

Moderator:

11.10 Wrist arthrodesis and PRC  
11.25 Dorsal Wedge Carpectomy  
11.40 STP transfer  
12.00 Thumb release + HSN DBUN & motor branch median  
12.15 Case discussions - Functional Upper limb  
(All faculty)

13.00 LUNCH & INDUSTRY EXHIBITION

Thursday 11th September

Limb Reconstruction

Neuromuscular -  
Upper Limb & Foot and Ankle

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator:

- 13.45 Ilizarov Hip Reconstruction
- 14.05 Pelvic support hip reconstruction - internal devices
- 14.20 Fixator assisted femoral/tibial correction nailing / plating
- 14.50 Q & A

ROOM: Lecture Theatre 6

Neuromuscular  
Upper Limb &  
Foot and Ankle

Moderator:

- 13.45 Forearm fractional lengthening
- 14.00 HSN wrist flexors median & ulnar
- 14.15 Tendon transfers FCU vs ECU to ECRB, PT reroute
- 14.30 Thumb: EPL tenodesis/ re route/ BR to EPL
- 14.45 Fingers: distal/proximal tenotomy for swan neck, DBUN neurectomy intrinsics & thumb
- 15.00 Case discussion - complex cases/ dystonia

15.15 Intramedullary retrograde femoral lengthening nail workshop

ROOM: Workroom 1

Workshop - 5 stations

Limb Reconstruction

ROOM: Lecture Theatre 6

15.15 - 16.10 Parallel AHP session

16.10 TEA & INDUSTRY EXHIBITION

Thursday 11th September

Limb Reconstruction

Neuromuscular -  
Upper Limb & Foot and Ankle

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator:

16.30 Bone gap reconstruction  
16.40 Severe tibial hemimelia reconstructions  
  
16.50 Post septic knee contracture correction  
17.00 Volkmann's Ischemic contracture  
17.10 Q & A

ROOM: Lecture Theatre 6

Neuromuscular  
Upper Limb &  
Foot and Ankle

Moderator:

16.30 Cavovarus foot correction  
16.45 Reconstructive Planovalgus correction  
  
17.00 Subtalar Arthroreisis  
17.10 Congenital vertical talus  
17.20 Q & A  
17.30 Case Discussions

17.30 Hip Arthrodiastasis workshop

Limb Reconstruction

ROOM: Workroom 1

Workshop - 3 stations

ROOM: Workroom 2

Workshop - 2 stations

ROOM: Lecture Theatre 6

17.30 - 18.30 Parallel AHP session

18.30 - 19.30 NETWORKING RECEPTION - All delegates and exhibitors are welcome to attend



Friday 12th September

Brittle Bones & Neuromuscular - Lower Limb

**ROOM: Lecture Theatre 5**

**Moderator:**

08.00 Welcome  
08.05 Growing rods in the lower limb  
08.20 Upper limb correction in Brittle bones  
08.35 Coxa vara correction in OI  
08.45 Q & A

09.00 Hands on workshop - Growing rods

**ROOM: Workroom 1**

Workshop - 3 stations

Brittle Bones &  
Neuromuscular

**ROOM: Workroom 2**

Workshop - 2 stations

**ROOM: Lecture Theatre 6**

09.00 - 10.00 Parallel AHP session

10.00 COFFEE & INDUSTRY EXHIBITION

**ROOM: Lecture Theatre 5**

**Moderator:**

10.30 Introduction and role of Gait analysis in decision making  
10.45 Surgical correction for crouch  
11.00 VDRO / Dega  
11.10 Q & A

Friday 12th September

Brittle Bones & Neuromuscular - Lower Limb

11.30 Distal femoral extension osteotomy & patellar pulldown - hands on and videos.

ROOM: Workroom 1

Workshop - 3 stations

Neuromuscular  
Lower Limb

ROOM: Workroom 2

Workshop - 3 stations

ROOM: Lecture Theatre 6

11.30 - 12.30 Parallel AHP session

12.30 LUNCH & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Moderator:

13.30 Case Discussions: Hemiplegia / Neuromuscular foot cases

14.30 Femoral derotation with nail

ROOM: Workroom 1

Workshop - 3 stations

Neuromuscular - Lower Limb

ROOM: Workroom 2

Workshop - 2 stations

ROOM: Lecture Theatre 6

14.30 - 15.15 Parallel AHP session

15.15 TEA & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Moderator:

15.45 Rectus Transfer

16.00 Semi-tendinosus transfer

16.15 Case Discussions: Skeletally Mature Hip Dislocation - PAO v/s Dega vs Shelf vs excision (**All faculty**)

17.00 Final comments and close