

5th - 8th September 2023
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 awarded by Royal College of Surgeons of England.



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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 &
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



Vrisha Madhuri
Vellore, India

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UK Faculty



Om Lahoti
London



Hemant Sharma
Hull



David Wright
Liverpool

Sheffield Organising Committee



James Fernandes
Convenor



Fazal Ali



Caroline Blakey



John Cashman



Sara Dorman



Owain Evans



Mark Flowers



Steve Giles



Nick Green



Paul Haslam



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 7th September.	Early Fee before 25th August FULL 4 DAYS attendance	Early Fee before 25th August SINGLE DAY(s) attendance	Late Fee after 26th August FULL 4 DAYS attendance	Late Fee after 26th August SINGLE DAY(s) attendance
Consultants Consultant surgeons	£550	£250	£650	£350
Trainees / others Trainees and other allied health professionals	£375	£175	£475	£275
Course Dinner Wednesday 6th September	£45			

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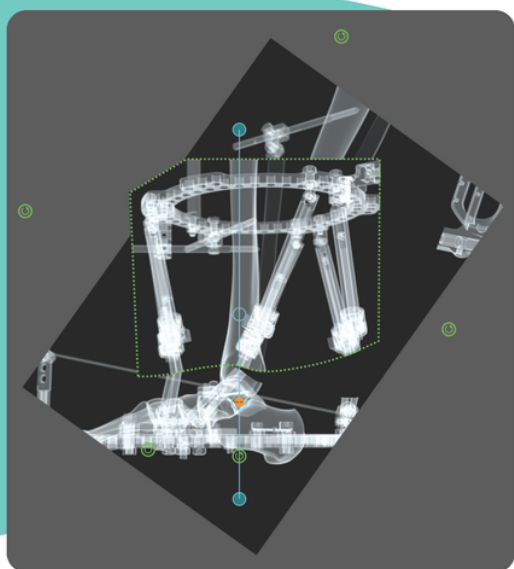
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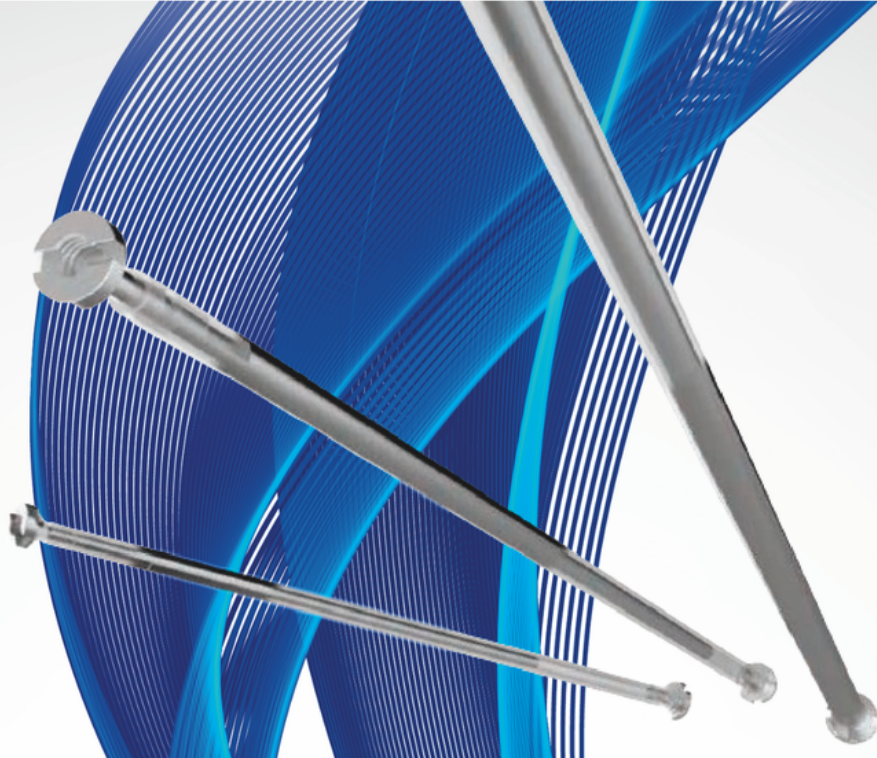
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Int2Med 

Tuesday 5th September

Limb Reconstruction

ROOM: Lecture Theatre 5

Moderator: James Fernandes

08.00 Welcome (James Fernandes)
08.05 CFD - Hip reconstruction (James Fernandes)
08.20 Femoral lengthening for CFD (Tony Cooper)
08.35 Superankle and SHORDT Technique (Mohan Belthur)
08.50 Tibial Hemimelia - Part 1 (Reggie Hamdy)
09.00 Tibial Hemimelia - Part 2 (Gamal Hosny)
09.10 Q & A

09.30 Monolateral femoral lengthening fixator application with cross knee protection

ROOM: Workroom 1

Workshop - 3 stations



Moderator: Tony Cooper

Supporting Faculty: Vrisha Madhuri, Om Lahoti, Gamal Hosny, Mohan Belthur, Steve Giles.

ROOM: Workroom 2

Workshop - 3 stations

Moderator: Nick Green

Supporting Faculty: Reggie Hamdy, Roy Gigi, Sanjeev Madan, James Fernandes.

10.30 COFFEE & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Moderator: Steve Giles

11.00 Soft tissue distraction for clubfoot (Sanjeev Madan)
11.10 Use of gradual bony correction using Ilizarov (Steve Giles)
11.20 Advanced use of hexapods in foot corrections (Om Lahoti)
11.35 Talectomy a salvage procedure (Reggie Hamdy)
11.45 Q & A

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

ROOM: Workroom 1

Workshop - 5 stations

Smith+Nephew

Moderator: Sanjeev Madan

Supporting Faculty: Gamal Hosny, Mohan Belthur, Om Lahoti, James Fernandes.

ROOM: Workroom 2

Workshop - 5 stations

Moderator: Steve Giles

Supporting Faculty: Vrisha Madhuri, Reggie Hamdy, Roy Gigi, Nick Green.

13.00 LUNCH & INDUSTRY EXHIBITION

Tuesday 5th September

Limb Reconstruction

ROOM: Lecture Theatre 5

Moderator: Nick Green

14.00 Limb length equalisation by epiphysiodesis technique (**Nick Green**)

14.10 Closed femoral shortening (**Steve Giles**)

14.20 Mango slice osteotomy for tibial bowing (**Vrisha Madhuri**)

14.30 Blount's - holistic approach (**Gamal Hosny**)

14.45 Q & A

15.00 Application Hexapod for U or V osteotomy

ROOM: Workroom 1

Workshop - 5 stations

Smith+Nephew

Moderator: Om Lahoti

Supporting Faculty: Reggie Hamdy, Vrisha Madhuri, Sanjeev Madan, Nick Green.

ROOM: Workroom 2

Workshop - 5 stations

 **OrthoPediatrics**[®]
Leading Innovation in Pediatric Orthopedics

Moderator: Tony Cooper

Supporting Faculty: Roy Gigi, Gamal Hosny, Mohan Belthur, Steve Giles, James Fernandes.

16.00 TEA & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Moderator: Steve Giles

16.30 Case discussions (**Steve Giles, all Limb Reconstruction Faculty**)

17.30 Closed femoral shortening

ROOM: Workroom 1

Workshop - 3 stations

 **OrthoPediatrics**[®]
Leading Innovation in Pediatric Orthopedics

Moderator: Steve Giles

Supporting Faculty: Reggie Hamdy, Mohan Belthur, Roy Gigi, Sanjeev Madan.

ROOM: Workroom 2

Workshop - 3 stations

Moderator: Nick Green

Supporting Faculty: Vrisha Madhuri, Gamal Hosny, Tony Cooper, James Fernandes.

18.30 Close of day one

Wednesday 6th September

Hip Preservation

Paediatric Knee

ROOM: Lecture Theatre 5

Hip Preservation

Moderator: Mark Flowers

- 08.00 Welcome (Mark Flowers)
- 08.05 Closed treatment of DDH-Pearls (Vrisha Madhuri)
- 08.15 Medial open reduction (Caroline Blakey)
- 08.25 Anterior approach (Reggie Hamdy)
- 08.40 Femoral osteotomies in DDH (Mohan Belthur)
- 08.50 Salter's Osteotomy (Mark Flowers)
- 09.00 Acetabuloplasties (Tony Cooper)
- 09.10 Q & A

ROOM: Lecture Theatre 6

Paediatric Knee

Moderator: Nick Nicolaou

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

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

ROOM: Workroom 1

Moderator: Reggie Hamdy

Supporting Faculty: Vrisha Madhuri, Mohan Belthur, Mark Flowers, Nick Green, Robert Kucharski, Steve Giles.

Workshop - 5 stations

Hip Preservation



ROOM: Workroom 2

Moderator: Caroline Blakey

Supporting Faculty: Tony Cooper, Roy Gigi, Gamal Hosny, Om Lahoti, Sanjeev Madan, James Fernandes.

Workshop - 5 stations

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10.40 COFFEE & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Hip Preservation

Moderator: Sanjeev Madan

- 11.10 Educational presentation - EVOS system (Nick Green / All faculty)
- Smith+Nephew**
- 11.40 Femoroacetabular impingement - arthroscopic techniques (Sanjeev Madan)
- 11.50 Q&A
- 12.30 Case Discussions - Younger age group (Caroline Blakey / All faculty)

ROOM: Lecture Theatre 6

Paediatric Knee

Moderator: Fazal Ali

- 11.10 Arthroscopic screw fixation of tibial eminence fracture (Dominic O'Dowd)
- 11.25 Antegrade and retrograde drilling of osteochondral defects (Nick Nicolaou)
- 11.40 OATs (Paul Haslam)
- 11.55 Osteochondral defect fixation (Roy Gigi)
- 12.10 Case discussions- cartilage (Dominic O'Dowd / All faculty)

13.00 LUNCH & INDUSTRY EXHIBITION

Wednesday 6th September

Hip Preservation

Paediatric Knee

ROOM: Lecture Theatre 5 Hip Preservation

Moderator: Sanjeev Madan

- 14.00 FAI - open osteochondroplasty and relative neck lengthening (**Sanjeev Madan**)
- 14.15 Surgical management of AVN (**Vrisha Madhuri**)
- 14.30 Surgical Hip Dislocation-SCFE (**Nick Green**)
- 14.45 Residual dysplasia - PAO (**Caroline Blakey**)
- 15.00 Residual dysplasia - Triple pelvic osteotomy (**Sanjeev Madan**)

ROOM: Lecture Theatre 6 Paediatric Knee

Moderator: Paul Haslam

- 14.00 Inside-out meniscal repair (**Dominic O'Dowd**)
- 14.10 All-inside meniscal repair (**Nick Nicolaou**)
- 14.20 Outside-in meniscal repair (**Nick Nicolaou**)
- 14.30 Saucerisation and stabilisation of the discoid meniscus (**Dominic O'Dowd**)
- 14.40 Meniscal root and ramp lesion repair (**Paul Haslam**)
- 14.50 Case discussion- meniscus (**Dominic O'Dowd / All faculty**)

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

ROOM: Workroom 1

Moderator: Reggie Hamdy

Supporting Faculty: Vrisha Madhuri, Nick Green, Om Lahoti, Steve Giles, James Fernandes.

Workshop - 5 stations



Hip Preservation

ROOM: Workroom 2

Moderator: Sanjeev Madan

Supporting Faculty: Gamal Hosny, Tony Cooper, Caroline Blakey, Mark Flowers, Robert Kucharski.

Workshop - 5 stations

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16.10 TEA & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5 Hip Preservation

Moderator: Caroline Blakey

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

ROOM: Lecture Theatre 6 Paediatric Knee

Moderator: Dominic O'Dowd

- 16.30 All-epiphyseal ACL reconstruction (**Paul Haslam**)
- 16.45 Extraphyseal ACL reconstruction for congenital ligament deficiency (**Nick Nicolaou**)
- 17.00 Transphyseal ACL reconstruction with quadriceps tendon graft (**Roy Gigi**)
- 17.15 Ligamentous reconstruction in Lax knees (**Vrisha Madhuri**)
- 17.30 Case Discussions- ACL/ workshop (**Nick Nicolaou / 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 7th September

Limb Reconstruction

Neuromuscular -
Upper Limb & Foot and Ankle

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator: Steve Giles

- 08.00 Welcome (Steve Giles)
- 08.05 Knee extension contractures (Reggie Hamdy)
- 08.15 Flexion knee contractures (Nick Green)
- 08.25 Hip arthrodiastasis (Sanjeev Madan)
- 08.35 Physiolysis tips and tricks (Vrisha Madhuri)
- 08.50 Update on 3D printing and JIGS (Roy Gigi)
- 09.00 Bone substitutes and biologics (Steve Giles)
- 09.10 Q & A

ROOM: Lecture Theatre 6

Neuromuscular
Upper Limb &
Foot and Ankle

Moderator: Sara Dorman

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

09.45 Application Hexapod Ilizarov Hybrid for knee contractures

ROOM: Workroom 1

Workshop - 5 stations

Moderator: Tony Cooper

Supporting Faculty: Mohan Belthur, Vrisha Madhuri, Hemant Sharma, Steve Giles, James Fernandes.



Limb Reconstruction

ROOM: Workroom 2

Workshop - 5 stations

Moderator: Nick Green

Supporting Faculty: Reggie Hamdy, Roy Gigi, Gamal Hosny, Om Lahoti, Sanjeev Madan.

Smith+Nephew

10.45 COFFEE & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator: Nick Green

- 11.15 Intramedullary FITBONE femoral lengthening (Nick Green)
- 11.35 Intramedullary PRECICE femoral lengthening (Mohan Belthur)
- 11.50 Q & A
- 12.00 Case Discussions (Nick Green / All Faculty)

ROOM: Lecture Theatre 6

Neuromuscular
Upper Limb &
Foot and Ankle

Moderator: John Cashman

- 11.10 Wrist arthrodesis and PRC (John Cashman)
- 11.25 Dorsal Wedge Carpectomy (Vrisha Madhuri)
- 11.40 STP transfer (Sara Dorman)
- 12.00 Thumb release + HSN DBUN & motor branch median (Grainne Colgan / Sara Dorman)
- 12.15 Case discussions - Functional Upper limb (John Cashman / All faculty)

13.00 LUNCH & INDUSTRY EXHIBITION

Thursday 7th September

Limb Reconstruction

Neuromuscular -
Upper Limb & Foot and Ankle

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator: Sanjeev Madan

- 13.45 Ilizarov Hip Reconstruction (**Gamal Hosny**)
- 14.05 Pelvic support hip reconstruction - internal devices (**James Fernandes**)
- 14.20 Fixator assisted femoral/tibial correction nailing / plating (**Hemant Sharma**)
- 14.50 Q & A

ROOM: Lecture Theatre 6

Neuromuscular
Upper Limb &
Foot and Ankle

Moderator: Sara Dorman

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

15.15 Intramedullary retrograde femoral lengthening nail FITBONE workshop

ROOM: Workroom 1

Workshop - 5 stations

Limb Reconstruction

Moderator: Nick Green

Supporting Faculty: Reggie Hamdy, Steve Giles, Om Lahoti, Sanjeev Madan, Hemant Sharma.



15.15 PRECICE interactive workshop

Limb Reconstruction

ROOM: Lecture Theatre 5

Moderators: James Fernandes, Mohan Belthur.

Supporting Faculty: Roy Gigi, Tony Cooper, Gamal Hosny, Vrisha Madhuri.



16.10 TEA & INDUSTRY EXHIBITION

Thursday 7th September

Limb Reconstruction

Neuromuscular -
Upper Limb & Foot and Ankle

ROOM: Lecture Theatre 5

Limb Reconstruction

Moderator: Sara Dorman

- 16.30 Chronic radial head reduction with monolateral (Vrisha Madhuri)
- 16.40 Soft Tissue distraction radial club hand (Gamal Hosny)
- 16.50 Forearm in HME (Sara Dorman)
- 17.00 Elbow contractures (Gamal Hosny)
- 17.10 Q & A

ROOM: Lecture Theatre 6

Neuromuscular
Upper Limb &
Foot and Ankle

Moderator: Robert Kucharski

- 16.30 Cavovarus foot correction (Reggie Hamdy)
- 16.45 Reconstructive Planovalgus correction (Mark Flowers)
- 17.00 Subtalar Arthroreisis (Robert Kucharski)
- 17.10 Congenital vertical talus (Vrisha Madhuri)
- 17.20 Q & A
- 17.30 Case Discussion (Robert Kucharski)

17.30 Hip Arthrodiastasis workshop

Limb Reconstruction

ROOM: Workroom 1

Workshop - 3 stations

Moderator: Sanjeev Madan

Supporting Faculty: Mohan Belthur, Roy Gigi, Tony Cooper, Gamal Hosny, Om Lahoti.



ROOM: Workroom 2

Workshop - 2 stations

Moderator: James Fernandes

Supporting Faculty: Reggie Hamdy, Vrisha Madhuri, Hemant Sharma, Steve Giles, Nick Green.

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

Friday 8th September

Brittle Bones & Neuromuscular - Lower Limb

ROOM: Lecture Theatre 5

Moderator: Nick Nicolaou

- 08.00 Welcome (Nick Nicolaou)
- 08.05 Growing rods in the lower limb (Tony Cooper)
- 08.20 Upper limb correction in Brittle bones (Muharrem Inan)
- 08.35 Coxa vara correction in OI (Reggie Hamdy)
- 08.45 Q & A

09.00 Hands on workshop - TST Growing rods



ROOM: Workroom 1

Workshop - 3 stations

Brittle Bones
Lower Limb

Moderator: Muharrem Inan

Supporting Faculty: Nick Nicolaou, Tony Cooper, Gamal Hosny, Om Lahoti.

ROOM: Workroom 2

Workshop - 2 stations

Moderator: Steve Giles

Supporting Faculty: Reggie Hamdy, Roy Gigi, Vrisha Madhuri.

09.00 JTIN Growing Rod interactive workshop

Brittle Bones
Lower Limb



ROOM: Lecture Theatre 5

Moderator: James Fernandes

Supporting Faculty: Mohan Belthur, Nick Green.

10.00 COFFEE & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Moderator: John Cashman

- 10.30 Introduction and role of Gait analysis in decision making (John Cashman)
- 10.45 Surgical correction for crouch (David Wright)
- 11.00 VDRO / Dega (Mohan Belthur)
- 11.10 Q & A

Friday 8th September

Brittle Bones & Neuromuscular - Lower Limb

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

ROOM: Workroom 1

Moderator: David Wright

Workshop - 3 stations

Supporting Faculty: Vrisha Madhuri, Mohan Belthur, Tony Cooper, Roy Gigi, Nick Green, Steve Giles, Caroline Blakey.

**Neuromuscular
Lower Limb**



ROOM: Workroom 2

Moderator: John Cashman

Workshop - 3 stations

Supporting Faculty: Muharrem Inan, Reggie Hamdy, Gamal Hosny, Sara Dorman, Nick Nicolaou, Sanjeev Madan, James Fernandes.

12.30 LUNCH & INDUSTRY EXHIBITION

ROOM: Lecture Theatre 5

Moderator: Sara Dorman

13.30 Case Discussions: Hemiplegia / Neuromuscular foot cases (John Cashman / Vrisha Madhuri)

14.30 Femoral derotation over DERONA nail

Neuromuscular - Lower Limb

ROOM: Workroom 1

Moderator: Muharrem Inan

Workshop - 3 stations

Supporting Faculty: Mohan Belthur, David Wright, Reggie Hamdy, Roy Gigi, John Cashman.



ROOM: Workroom 2

Moderator: Caroline Blakey

Workshop - 2 stations

Supporting Faculty: Vrisha Madhuri, Tony Cooper, Sara Dorman, Steve Giles, Nick Green, James Fernandes.

ROOM: Lecture Theatre 5

Moderator: John Cashman

15.45 Rectus Transfer (John Cashman)

16.00 Semi-tendinosus transfer (Sara Dorman)

16.15 Case Discussions: Skeletally Mature Hip Dislocation - PAO v/s Dega vs Shelf vs excision (John Cashman)
David Wright / Sara Dorman / Sanjeev Madan / Caroline Blakey / Nick Green / Mohan Belthur / Reggie Hamdy

17.00 Final comments and close

