

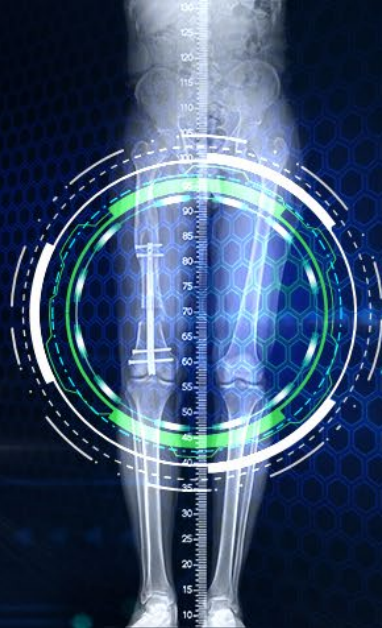


BRITISH LIMB RECONSTRUCTION SOCIETY

BLRS 2021

ANNUAL SCIENTIFIC MEETING
VIRTUAL CONFERENCE

ON DEMAND FROM 15 APRIL



WHO SHOULD ATTEND?

calling all surgeons, nurses, allied health professionals, trainees and others with an interest in limb reconstruction.

ON DEMAND ACCESS

view all presentations at your convenience for 9 weeks from 15 April until 18 June, when you want it, where you want it.

BROAD RANGE OF SUBJECTS

updates and instructional content in limb reconstruction.

REGISTRATION

open to members and non-members from 22 February until 11 June.

CPD ACCREDITED

Up to 7.5 CPD points have been awarded by The Royal College of Surgeons of England.

LIVE WEBINARS

engage with our experts through detailed case discussions.

INDUSTRY EXHIBITORS

live webinars; learn about latest innovations; have a zoom chat; view pre-recorded presentations.

1-1 MESSAGING

with speakers, fellow colleagues and industry exhibitors

Programme overview



All rooms (on demand access) included in your registration fee

INDUSTRY EXHIBITORS		Visit our industry exhibitors: participate in live webinars; learn about their latest innovations; have a zoom chat; view pre-recorded presentations.
Room 1	MAJOR INCIDENTS	Learn from our experts on major incidents responses and rehabilitation.
Room 2	TOPICS IN FOCUS	3D printing symposium; knee symposium; foot deformities symposium.
Room 3	KEYNOTE LECTURES	The basic science of fractures; Reverse planning; Induced membrane – an update.
Room 4	NURSES & ALLIED HEALTH PROFESSIONALS	Role of occupational therapy in limb reconstruction; patient experience – a mother's perspective; service role / development; clinical talks; a year of covid-19.
Room 5	FREE PAPERS	View our selected 56 free papers, each giving a five minute presentation covering adult deformity; adult infection; adult trauma; basic science; paediatric.
Room 6	RESEARCH & REPORTS	Travelling fellowship report; the ACTIV trial; BOA future leaders fellow.



Available on demand



from 15 April



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2021**

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Exclusive access for registered BLRS 2021 delegates
Login at: <https://blrs.talkingslideshd.com/home>

LIVE WEBINAR: Best of the Best Free Papers and prize presentation.

Monday 19 April 7pm–8pm (BST)

Chairpersons:



Peter Calder
RNOH, Stanmore



Nikos Giotakis
Liverpool University
Hospitals



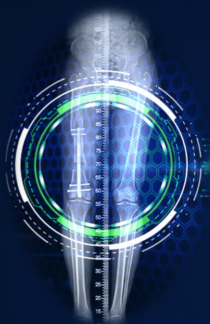
Hemant Sharma
Hull University
Teaching Hospitals



Bilal Jamal
QEUH, Glasgow



Amir Qureshi
University Hospital
Southampton



+ SMART TSF[◊]: The role of next-generation hexapod systems

2021 BLRS Annual Scientific Meeting: Live Webinar
May 17, 2021 | 7PM - 8PM BST

As Smith+Nephew prepare to launch the SMART TSF system join Mr. David Goodier as he examines the history of hexapod fixation, and the new hardware and software features that will be available with SMART TSF.



Speaker:

Mr. David Goodier MB BS FRCS (Orth)
Royal National Orthopaedic Hospital



Live Webinar



Clinical Experiences with the NEW ORTHEx hexapod system

Join us on Wednesday 19th May 2021 at 19:00-20:00 BST



Speaker

Dr Anthony Cooper
BC Children's Hospital
Vancouver
Canada



Moderator

Mr Jürgen Messner
Royal Hospital for Sick
Children
Edinburgh
Scotland

The webinar will focus on the latest advances in hexapod technology : no mounting parameters; CORA Based software planning; pin-site infection management; stable framing and more.

For more information contact Clifton Phiri at cphiri@orthopediatrics.com



27 May (7pm–8pm)

Case-Based Discussion on Lower Limb Reconstruction

Moderator: H. Sharma (Hull, UK)

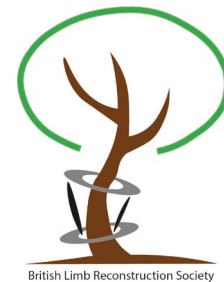
**Speakers: F. Birkholtz (Pretoria, South Africa) and
N. Ferreira (Cape Town, South Africa)**

- This live webinar will consist of an interactive discussion of clinical cases, demonstrating the principles and techniques of trauma and post-traumatic reconstruction of the lower limb.
- At the end of the webinar, participants will be able to identify and incorporate into practice appropriate strategies for limb salvage, limb deformity correction, and limb lengthening.
- The webinar will provide a deep learning experience and provoke discussion that improves outcomes in limb reconstruction.



Room 1 MAJOR INCIDENTS

On demand access – view at your convenience.



WELCOME & INTRODUCTION Amer Shoaib – Manchester Royal Infirmary	2 mins.
THE MANCHESTER ARENA BOMBING Amer Shoaib – Manchester Royal Infirmary	30 mins.
MEN ARENA BLAST MAY 2017: ROYAL MANCHESTER CHILDREN'S HOSPITAL RESPONSE Ibrar Majid – Dubai , UAE	27 mins.
THE ORTHOPAEDIC RESPONSE TO MAJOR INCIDENTS IN LONDON David Goodier – RNOH, Stanmore	27 mins.
RESPONDING TO VIOLENCE IN GAZA Graeme Groom – King's College Hospital, London	27 mins.
REHABILITATION OF MULTI TRAUMA PATIENTS – MILITARY AND NHS APPROACHES: Emer McGilloway – King's College Hospital, London	24 mins.



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from 15 April



Room 2 TOPICS IN FOCUS

On demand access – view at your convenience.



3D PRINTING SYMPOSIUM	3D BIO-PRINTING FOR TISSUE/ORGAN ENGINEERING Bahattin Koc – Sabanci University, Istanbul	20 mins.
	MEDICAL IMPLANT TECHNOLOGY: DEVELOPMENT OF 3D PRINTED (SLS) POROUS IMPLANTS Gordon Blunn – University of Portsmouth	25 mins.
	THE USE OF 4WEB IN TREATING BONE DEFECTS OF THE LOWER LIMB Mark Davies – Sheffield Teaching Hospitals	20 mins.
KNEE SYMPOSIUM	PERIARTICULAR OSTEOTOMIES Matt Dawson – North Cumbria University Hospital	35 mins.
	TIBIAL PLATEAU FRACTURES Amir Qureshi – University Hospital Southampton	18 mins.
	DISTRACTION FOR OSTEOARTHRITIS Hamish Simpson – University of Edinburgh	14 mins.
FOOT DEFORMITIES SYMPOSIUM	TRADITIONAL ILIZAROV – THE WORKHORSE OF PAEDIATRIC FOOT DEFORMITY CORRECTION James Fernandes – Sheffield	21 mins.
	CORRECTION OF COMPLEX FOOT DEFORMITIES IN ADULTS WITH HEXAPOD Om Lahoti – King's College Hospital	33 mins.



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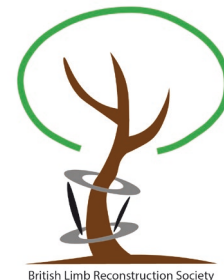


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Room 3 KEYNOTE LECTURES

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HEALING OF TIBIAL SHAFT FRACTURES Peter Thomas – University Hospital of North Staffordshire	32 mins.
REVERSE PLANNING – DEFORMITY CORRECTION AND LENGTHENING USING DISTRACTION NAILS Rainer Baumgart – University of Munich, Germany	27 mins.
THE INDUCED MEMBRANE TECHNIQUE OF MASQUELET Paul Harwood – Leeds	31 mins.



Room 4 NURSES & ALLIED HEALTH PROFESSIONALS

On demand access – view at your convenience.



MANCHESTER	WELCOME & INTRODUCTION Rex Turita – Manchester Royal Infirmary	2 mins.
	A MOTHER'S PERSPECTIVE Rasema Bakkali – Ayub's Mother	20 mins.
	THE ROLE OF OCCUPATIONAL THERAPY IN LIMB RECONSTRUCTION SERVICES Steven Brown – Manchester Royal Infirmary	21 mins.
SERVICE / ROLE DEVELOPMENT	EXPANDING PRACTICE IN LIMB RECONSTRUCTION? WHERE DO THE PROFESSIONAL BOUNDARIES LIE? Mark Raven & Philippa Bridgeman University Hospitals Birmingham	16 mins.
	A CITIZENS ADVICE CLINIC WITHIN A LIMB RECONSTRUCTION SERVICE Sarah Phillips – King's College London	8 mins.



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Room 4 NURSES & ALLIED HEALTH PROFESSIONALS

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CLINICAL	ILIZAROV FRAME REMOVAL IN CLINIC – HINTS AND TIPS Maria Vincent – Northern General Hospital, Sheffield	15 mins.
	PRE- AMPUTATION CONSULTATION FOR LOWER LIMB AMPUTATION – THE FIRST STEP IN THE AMPUTATION PATIENT PATHWAY Jennifer Fulton – RNOH, Stanmore	25 mins.
A YEAR OF COVID-19	PHYSIOTHERAPY TREATMENT OF LIMB RECONSTRUCTION PATIENTS DURING THE COVID-19 CRISIS Nicola Glossop – Sheffield Teaching Hospitals	19 mins.



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Room 5 FREE PAPERS

On demand access – view at your convenience.

CATEGORY: ADULT DEFORMITY	
Correction of Charcot arthropathy foot deformities with Taylor spatial frame: 7-14 yr. follow up. (4)	Wire technique for ischaemic disease of lower limbs. (39)
Early results from our experience with the STRYDE nail- a cause for concern? (5)	Defining the anatomic axis joint centre distance (aJCD) and anatomic axis joint centre ratio (aJCR) of the distal femur in the coronal plane. (45)
Measuring quality of life in patients undergoing reconstructive procedures: an overview of the PROLLIT study. (19)	Development of a patient reported outcome measure in Limb reconstruction: pilot study assessing face validity, comprehension and relevance. (46)
Salford technique of correction of rotational deformity in lower limbs. (21)	Accuracy of Fixator assisted deformity correction in the lower limb. (51)
Time to full weightbearing following intramedullary limb lengthening is overestimated by using the Pixel Value Ratio. (26)	National Audit on Thromboprophylaxis in Intramedullary Lengthening. (43)
The Establishment of a Citizens Advice Clinic within a Limb Reconstruction Service. (30)	Auto Strut: A Novel Smart Robotic System for External Fixation Device for Bone Deformity Correction – Preliminary Result. (55)
Correction of Post traumatic deformities of lower limb using Ilizarov frame& technique. (40)	Intraoperative assessment of coronal alignment - a novel, low-cost technical trick. (57)
A systematic review exploring what is important to patients with regards to Quality of Life after lower limb reconstruction. (22)	



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Room 5 FREE PAPERS

On demand access – view at your convenience.

CATEGORY: ADULT INFECTION

Evaluation of the Accuracy of the Fluorodeoxyglucose-Positron Emission Tomography ([¹⁸F] FDG-PET CT) in the Diagnosis of Chronic Osteomyelitis. (14)

Quality of life in patients with Osteomyelitis in the UK. (23)

Pre-referral microbiology in long bone osteomyelitis. What does it tell us? (24)

Incidence of Deep Infection in Circular Frame with Minimum 1 year follow up from Frame Removal (25)

Does local implantation of gentamicin impair renal function in patients undergoing surgery for chronic osteomyelitis and fracture-related infection? (60)

Multidisciplinary Orthoplastic Management of Osteomyelitis. (38)



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Room 5 FREE PAPERS

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CATEGORY: ADULT TRAUMA

The Chertsey Experience- A Review of our Complex Trauma Referral Pathway for Ilizarov Frames. (2)	Treatment of fragility ankle fractures using hindfoot nail, a systemic review. (28)
Management of Gustillo-Anderson III B fractures in elderly patients with acute intentional deformation using Taylor spatial frame. (3)	98% union rate in long-bone fracture non-unions treated in the absence of supplementary biological therapies: a retrospective cohort study. (53)
Adjuvant Local Antibiotic Hydroxyapatite Bio-Composite in the Management of Open Gustilo Anderson IIIB Fractures. Prospective Review of 80 Patients from the Manchester OrthoPlastic Unit. (11)	A Predictive model for failure of Intra-medullary nail fixations in femur fractures. (62)
Local flaps vs. Free flaps for complex lower limb fractures: effect of flap choice on patient-reported outcomes. (12)	Ilizarov Management of Pilon Fractures. Assessment of functional and clinical outcome of patients treated at a regional centre over a 14-year period. (36)
Limb salvage and functional outcome in patients following blunt trauma to the lower limb with vascular injuries at a Major Trauma Centre. (15)	Management of segmental bone defects of the upper limb: A scoping review with data synthesis to inform decision making. (44)
Early experience of unicortical external fixation system to aim the CHAOS (Computer Hexapod Assisted Orthopaedic Surgery) technique in lower limb reconstruction surgery. (20)	Percutaneous strain reduction screws are a cost effective and reproducible method to treat long bone non-union. (64)



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Room 5 FREE PAPERS

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CATEGORY: BASIC SCIENCE

Efficacy of Pentrox during removal of Circular frames in the clinic. (6)	The effectiveness of fine wire clamping mechanism in the Taylor Spatial frame (TSF). (49)
Russian Tensioning Angle and the Impact of an Orthogonal Wire in Ilizarov Frames: A Biomechanical Study. (10)	Taylor Spatial Frame catastrophic ring failure. (50)
Finite Element Modelling of Tibial Defects Managed with a Fine Wire Fixator. (17)	Comparison of the Quality of Mechanical Axis Radiographs with EOS. (32)
Reducing the risk of ring breakage in Taylor Spatial Frames: The effect of frame configuration on strain at the half ring junction. (47)	Pentrox (Methoxyflurane) as an analgesic for removal of Circular External Fixators & minor procedures to reduce the need for general anesthesia during the COVID19 emergency. (16)



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Room 5 FREE PAPERS

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CATEGORY: PAEDIATRIC

Effectiveness of circumferential periosteal release to treat paediatric lower extremity limb-length discrepancy. (7)	The importance of Leg Length Monitoring in Developmental Dysplasia of the Hip. (58)
Supratubercular Osteotomy and Gradual Correction with Taylor Spatial Frame for the Management of Torsional Malalignment Syndrome. (8)	The outcome of treatment of congenital pseudoarthrosis of tibia. A follow up at skeletal maturity compared to recent trends. (63)
Femoral morphological changes and the role of contralateral epiphysiodesis in patients with Legg-Calvé-Perthes disease. (9)	The Use of the PRECICE Nail for Limb Lengthening in Pathological Bone Disease – a Case Series. (33)
External fixator-assisted internal fixation of pediatric femoral fractures. (13)	Is bone consolidation changed by plating after lengthening of the tibia? A review of 35 cases. (34)
Retrospective short to mid term Roye Outcome Scores of relapsed CTEV treated with gradual distraction using circular frames. (18)	Surgical Outcome Following External Fixator-Assisted Metatarsal Lengthening for Brachymetatarsia in Children. (35)
A review of the evidence for paediatric metalwork retention and removal. (48)	Correction of bowing deformities in paediatric femur and tibia by Ilizarov technique. (37)
Hemiepiphysiodesis for the treatment of coronal deformities around the knee in fibular hemimelia (FH) and proximal focal femoral deficiency (PFFD) patients. (54)	Femoral lengthening in children using Ilizarov external fixator. (41)
	3D-Printed Cutting Guides for Lower Limb Deformity Correction in the Young Population. (52)



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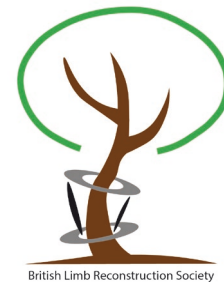


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Room 6 RESEARCH & REPORTS

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TRAVELLING FELLOWSHIP REPORT	Deepa Bose – Queen Elizabeth Hospital, Birmingham	9 mins.
THE ACTIVE TRIAL	Hemant Sharma – Hull University Teaching Hospitals	9 mins.
BLRS LEADERSHIP FELLOW 2020 REPORT	Ross Muir – Hull Royal Infirmary	9 mins.



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