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EVENT



10 - 12 MARCH

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**Dear Colleagues,**

On behalf of the UKSSB Board, I am delighted to welcome you to BritSpine 2021.

Despite the turbulence and uncertainty of the past year, this meeting has all the academic quality, varied programme and societal presence of past meetings.

However, its virtual nature offers considerable advantages in terms of personal convenience, mixed formatting, and post-event on-demand access.

The platform will give you ample opportunity to interact in real-time 'on-site' with speakers, peers, and industry partners via the web

platform. We hope that you will engage with other attendees in the Networking Lounge, try and win the 'Treasure Hunt' and attend the plenary sessions. The chat, messaging, social media functions are all available to you to maximise your ability to catch-up with friends and colleagues. Please consult the guidance notes to get the most out of the conference.

This is our first opportunity since the pandemic to showcase all the research, innovation and acquired clinical wisdom related to spine-care over the past two years. I am sure that you will enjoy this novel conference and we look forward to you joining us.

With best wishes



**Patrick Statham**  
UKSSB Chair



**Michael Grevitt**  
UKSSB Secretary



**Neil Orpen**  
UKSSB Treasurer



**Lee Breakwell**  
Past UKSSB Secretary

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## BRITSPINE Wednesday 10<sup>th</sup> March 2021

08:45 – 09:00	<b>WELCOME SESSION</b> <i>Speaker – Patrick Statham</i>				
09:00 – 10:00	<b>OPENING SESSION</b> <b>COVID / Crisis Management</b> Surgical prioritisation and the importance of networks <i>Speaker – David Cumming</i> Medical schools and training <i>Speaker - Alison McGregor</i> Commissioning post-pandemic <i>Speaker – Andrew Bennett</i> Covid-19: The Trainee Perspective <i>Speaker – Zac Silk</i>  <i>Moderator – Patrick Statham</i>				
10:00 – 11:00	<b>PLENARY SESSION - Online/Virtual Consultations</b>  <i>Speakers – Alka Ahuja, Gemma Johns, Grieg Nicol and Diarmaid Ferguson</i>  <i>Moderators - Naffis Anjarwalla and Jerry Draper-Rodi</i>	10:00 – 11:00	<b>PAPER SESSION - Lumbar degenerative</b>  <i>Moderators – Rohit Shetty and Simon Clarke</i>  <b>0027</b> - Validity of "Appropriate Use Criteria" for surgery in degenerative spondylolisthesis: a prospective, controlled, multicentre study <i>Presenter Anne F. Mannion</i>  <b>0069</b> - Impact of adjuvant spinal anaesthesia on early outcomes of multi-level lumbar decompression surgery <i>Presenter Shreedhar Aranganathan</i>  <b>0071</b> - Early-to-moderate disc degeneration does not affect inter-vertebral motion in asymptomatic controls <i>Presenter Alexander Breen</i>  <b>0087</b> - Over Reporting Disc Herniation by Radiologists in Lumbar Spine MRI's Performed for Patients with Spondylolisthesis <i>Presenter Hossein Elgafy</i>  <b>0181</b> - Prognostic factors associated with walking ability after surgery for lumbar spinal stenosis: A systematic review <i>Presenter Suzanne Mcilroy</i>  <b>0257</b> - Prognostic indicators of surgical outcome in painful foot drop: a systematic review and meta-analysis of observational studies <i>Presenter Fozia Saeed</i>  <b>0328</b> - A stitch in time saves nine - comparative analysis of spinal dural tear repair surgery <i>Presenter Charles Taylor</i>  <b>0409</b> - Rate and Risk Factors for 5-year Postoperative Disc Herniation after Lumbar Decompressive Surgery: Analysis of 1656 cases <i>Presenter Jonathan Geere</i>	10:00 – 10:45	<b>PAPER SESSION - Fundamental science</b>  <i>Moderators - Clare Ryan and Valerie Sparkes</i>  <b>0143</b> - Regenerative characteristics of NC cells for the treatment of lower back pain <i>Presenter Shaghayegh Basatvat</i>  <b>0156</b> - A caprine model of intervertebral disc degeneration: a testing platform for an injectable hydrogel <i>Presenter Joseph Snuggs</i>  <b>0186</b> - The Human Enthesis Harbours Resident Adaptive Cd4+ And Cd8+ T-Cells With Inducible Il-17a And Tnf Protein In A Novel In Vitro Enthesitis Model <i>Presenter Hannah Rowe</i>  <b>0316</b> - M2 Macrophage Upregulation By Calcium Phosphate With Submicron Topography Promotes Angiogenesis And Osteogenic Differentiation In Vitro <i>Presenter Lukas van Dijk</i>  <b>0322</b> - Amyloid deposits in the ligamentum flavum related to lumbar spinal canal stenosis and lumbar disc degeneration <i>Presenter Mustafa Al Yaseen</i>
11:00 – 11:30	<b>BREAK</b>				

## BRITSPINE Wednesday 10<sup>th</sup> March 2021 (continued)

11:30 – 12:00	<b>PAPER SESSION – Impact of COVID</b>	11:30 – 12:00	<b>PAPER SESSION – Innovation &amp; technology</b>	11:30 – 12:00	<b>PAPER SESSION - Conservative therapies I</b>
	<i>Moderators – Neil Chiverton and Suzie McIlroy</i>		<i>Moderators – Tony Bateman and Niall Eames</i>		<i>Moderators – Jim Greenwood and Louise White</i>
	<b>0324</b> - Patient and Neurosurgeon perceptions of virtual neurosurgery consultations in the COVID-19 era: A prospective mirror-survey evaluation study <b>Presenter Saisunder Chaganty</b>		<b>0164</b> - Feasibility & Costing study of bone harvest during lumbar spine surgery for subsequent use as fresh frozen allograft <b>Presenter Ramesh Dalwai</b>		<b>0062</b> - Predictors of analgesic dependence among patients with spinal pain <b>Presenter Romaana Kapadi</b>
	<b>0353</b> - Restoration of elective Spine surgery in the UK during COVID-19 Recovery Phase: A Multi-centre BASS Collaborative Prospective Longitudinal Study <b>Presenter Riaz Mohammed</b>		<b>0213</b> - Ultrasonic bone cutting device use in spinal surgery: a systematic review <b>Presenter Mark Maher</b>		<b>0074</b> - How effective is physiotherapy for people with sciatica? A systematic review and meta-analysis <b>Presenter Lucy Dove</b>
	<b>0378</b> - Spinal Rehabilitation During Coronavirus Restrictions: Challenges and Experiences of Piloting a Virtual Back Group <b>Presenter Ruth Newsome</b>		<b>0288</b> - Application of Full Spinal Endoscopy for the treatment of Thoracic Disc Prolapse and other pathologies <b>Presenter Rory Gibson</b>		<b>0105</b> - The clinical and cost effectiveness of radiofrequency denervation for chronic, moderate to severe low back pain: RADICAL randomised controlled trial protocol <b>Presenter Nadine E Foster</b>
	<b>0406</b> - The impact of the COVID-19 pandemic first national lockdown on emergency referrals to a tertiary referral spine centre. <b>Presenter Antonia Isaacson</b>		<b>0351</b> - Robotic Assisted Versus Fluoroscopic Guided Approach In Pedicle Screw Insertion: A Systematic Review And Meta-Analysis <b>Presenter Tan Tze Khiang</b>		<b>0394</b> - Physiotherapists' awareness, knowledge and confidence in screening and referral of suspected axial spondyloarthritis: A survey of UK clinical practice <b>Presenter Eliza Steen</b>
	<b>0415</b> - Safety of corticosteroid injections during the COVID-19 pandemic – a retrospective observational study. <b>Presenter Rory Fairhead</b>				
12:00 – 12:30	<b>PLENARY SESSION- Aging Spine BOOST Trial</b>	12:00 – 12:30	<b>PLENARY SESSION Reports - BOA Clinical Leaders Programme - Spine Fellows</b>	12:00 – 12:30	<b>PAPER SESSION - Care pathways</b>
	<b>Speaker – Sallie Lamb</b>		<b>Reports STIG</b>		<i>Moderators – Jim Greenwood and Michelle Angus</i>
	<i>Moderators - Elaine Buchanan and Jerry Draper-Rodi</i>		<b>Speakers – Alex Goubran, Alexander Durst and Sheweidin Aziz</b>		<b>0031</b> - Patients' experiences of a new UK sciatica pathway. A qualitative, interpretative study. <b>Presenter Clare Ryan</b>
			<b>Reports BOA CLP</b>		<b>0092</b> - The Watching Pregnancy Project: LBP occurrence, symptoms and healthcare use from 20-weeks' gestation until 6-months after birth <b>Presenter Sarah Liddle</b>
			<b>Speakers – Tony Bateman and Antonia Isaacson</b>		<b>0130</b> - The acceptance of clinical decision support systems among clinicians in the treatment of neck and/or back pain in primary and secondary care. <b>Presenter Stephanie Jansen-Kosterink</b>
			<i>Moderators – Lee Breakwell and Niall Eames</i>		<b>0335</b> - Developing a pathway for the management of patients presenting with suspected myelopathy in secondary care. <b>Presenter Holly Clarke</b>

## BRITSPINE Wednesday 10<sup>th</sup> March 2021 (continued)

<p><b>12:30 – 13:00</b></p>	<p><b>PLENARY SESSION - Management of acute vertebral and sacral fractures in older people - the role of the spinal surgeon</b></p> <p><b>Speaker - Opinder Sahota</b></p> <p>Moderator – Mike Grevitt</p>	<p><b>12:30 – 13:00</b></p>	<p><b>PAPER SESSION - Adult deformity &amp; fusion</b></p> <p>Moderators – Niall Eames and Rajat Verma</p> <p><b>0198</b> - Opioid free analgesia in posterior lumbar fusion surgery to enhance recovery <b>Presenter Aashish Ghodke</b></p> <p><b>0206</b> - Minimally Invasive Lateral Lumbar Interbody Fusion for Adult Spinal Deformity: Efficacy and Complications According to MISLAT classification. <b>Presenter Dheeraj Batheja</b></p> <p><b>0285</b> - Risk Factors for Distal Junctional Failure in Long Construct Instrumentation for Adult Spinal Deformity <b>Presenter Jake McDonnell</b></p> <p><b>0333</b> - Retrospective Evaluation of Spinal Fusion Using a Biphasic Calcium Phosphate Bone Graft with a Novel Submicron Surface Topography <b>Presenter Kornelis Poelstra</b></p>	<p><b>12:30 – 13:00</b></p>	<p><b>PAPER SESSION - Conservative therapies II</b></p> <p>Moderators – Jennifer Woolger and Michelle Angus</p> <p><b>0138</b> - The usage of patient-reported data in machine learning to predict pain rehabilitation: possible or not? <b>Presenter Wendy Oude Nijeweme - d'Hollosy</b></p> <p><b>0229</b> - State anxiety improves prediction of pain and pain-related disability after 12 weeks in patients with acute low back pain: a cohort study <b>Presenter Joannes M Hallegraef</b></p> <p><b>0395</b> - Patient journey following lumbar discectomy surgery: A qualitative analysis of the patient rehabilitation experience using patient diaries. <b>Presenter Karl Baraks</b></p>
<p><b>13:00 – 14:00</b> <b>LUNCH</b></p>					



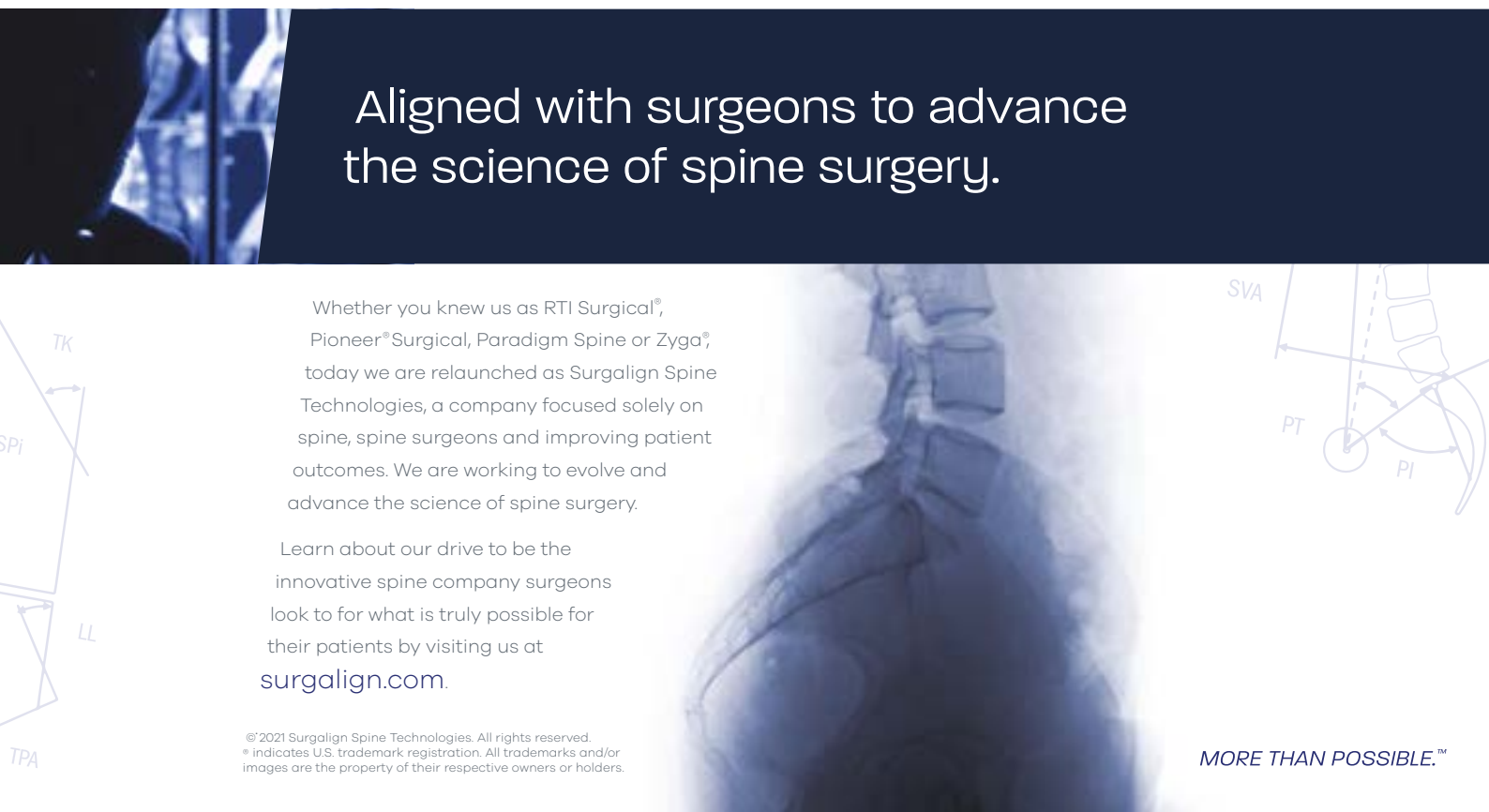
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## BRITSPINE Wednesday 10<sup>th</sup> March 2021 (continued)

14:00 – 14:45	<p align="center"><b>KEYNOTE SESSION</b>  <b>Harnessing neural plasticity for recovery of motor function following spinal cord injury</b>  <b>Speaker - Rob Brownstone</b>  <b>Moderator – Naveen Kumar</b></p>				
14:45 – 15:45	<p><b>PLENARY SESSION - Evidence for intervention in Spinal Cord Injury</b></p> <p>The effects of timing of spinal surgery after traumatic spinal cord injury: An evidence update  <b>Speaker - Joost van Middendorp</b></p> <p>Prognostic indicators of neurological recovery following traumatic SCI  <b>Speaker - Wagih El Masri</b></p> <p><i>Moderators - Alan McLean and Ali Jamous</i></p>	14:45 – 15:30	<p><b>PAPER SESSIONS - Cauda Equina Syndrome</b></p> <p><i>Moderators - Arup Ray and Michelle Angus</i></p> <p><b>0128</b> - Urodynamic post-residual urine volume value in Cauda equina syndrome assessment (A Meta-analysis study).  <b>Presenter Joseph Gamal Bokter</b></p> <p><b>0162</b> - Understanding Cauda Equina Syndrome: A UK multicentre prospective observational cohort study  <b>Presenter Julie Woodfield</b></p> <p><b>0188</b> - Invisible Disabilities – Do I need rehabilitation when I am walking? Specialist Inpatient Rehabilitation for Ambulant Patients with Cauda Equina Syndrome (CES)  <b>Presenter William Goodison</b></p> <p><b>0192</b> - What impact has the 2019 GIRFT report had on Out of Hours MRI access for Cauda Equina Syndrome in England.  <b>Presenter Rajan Jandoo</b></p> <p><b>0339</b> - Diagnostic accuracy of digital rectal examination in detecting cauda equina compression in people presenting with acute cauda equina syndrome. A systematic review with meta-analysis.  <b>Presenter Julia Tabrah</b></p>		
15:45 – 16:15	<p align="center"><b>BREAK</b></p>				
16:15 – 16:45	<p><b>PLENARY SESSION - Diversity and Opportunities</b></p> <p>BOA Perspective  <b>Speaker - Deborah Eastwood</b></p> <p>Women in Spine Surgery -  <b>Speaker - Hui-Ling Kerr</b></p> <p>BASS Perspective  <b>Speaker - Sashin Ahuja</b></p> <p><i>Moderator - Naffis Anjarwalla</i></p>	16:15 – 16:45	<p><b>PAPER SESSION - Infection</b></p> <p><i>Moderators – Aprayjay Golash and Mark Thomas</i></p> <p><b>0111</b> - Spontaneous pyogenic spondylodiscitis: Is Spinal Biopsy must in all cases?  <b>Presenter Sanket Gandhi</b></p> <p><b>0310</b> - A proposed classification based on surgical treatment strategies for reconstruction of the lumbosacral spine in advanced lumbosacral tuberculous spondylodiscitis.  <b>Presenter Aju Bosco</b></p>	16:15 – 17:15	<p><b>PAPER SESSION - Paediatric deformity I</b></p> <p><i>Moderators – Ashley Cole and Neil Oxborrow</i></p> <p><b>0068</b> - Reducing surgical site infection in complex paediatric spinal surgery through the use of an infection bundle  <b>Presenter Nicolas Beresford-Cleary</b></p> <p><b>0112</b> - What is the need of the High Dependency Unit in adolescent idiopathic scoliosis surgery?  <b>Presenter Debashis Dass</b></p> <p><b>0169</b> - Vertebral body tethering in Adolescent Idiopathic Scoliosis. A prospective look at early intra-operative, radiological and patient reported outcomes of a single surgeon series.  <b>Presenter George McKay</b></p>

## BRITSPINE Wednesday 10<sup>th</sup> March 2021 (continued)

16:15 – 16:45			<p><b>0349</b> - Management of Deep Spinal Infections – a Regional Tertiary Centre Experience <b>Presenter Wing Sum Lao</b></p>	<p><b>0209</b> – Enhanced Recovery After Surgery (ERAS) in Adolescent Idiopathic Scoliosis (AIS) – A Systematic Review <b>Presenter Akshay Gadiya</b></p> <p><b>0232</b> - Reducing dependency on critical care support in adolescent idiopathic scoliosis (ais) surgery: a criteria-based pathway <b>Presenter Siddharth Shah</b></p> <p><b>0294</b> - A 3D cluster analysis classification of adolescent idiopathic scoliosis using spine and torso parameters. <b>Presenter Adrian Gardner</b></p> <p><b>0298</b> - What does a diagnosis of AIS and Scheuermann's kyphosis do to the coronal and sagittal balance of the individual? <b>Presenter Adrian Gardner</b></p> <p><b>0376</b> - Specific Sagittal Alignment Patterns Are Already Present in Mild Adolescent Idiopathic Scoliosis <b>Presenter Tom Schlösser</b></p>
16:45 – 17:30	<p><b>PLENARY SESSION – Cauda Equina Syndrome - An Update</b></p> <p>The CES Framework for Primary Care <b>Speakers - Elaine Buchanan</b></p> <p>A Primary Care Perspective <b>Speaker - Christopher Mercer</b></p> <p>The Royal College of Emergency Medicine Perspective <b>Speaker - Daniel Horner</b></p> <p>Moderators - Michelle Angus and Naveed Yasin</p>	16:45 – 17:30	<p><b>PAPER SESSION - Cervical degenerative I</b></p> <p>Moderators - Paul Thorpe and Senthil Selvanathan</p> <p><b>0058</b> - Recurrent Laryngeal Nerve Palsy Following Anterior Cervical Discectomy and Fusion – the current UK practice. <b>Presenter Syed Shumon</b></p> <p><b>0091</b> - Integrity test for the assessment of whiplash-associated disorders <b>Presenter Helios De Rosario</b></p> <p><b>0118</b> - The effects of Ligamentum Flavum Unbuckling (LFU) on indirect posterior cervical decompression in a multicentre retrospective cohort study <b>Presenter Joseph Davids</b></p> <p><b>0170</b> - Does Surgery for Cervical Spondylotic Myelopathy produce Improvements in Function? Findings of the British Spine Registry <b>Presenter Ravindran Visagan</b></p> <p><b>0282</b> - Can Co-Authorship Networks Be Used to Predict Author Research Impact? A Machine Learning-Based Analysis of Degenerative Cervical Myelopathy Research <b>Presenter Ben Grodzinski</b></p>	



## BRITSPINE Thursday 11<sup>th</sup> March 2021

08:30 – 09:30	<p style="text-align: center;"><b>PLENARY SESSION</b>  <b>Ongoing Management of Cauda Equina Syndrome</b>                  CES: a patient's perspective <b>Speaker - Jillian Harrison-White</b>                  CES: hidden disability <b>Speaker - Alan McLean</b>                  CES and SCI: the skin at risk <b>Speaker - Pradeep Thumbikat</b></p> <p style="text-align: center;"><i>Moderators – Nigel Henderson and Patrick Statham</i></p>				
09:30 – 10:30	<p style="text-align: center;"><b>KEYNOTE SESSION</b>  <b>Back pain in sport: is it the sport or the way you do it?</b>  <b>Speaker - Alison McGregor</b></p> <p style="text-align: center;"><i>Moderators – Nadine Foster and Tony Bateman</i></p>				
10:30 – 11:00	<p style="text-align: center;"><b>BREAK</b></p>				
11:00 – 11:30	<p style="text-align: center;"><b>PLENARY SESSION - Spinal Disorders</b></p> <p style="text-align: center;">Management of Spinal Disorders in Rugby Players  <b>Speaker - Richard Nelson</b></p> <p style="text-align: center;"><i>Moderator - Ed Seel</i></p>	11:00 – 12:00	<p style="text-align: center;"><b>PLENARY SESSION - Research and Clinical Management of Pain</b></p> <p style="text-align: center;">Spinal Cord Stimulation  <b>Speaker - Ganesan Baraniharan</b>                  Psychologist  <b>Speaker - Whitney Scott</b>                  Pain Pathways  <b>Speaker - David Hughes</b></p> <p style="text-align: center;"><i>Moderators - Karen Wellington and Naffis Anjarwalla</i></p>	11:00 – 12:30	<p style="text-align: center;"><b>PLENARY SESSION - ASIA-IsCOS and classifications on Spinal Cord Injury</b></p> <p style="text-align: center;">Neurological assessment of young persons  <b>Speaker - Alison Graham</b>                  Correct classification of SCI (Pitfalls – case based discussions)  <b>Speaker - Aheed Osman</b>                  International Standards for Neurological Classification of Spinal Cord Injury  <b>Speaker - Ronald K Reeves</b>                  Correct classification of SCI (Pitfalls – case based discussions)  <b>Speaker - Srinivasa Chakravarty Budithi</b></p> <p style="text-align: center;"><i>Moderators – Naveen Kumar and J Roy Chowdhury</i></p>
12:00 – 12:30	<p style="text-align: center;"><b>PLENARY SESSION - Back Pain in Sport</b></p> <p style="text-align: center;">Prevention, Research, Rehabilitation and Surgical strategies  <b>Speaker - James Robson</b></p> <p style="text-align: center;"><i>Moderators – Elaine Buchanan and Patrick Statham</i></p>	12:00 – 12:30	<p style="text-align: center;"><b>PAPER SESSION - Surgery &amp; co-morbidities</b></p> <p style="text-align: center;"><i>Moderators - Irfan Siddique and Nick Haden</i></p> <p><b>0102</b> - Discontinuing anticoagulants for spinal injections: is it necessary?  <b>Presenter Samuel Haines</b></p> <p><b>0236</b> - Comparison of clinical outcomes and complications after minimally invasive extreme lateral interbody fusion based on body mass index  <b>Presenter Carlos De La Torre</b></p> <p><b>0404</b> - Best Practice Tariffs: the key to improving data entry in the British Spine Registry  <b>Presenter Awais Habeebullah</b></p> <p><b>0421</b> - Impact of Parkinsonism in Spinal Surgery  <b>Presenter Davor Dasic</b></p>		
12:30 – 13:30	<p style="text-align: center;"><b>LUNCH</b></p>				

## BRITSPINE Thursday 11<sup>th</sup> March 2021 (continued)

13:30 – 15:00	<p><b>PLENARY SESSION - Combined Physical and Psychological Programme</b></p> <p><b>Speakers - Adam Dobson, Amy Thomas, David Rogers, Esther Williamson, Ruth Newsome and Tom Enfield</b></p> <p>Moderators – James Greenwood and Louise White</p>	13:30 – 14:00	<p><b>PAPER SESSION – Spinal cord injury &amp; trauma I</b></p> <p>Moderators - J Roy Chowdhury and Kia Rezajooi</p> <p><b>0175</b> - ASIA A traumatic cervical spinal cord injury conversion rates in Scotland <b>Presenter Amanda Aw</b></p> <p><b>0248</b> - Polytrauma with spinal cord injury: challenges and scope for doing things differently? <b>Presenter Manish Desai</b></p> <p><b>0268</b> - The outcomes of both conservative and surgically managed spinal ankylosing spondylitis fractures. <b>Presenter Ming Huay Chin</b></p>	13:30 – 14:00	<p><b>PAPER SESSION Cervical degenerative II</b></p> <p>Moderators - Ashish Khurana and Calan Mathieson</p> <p><b>0010</b> - Does Preoperative Inferior Endplate Morphology Influence Outcomes of Cervical Disc Arthroplasty at C5/6 Level: A Retrospective Study <b>Presenter Xu Hu</b></p> <p><b>0040</b> - A randomized controlled trial comparing efficacy and safety of ProDisc®C implant to anterior cervical discectomy and fusion (ACDF) in treating symptomatic cervical disc disease (SCDD) <b>Presenter Naresh kumar</b></p> <p><b>0083</b> - Clinical and Radiological Outcomes of Single-level Cervical Disc Arthroplasty in the Patients with Preoperative Reversible Kyphosis: A Matched Cohort Study <b>Presenter Xu Hu</b></p> <p><b>0291</b> - Is there an argument for implant related cost reduction in ACDF? A-retrospective comparative review of complication profile between PEEK-cages and Zero- P cage screw constructs. <b>Presenter Balakumar Balasubramanian</b></p>
		14:00 – 15:00	<p><b>Joint BASS and NASS PLENARY SESSION Endoscopy</b></p> <p><b>Magdy Youssef, Alastair Gibson, Jin-Sung Luke Kim, Christoph Hofstetter, Birender Balain Ralf Wagner, Michael Wang and Charles Reitman</b></p>	14:00 – 14:45	<p><b>PAPER SESSION - Paediatric deformity II</b></p> <p>Moderators – Masood Shafafy and Neil Davidson</p> <p><b>0182</b> - The Scoliosis Service in Northern Ireland: A Blueprint for Service Improvement <b>Presenter Ciaran Doherty</b></p> <p><b>0199</b> - Effectiveness of the Ultrasonic Bone scalpel Ponte Osteotomy (UBSPO) in posterior correction of Lenke Type 1 Adolescent Idiopathic Scoliosis (AIS) <b>Presenter Ali Shetaiwi</b></p> <p><b>0283</b> - Index radiographic measurements in the prediction of progression in infantile idiopathic scoliosis; a comparative analysis and description of a novel predictive model <b>Presenter Adam Lloyd</b></p> <p><b>0299</b> - The long term results of surgery for AIS. A longitudinal study using SRS-22 outcome scores from the British Spine Registry. <b>Presenter Adrian Gardner</b></p> <p><b>0396</b> - The Alder Hey experience of 44 patients treated with magnetically-controlled growing rods in the treatment of early onset scoliosis with mean follow-up of 4.1 years <b>Presenter Ahmed Abdelaal</b></p> <p><b>0412</b> - A comparison in patient reported outcomes in patients undergoing anterior or posterior correction of scoliosis <b>Presenter Hafsa Abdullahi</b></p>
15:00 – 15:30	<b>BREAK</b>				

## BRITSPINE Thursday 11<sup>th</sup> March 2021 (continued)

<p><b>15:30 – 16:15</b></p>	<p><b>PLENARY SESSION - Update Session - PHIN, informed consent and negligence</b></p> <p>Private Healthcare Information Network (PHIN)</p> <p><b>Speaker – Matt James</b> Informed consent and negligence</p> <p><b>Speaker – Simon Britten</b></p> <p>Moderators – Neil Chiverton and Peter Millner</p>	<p><b>15:30 – 16:15</b></p>	<p><b>PLENARY SESSION - Enabling Successful Research: The art of collaboration</b></p> <p><b>Speakers – Alex Breen, Damien Lacroix and Siobhan Stynes</b></p> <p>Moderators - Christine Le Maitre and Janet Dean</p>	<p><b>15:30 – 15:55</b></p>	<p><b>PAPER SESSION - Fragility fractures &amp; miscellany</b></p> <p>Moderators - Mike Grevitt and Opinder Sahota</p> <p><b>0293</b> - Pedicle screw insertion - an educational assessment of accelerated learning <b>Presenter Bisola Ajayi</b></p> <p><b>0346</b> - Vertebral augmentation for painful type 4 osteoporotic compression fractures: a comparative study. <b>Presenter Ricardo Rodrigues</b></p> <p><b>0399</b> - Implementation &amp; Adoption of Streamlined Acute Vertebral Fracture Compression (VCF) Pathway <b>Presenter Vicki Pilkington</b></p>
				<p><b>15:55 – 16:20</b></p>	<p><b>PAPER SESSION - Spinal cord injury &amp; trauma II</b></p> <p>Moderators – Aheed Osman and Almas Khan</p> <p><b>0271</b> - Management and outcomes of DISH fractures in the West of Scotland. A 17 years' experience. <b>Presenter Cullen McCulloch</b></p> <p><b>0330</b> - Feasibility, safety and outcomes of treatment of neglected post-traumatic AO type F4 injuries of the subaxial cervical spine using the Anterior-Posterior-Anterior approach <b>Presenter Aju Bosco</b></p> <p><b>0350</b> - Thoracolumbar Injury Classification Systems in Pediatric Patients <b>Presenter Smrithi Sriram</b></p>
<p><b>16:15 – 17:00</b></p>	<p><b>PLENARY SESSION - Registry &amp; Audit</b></p> <p><b>Speakers - David Bell and Robert Lee</b></p> <p>Moderator - Mike Hutton</p>	<p><b>16:15 – 17:00</b></p>	<p><b>PLENARY SESSION - Reports - SBPR Fellows</b></p> <p>Moderators – Siobhan Stynes and Janet Deane</p>	<p><b>16:20 – 17:00</b></p>	<p><b>PLENARY SESSION - NBP-CN Implementation Session</b></p> <p><b>Speakers - Kay Stevenson and Phil Ackerman</b></p> <p>Moderators – Jim Greenwood and Suzie McIlroy</p>
<p><b>17:00 – 17:30</b></p>	<p><b>KEYNOTE SESSION</b></p> <p><b>Spinal Cord Injury in a Professional Rugby Player my Perspective</b></p> <p><b>Speaker - Gwyn Jones</b></p> <p>Moderator - Sashin Ahuja</p>				
<p><b>17:30 – 18:00</b></p>	<p><b>UKSSB GM</b></p>				

## BRITSPINE Friday 12<sup>th</sup> March 2021

08:30 – 09:00	<p><b>PLENARY SESSION - Growing Spine</b></p> <p>MAGEC Rod  <b>Speakers - Colin Nnadi and Neil Davidson</b>                      VBT  <b>Speakers - Thanos Tsirikos and Vinay Jasani</b></p> <p><i>Moderators – Jonathan Lucas and Matthew Newton Ede</i></p>	08:30 – 10:00	<p><b>PLENARY SESSION - Radicular Pain Pathway</b></p> <p>What can we learn from patients experiences of limbo sacral Radicular pain?  <b>Speaker – Michael Reddington</b></p> <p>Stratified Care for Sciatica in Primary Care: Findings from the SCOPIC Trial  <b>Speaker – Nadine Foster</b></p> <p><i>Moderators - Christine Comer and Elaine Buchanan</i></p>
09:00 - 09:30	<p><b>PLENARY SESSION - Adult Spinal Deformity</b></p> <p><b>Speaker – Sashin Ahuja</b></p> <p><i>Moderator – Peter Millner</i></p>		
09:30 - 10:00	<p><b>PLENARY SESSION - VBT</b></p> <p><b>Speaker - Jason Bernard</b></p> <p><i>Moderator - Peter Loughenbury</i></p>		
10:00 – 10:30	<b>BREAK</b>		
10:30 - 11:30	<p><b>PLENARY SESSION - Political Update</b></p> <p>Clinical Reference Group  <b>Speaker - David Cumming</b>                      GIRFT  <b>Speaker - Mike Hutton</b>                      MDR/ODEP/Beyond Compliance  <b>Speaker – Stuart Blagg</b></p> <p><i>Moderators – Ashley Cole and Lee Breakwell</i></p>	10:30 - 11:30	<p><b>PLENARY SESSION - Navigating the terrain: Cohesive communication throughout the back pain pathway</b></p> <p><b>Speakers - Diarmaid Ferguson and Matt Low</b></p> <p><i>Moderator - Suzie McIlroy</i></p>
11:30 – 12:00	<p><b>PLENARY SESSION - NICE Guidelines Revisited</b></p> <p>Vertebroplasty and kyphoplasty in the management of osteoporotic vertebral fractures: A Summart of current knowledge  <b>Speaker - Neil Chiverton</b></p> <p>Low Back Pain and Sciatica NG59  <b>Speaker - Michelle Angus</b></p> <p><i>Moderators – Stuart Blagg and Tim Germon</i></p>	11:30 – 12:00	<p><b>PLENARY SESSION - NERVES Trial</b></p> <p><b>Speaker - Martin Wilby</b></p> <p><i>Moderator - Michael Reddington</i></p>
12:00 – 13:00	<b>LUNCH</b>		

## BRITSPINE Friday 12<sup>th</sup> March 2021 (continued)

13:00 – 13:30	<p><b>PLENARY SESSION - NICE Guidelines Revisited (cont.)</b></p> <p><b>Speaker - Mel Grainger</b></p> <p>Moderators – Stuart Blagg and Tim Germon</p>	13:00 – 14:00	<p><b>PLENARY SESSION - Future of Back Pain Therapy</b></p> <p><b>Speaker - Christine Le Maitre</b></p> <p>Moderators – Alex Breen and Valerie Sparkes</p>
13:30 – 14:30	<p><b>PAPER SESSION - Spinal oncology</b></p> <p>Moderators - Jeremy Reynolds and Marcin Czyz</p> <p><b>0039</b> - Surgical Aggressiveness Index (SAI) in surgery for spinal metastases <b>Presenter Naresh Kumar</b></p> <p><b>0090</b> - Preliminary results of vertebral body cemented stent for anterior column support in surgical treatment of metastatic spinal cord compression (MSCC) of thoraco-lumbar spine <b>Presenter Riaz Mohammed</b></p> <p><b>0168</b> - Malignant spinal cord compression in the paediatric population-a systematic review, metaanalysis and formulation of national guidelines <b>Presenter Nigil Palliyil</b></p> <p><b>0261</b> - Evaluation of metastatic spinal cord compression (MSCC) referral pathway at a regional referral centre <b>Presenter Jibin Francis</b></p> <p><b>0295</b> - The Outcome of Expandable Titanium Cages in Vertebral Compression Fractures Caused by Myeloma <b>Presenter Surya Gandham</b></p> <p><b>0327</b> - Can MRI be used as a safe and expedient option for calculating Spinal Instability Neoplastic Score (SINS) for patients with metastatic spinal cord compression? <b>Presenter Adrian Gardner</b></p> <p><b>0336</b> - Spinal cord Compression Outcomes Of Treatment (SCOOT) Delphi Study <b>Presenter Sheweidin Aziz</b></p> <p><b>0358</b> - Comparison of stereotactic radiosurgery, surgery and conventional external beam radiotherapy for the treatment of spinal oligometastatic disease: A Systematic Review <b>Presenter Priyanshu Saha</b></p>	14:00 – 14:45	<p><b>PAPER SESSION - Best of the Best Papers</b></p> <p>Moderators - Mike Grevitt and Neil Orpen</p> <p><b>0059</b> - Spinal Fusion post NICE guidance – shall we pick up the baton? <b>Presenter Nadine E Foster</b></p> <p><b>0070</b> - The clinical and cost-effectiveness of a stratified care model for patients with sciatica: the SCOPiC randomised controlled trial RCT (ISRCTN75449581) <b>Presenter Kika Konstantinou</b></p> <p><b>0085</b> - Fibular Allograft as a Salvage Option in Revision Pedicle Screw Fixation <b>Presenter Hossein Elgafy</b></p> <p><b>0131</b> - Assessment of clinically relevant measures for injection of intervertebral disc therapies <b>Presenter Andrew Dixon</b></p> <p><b>0348</b> - Reducing Uncertainty in Anterior Vertebral Body Tethering: Predicting Postoperative Curvature with Fulcrum Bending Radiographs <b>Presenter Zacharia Silk</b></p> <p><b>0375</b> - Spinal Chest Intrusion and Bronchial Narrowing In Relation To Pulmonary Function in Adolescent Idiopathic Scoliosis <b>Presenter Tom Schlösser</b></p>
14:30 – 15:30	<p><b>Joint BASS and AOSpine PLENARY SESSION - Neoadjuvant Therapies for Spinal Metastases</b></p> <p>Genomics <b>Speaker - Andrew Beggs</b></p> <p>Initial Experience with Proton Beam Radiotherapy in Spinal Sacral Primary Bone Sarcomas <b>Speaker - Catherine Coyle</b></p> <p>Moderators – Jeremy Reynolds and Marcin Czyz</p>		
15:30 – 16:30	<p><b>KEYNOTE SESSION (in collaboration with AOSpine)</b> <b>Enbloc resection in the spine: Advantages, disadvantages, new perspective</b> <b>Speaker – Stefano Boriani</b></p> <p>Moderator – Mel Grainger</p>		
16:30 – 17:00	<p><b>PRIZES AND CLOSING SESSION</b> <b>Speakers - Mike Grevitt and Patrick Statham</b></p>		

## Poster Presentations

Reference No.	Track	Presenting Author	Presenter Organisation	Title
0061	Surgical Treatment / Intervention	Naomi Slator	Leeds General Infirmary	Nonagenarians and Spinal Surgery – Our Experience
0082	Surgical Treatment / Intervention	Xu Hu	West China hospital, Sichuan university	Cervical Disc Arthroplasty versus Anterior Cervical Discectomy and Fusion for the Treatment of Single-level Disc Degenerative Disease with Reversible Kyphosis
0114	Surgical Treatment / Intervention	Suzanne McIlroy	King's College Hospital NHS Foundation Trust	Pre-operative factors predicting walking ability following posterior decompression for lumbar spinal stenosis. A study from the British Spinal Registry
0119	Surgical Treatment / Intervention	Antonia Isaacson	University of North Midlands	Validation of four pre-operative risk prediction scoring systems in spinal surgery.
0161	Surgical Treatment / Intervention	Riaz Mohammed	Salford Royal NHS Foundation Trust	Does Instrumentation Of The Fractured Level In Thoracolumbar Fixation Affect The Radiological And Functional Outcome? A comparative prospective study.
0163	Surgical Treatment / Intervention	Rakesh Dhake	Centre for Spinal Studies and Surgery, Queen's Medical Centre, Nottingham University Hospitals NHS Trust	Operative Management Of Giant Calcified Thoracic Disc Herniations And Use Of Intraoperative Neuromonitoring (IONM)
0176	Surgical Treatment / Intervention	Rakesh Dhake	Centre for Spinal Studies and Surgery, Queen's Medical Centre, Nottingham University Hospitals NHS Trust	Intraoperative Neuromonitoring in Treatment of Patients with Giant Calcified Thoracic Disc Herniations (GCTDH): A Systematic Review
0185	Surgical Treatment / Intervention	Rathan Jeyapalan	Northern General Hospital, Sheffield	Back pain outcomes in single level lumbar spine surgery – a registry study
0227	Surgical Treatment / Intervention	Khai Lam	London Bridge Hospital	Novel combined double-incision technique for Extreme Lateral Interbody Fusion (ELIF) and Antero-Lateral Anterior Lumbar Interbody Fusion (AL-ALIF) in the lateral decubitus position for degenerative scoliosis
0234	Surgical Treatment / Intervention	Laura Pradini-Santos	National Hospital for Neurology and Neurosurgery	C5 Nerve Palsy after Cervical Spine Surgery: Towards a Predictive Scoring Tool
0255	Surgical Treatment / Intervention	Galateia Katzouraki	Centre for Spinal Studies and Surgery, Queen's Medical Centre, Nottingham University Hospitals NHS Trust	Long-term outcome after surgery for Chiari malformation in pediatric scoliosis
0267	Surgical Treatment / Intervention	Ali Elhag	Department of Neurosurgery, King's College Hospital, SE5 9RS	Surgery for Degenerative Lumbar Spondylolisthesis: Does the British Spine Registry inform Decision Making
0286	Surgical Treatment / Intervention	Harry Sharples	University of Liverpool	Outcomes after cervical spinal fixation in patients with Ehlers Danlos Syndrome and Hypermobility Spectrum Disorder treated abroad
0301	Surgical Treatment / Intervention	Neil Malhotra	Department of Neurosurgery, Perelman School of Medicine at the University of Pennsylvania	Charlson Comorbidity Index Score Is Associated with 90-Day Return to Surgery Following Endoscopic Discectomy for Far Lateral Disc Herniation
0332	Surgical Treatment / Intervention	Samuel Wreghitt	Department of Neurosurgery, Austin Health, Melbourne, Victoria, Australia;	360 Fusion of Monosegmental Traumatic Thoracolumbar fracture with associated Spinal Cord Injury: Does an Mini-Open Anterior Corpectomy add to the operative morbidity? Surgical Case Series
0341	Surgical Treatment / Intervention	Elizabeth Headon	Lewisham & Greenwich NHS Trust	Assessing the validity of a temperature sensor to monitor patient adherence to cervical spine orthosis wear time.
0344	Surgical Treatment / Intervention	Rory McCabe	Queen Elizabeth Hospital Birmingham	Routine in-hospital radiographs following anterior cervical discectomy and fusion surgery: neither necessary nor cost-effective?
0355	Surgical Treatment / Intervention	Brett Rocos	Hospital for Sick Children	What is the optimal surgical method for achieving correction and avoiding neurological complications in paediatric high-grade spondylolisthesis?
0365	Surgical Treatment / Intervention	Devika Rajashekar	Queen's Hospital, Romford	CT guided spine biopsy for the diagnosis of malignancy and infection
0367	Surgical Treatment / Intervention	Mangattil Rajesh	Department of Spinal Surgery, Royal London Hospital	Safety and reliability of NanOss in paediatric scoliotic deformity corrections
0374	Surgical Treatment / Intervention	Khandkar Ali Kawsar	St. Georges Hospital London	A novel quantitative study of Hounsfield Units of CT artefact and proposition of a grading system comparing carbon vs titanium pedicle screws in MSCC.

## Poster Presentations (Continued)

Reference No.	Track	Presenting Author	Presenter Organisation	Title
0381	Surgical Treatment / Intervention	Mohammad A Fallaha	Imperial College London	A systematic review of outcome measures used in randomised trials investigating spinal fusion or total disc replacement in the treatment of chronic low back pain
0382	Surgical Treatment / Intervention	Mohammad A Fallaha	Imperial College London	What are the radiological outcome measures used in randomised trials assessing surgical interventions for chronic low back pain? A systematic review
0387	Surgical Treatment / Intervention	Stuart Stokes	Hull Royal Infirmary	A modified MIS approach to spinal fixation in the multiply injured patient to reduce both blood loss and radiation exposure
0397	Surgical Treatment / Intervention	Madhumita Kolluri	University Hospitals Plymouth NHS Trust, Plymouth, UK	The effects of long-term blood-thinner usage on the operative complications and patient-reported outcome measures of elective lumbar microdecompression surgery
0401	Surgical Treatment / Intervention	Satish Nagappa	Sandwell and West Birmingham Hospitals, NHS Trust, Lyndon, West Bromwich B714HJ	Outcome of Coccygectomy using a paramedian curvilinear skin incision in adults and children with analysis of the literature focusing on post-operative wound infection
0407	Surgical Treatment / Intervention	Christos Georgios Zlatanov	Department of Neurosurgery, Athens General Hospital "Georgios Gennimatas"	Comparison of different anterior approaches to the dens
0086	Spinal Pathways / Triage / Assessment	Hossein Elgafy	University of Toledo Medical Center	Postoperative Medical Optimization after Spine and Total Joint Arthroplasty Surgery Decreases Readmission Rate
0097	Spinal Pathways / Triage / Assessment	Salman Alharthi	The University of Exeter	Assessment of the reliability of spinal muscle volume determinations and the dependence on participant position
0135	Spinal Pathways / Triage / Assessment	George Spink	Hull York Medical School	Hard collar compliance - is it an issue?
0148	Spinal Pathways / Triage / Assessment	J N Alastair Gibson	The Royal College of Surgeons of Edinburgh	Application of a universal spine nomenclature for full endoscopic spinal surgical procedures
0190	Spinal Pathways / Triage / Assessment	Andrew Dapaah	Royal Derby Spinal Centre	Bladder scanning in Cauda Equina Syndrome: Interpretation of results
0278	Spinal Pathways / Triage / Assessment	Damien Kimber	Birmingham Community Healthcare NHS FT	Cauda Equina Screening in Physiotherapy: are we asking the right questions and are we asking the questions right?
0287	Spinal Pathways / Triage / Assessment	Alex Matthews	Plymouth Hospitals NHS	Assessing the impact of a novel day surgery pathway on our national outlier status in the provision of day case lumbar decompression/discectomy
0326	Spinal Pathways / Triage / Assessment	Louise White	Queen Elizabeth Hospital Birmingham, Physiotherapy, Birmingham, United Kingdom	The patient journey following lumbar discectomy surgery: A qualitative study.
0390	Spinal Pathways / Triage / Assessment	Lianne Wood	Primary Care Centre Versus Arthritis School of Primary, Community and Social Care Keele University	A Spinal Triage Unit evaluation through COVID-19 Pandemic – outcomes and impacts.
0391	Spinal Pathways / Triage / Assessment	Lianne Wood	Primary Care Centre Versus Arthritis School of Primary, Community and Social Care Keele University	A Same Day Emergency Care (SDEC) Unit for Atraumatic Spinal Pain – Preliminary Results.
0411	Spinal Pathways / Triage / Assessment	Laura Salmon	Royal Derby Spinal Centre	A survey of smart phone and wearable technology attitudes usage in a spinal patient population
0146	Spinal Oncology	Nicolas Beresford Cleary	Nuffield Orthopaedic Centre, Oxford University Hospitals NHS Trust, Oxford, UK	Clinical response to denosumab in treatment of giant cell tumours of the spine.

## Poster Presentations (Continued)

Reference No.	Track	Presenting Author	Presenter Organisation	Title
0196	Spinal Oncology	Nigil Palliyil	The Centre for Spinal Studies and Surgery, Queens Medical Centre	Multilevel Total En-bloc Excision of Primary Chondrosarcoma of the Thoracic spine through an all Posterior Approach – Case Presentation and Systematic Review of Literature
0423	Spinal Oncology	Aju Bosco	Orthopaedic Spine Surgery Division, Institute of Orthopaedics and Traumatology, Madras Medical College, Chennai, India	Aneurysmal Bone Cysts of the spine: a proposed surgical strategy and its midterm outcomes
0056	Spinal Deformity	Raj Shah	Hull Royal Infirmary	How does reduction of isthmic spondylolisthesis restore lumbar lordosis?
0189	Spinal Deformity	Nathalie Zaidman	Royal National Orthopaedic Hospital, Stanmore	Cervical sagittal balance : a predictor of neck pain after anterior cervical spine surgery?
0214	Spinal Deformity	Pranav Shah	Department of Spinal Surgery, Royal London Hospital	A Comparison of Hybrid and All Poly-axial Pedicle Screw Construct in Correction of Idiopathic Scoliosis
0253	Spinal Deformity	Simon Roberts	Royal Victoria Infirmary, Newcastle upon Tyne	Cardiopulmonary Exercise Testing (CPET) as a predictor of postoperative outcomes following adult scoliosis surgery
0297	Spinal Deformity	Adrian Gardner	The Royal Orthopaedic Hospital	The variability of torso shape in those without spinal deformity and those with AIS or Scheuermann's kyphosis - a seven year longitudinal study.
0357	Spinal Deformity	Brett Rocos	Hospital for Sick Children	The use of halo gravity traction in severe, stiff scoliosis
0360	Spinal Deformity	Brett Rocos	Hospital for Sick Children	The use of 3 rods in correcting severe scoliosis
0377	Spinal Deformity	Ravindra Thimmaiah	The Royal Orthopaedic Hospital NHS Foundation Trust	Implications of Blood Conservation Strategies in Posterior Correction of Adolescent Idiopathic Scoliosis
0402	Spinal Deformity	Andrea Chan	St George's University Hospital	Surgeon directed spinal cord monitoring in paediatric deformity surgery: Visual observation of lower limb waveform predicts intact neurological function superior to amplitude decrease
0413	Spinal Deformity	Inigo Sanz-Pena	Department of Mechanical Engineering, Imperial College London	Rectification parameters for the digital design of scoliosis braces
0180	Spinal Cord Injury	Himanshu Sharma	Hull Royal Infirmary	International standards for neurological classification of spinal cord injury: factors influencing the completion and accuracy of documentation of neurology for patients with traumatic spinal injuries
0281	Spinal Cord Injury	Alvaro Yanez	The University of Manchester	Clinical Assessment Tools and Their Evidence Base in Degenerative Cervical Myelopathy: A Systematic Review to Inform a Core Measurement Set (AO Spine RECODE-DCM)
0007	Research	Lianne Wood	School of Primary, Community and Social Care, Keele University	Achieving consensus on the treatment targets of exercise in persistent non-specific low back pain: A modified nominal group workshop process
0012	Research	Katie Boyes	Sheffield Teaching Hospitals NHS Trust	Patient experiences of a functional goal orientated back group; What factors are important? A qualitative study.
0044	Research	Maurice Bourke	Northumbria Healthcare NHS Foundation Trust	A Qualitative Exploration of Persistent Low Back Pain Self-Management: Physiotherapy Patient Experiences
0067	Research	Alexander Breen	AECC University College	Dynamic lumbar spinal motion differs in low back pain patients when compared to controls at specific intersegmental levels
0081	Research	Hui-Ling Kerr	Gloucestershire Hospitals Foundation Trust	Comparative biomechanical study of 2 transdiscal fixation techniques for high-grade L5/S1 spondylolisthesis in a porcine model.
0096	Research	Akushla Senarath Rathnayake	Cardiff University Biomechanics & Bioengineering Centre Versus Arthritis	Development of Back-to-Fit: a digital self-management platform to help people with mechanical low back pain to be active and exercise – Physiotherapists' perspectives
0123	Research	Christine Le Maitre	Sheffield Hallam University	Injectable Hydrogel for disc regeneration study of injectability and mechanical properties in whole human intervertebral discs
0127	Research	Hui-Ling Kerr	Gloucestershire Hospitals Foundation Trust	Does disc morphology affect the success of non-operative treatment of chronic lumbar disc herniations
0139	Research	Judith Meakin	Biophysics Group, Department of Physics, The University of Exeter	Needle injection trace in intervertebral discs under cyclic loading



## Poster Presentations (Continued)

Reference No.	Track	Presenting Author	Presenter Organisation	Title
0144	Research	Rebecca Williams	Sheffield Hallam University	Thermoresponsive injectable hydrogel for delivery of notochordal cells for intervertebral disc regeneration.
0145	Research	Anfal Astek	Cardiff University	Development of Immersive Virtual Reality for Managing People with Chronic Low Back Pain – Study Protocol
0151	Research	Gael Dreher	Biedermann Motech GmbH & Co. KG	The Influence of Shape and Position of Cages on Segmental Stabilization and Bone Loading in Transforaminal Lumbar Interbody Fusion - a Finite Element Perspective
0153	Research	Polly Lama	Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University	Intervertebral disc cell clusters exhaust with increasing grades of disc degeneration
0154	Research	Polly Lama	Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University	Fragmented SLRP's and fibronectin in overloaded intervertebral disc as potential alarmins of matrix damage
0172	Research	Faheem Bhatti	University of Cambridge	Developing spinal researchers of tomorrow: initial results from a collaborative systematic review using a national student network
0204	Research	Kassem Sharif	University of Leeds	Plasmacytoid dendritic cells in the enthesis: phenotyping and function investigation
0210	Research	Kassem Sharif	University of Leeds	The role of IL-36 on resident immune and mesenchymal stem cells of the enthesis.
0256	Research	Sean Christie	Dalhousie University Division of Neurosurgery	Do patients with recurrent lumbar disc herniations fair worse with discectomy than primary operations?
0258	Research	Sean Christie	Dalhousie University Division of Neurosurgery	Are There Differences between Men and Women regarding Pre-Operative Expectations and their Post-Surgical Outcome? A Retrospective Analysis of the Canadian Spine Outcomes Research Network
0263	Research	Sean Christie	Dalhousie University Division of Neurosurgery	Can a Frailty Index for Acute Traumatic Spinal Cord Injury Predict Mortality?
0318	Research	See Yung Phang	Queen Elizabeth University Hospital, Glasgow	The radiological progression of Diffuse idiopathic skeletal hyperostosis (DISH)
0321	Research	Helen Oakes	East Kent Hospitals University NHS Foundation Trust	Pool closures during the COVID-19 pandemic and the impact on low back pain management
0400	Research	Fozia Saeed	Leeds General Infirmary	Management of foot drop secondary to lumbar degenerative disease – a UK national survey
0414	Research	Alan Breen	Centre for Biomechanics Research, AECC University College	Testing the effects of the MkVI microgravity countermeasure skinsuit for the attenuation of lumbar disc swelling in astronauts returning to the terrestrial environment
0006	Miscellaneous	Xu Hu	West China hospital, Sichuan university	Five-year Trends in Center of Rotation after Single-level Cervical Arthroplasty with Prestige-LP Disc
0107	Miscellaneous	Jonathan Sterne	Royal Victoria Hospital, Belfast Health and Social Care Trust	The Incidence of Vertebral Artery Injury Secondary to Cervical Spine Trauma and the Management Received: Royal Victoria Hospital Belfast
0296	Miscellaneous	Surya Gandham	Alder Hey Children's Hospital	Cauda Equina Syndrome – A Bibliometric Analysis of the 100 Most-Cited Articles

## Podium Presentations

Submission Reference #	Session Allocation	Presenter	Organisation	Title of Abstract
0143	Wednesday - 10:00: Fundamental science	Shaghayegh Basatvat	Sheffield Hallam University	Regenerative characteristics of NC cells for the treatment of lower back pain
0156	Wednesday - 10:00: Fundamental science	Joseph Snuggs	Sheffield Hallam University	A caprine model of intervertebral disc degeneration: a testing platform for an injectable hydrogel
0186	Wednesday - 10:00: Fundamental science	Hannah Rowe	University of Leeds	The human enthesis harbours resident adaptive CD4+ and CD8+ T-cells with inducible IL-17A and TNF protein in a novel in vitro enthesitis model
0316	Wednesday - 10:00: Fundamental science	Lukas van Dijk	UMC Utrecht, Department of Oral and Maxillofacial Surgery	M2 Macrophage Upregulation By Calcium Phosphate With Submicron Topography Promotes Angiogenesis And Osteogenic Differentiation In Vitro
0322	Wednesday - 10:00: Fundamental science	Mustafa Al Yaseen	Arab Board of Health Specializations	Amyloid deposits in the ligamentum flavum related to lumbar spinal canal stenosis and lumbar disc degeneration
0027	Wednesday - 10:00: Lumbar degenerative	Anne F. Mannion	Schulthess Klinik, Zürich	Validity of "Appropriate Use Criteria" for surgery in degenerative spondylolisthesis: a prospective, controlled, multicentre study
0069	Wednesday - 10:00: Lumbar degenerative	Shreedhar Aranganathan	The Robert Jones and Agnes Hunt Orthopaedic Hospital, Gobowen, Oswestry, United Kingdom.	Impact of adjuvant spinal anaesthesia on early outcomes of multi-level lumbar decompression surgery
0071	Wednesday - 10:00: Lumbar degenerative	Alexander Breen	AECC University College	Early-to-moderate disc degeneration does not affect inter-vertebral motion in asymptomatic controls
0087	Wednesday - 10:00: Lumbar degenerative	Hossein Elgafy	University of Toledo Medical Center	Over Reporting Disc Herniation by Radiologists in Lumbar Spine MRI's Performed for Patients with Spondylolisthesis
0181	Wednesday - 10:00: Lumbar degenerative	Suzanne Mcilroy	King's College Hospital NHS Foundation Trust	Prognostic factors associated with walking ability after surgery for lumbar spinal stenosis: A systematic review
0257	Wednesday - 10:00: Lumbar degenerative	Fozia Saeed	Leeds General Infirmary	Prognostic indicators of surgical outcome in painful foot drop: a systematic review and meta-analysis of observational studies
0328	Wednesday - 10:00: Lumbar degenerative	Charles Taylor	Faculty of Medicine, University of Southampton, Southampton General Hospital	A stitch in time saves nine - comparative analysis of spinal dural tear repair surgery
0409	Wednesday - 10:00: Lumbar degenerative	Jonathan Geere	Spire Norwich Hospital	Rate and Risk Factors for 5-year Postoperative Disc Herniation after Lumbar Decompressive Surgery: Analysis of 1656 cases
0062	Wednesday - 11:30: Conservative therapies I	Romaana Kapadi	University of Derby	Predictors of analgesic dependence among patients with spinal pain
0074	Wednesday - 11:30: Conservative therapies I	Lucy Dove	University of Hertfordshire, Hatfield	How effective is physiotherapy for people with sciatica? A systematic review and meta-analysis
0105	Wednesday - 11:30: Conservative therapies I	Nadine E Foster	School of Primary, Community and Social Care, Faculty of Medicine and Health Sciences, Keele University	The clinical and cost effectiveness of radiofrequency denervation for chronic, moderate to severe low back pain: RADICAL randomised controlled trial protocol
0394	Wednesday - 11:30: Conservative therapies I	Eliza Steen	University of Hertfordshire, Hatfield	Physiotherapists' awareness, knowledge and confidence in screening and referral of suspected axial spondyloarthritis: A survey of UK clinical practice
0324	Wednesday - 11:30: Impact of COVID	Saisunder Chaganty	Peninsula Medical School, University of Plymouth, Plymouth	Patient and Neurosurgeon perceptions of virtual neurosurgery consultations in the COVID-19 era: A prospective mirror-survey evaluation study
0353	Wednesday - 11:30: Impact of COVID	Riaz Mohammed	University Hospital of Wales	Restoration of elective Spine surgery in the UK during COVID-19 Recovery Phase: A Multi-centre BASS Collaborative Prospective Longitudinal Study

## Podium Presentations (Continued)

Submission Reference #	Session Allocation	Presenter	Organisation	Title of Abstract
0378	Wednesday - 11:30: Impact of COVID	Ruth Newsome	Sheffield Teaching Hospitals NHS Trust	Spinal Rehabilitation During Coronavirus Restrictions: Challenges and Experiences of Piloting a Virtual Back Group
0406	Wednesday - 11:30: Impact of COVID	Antonia Isaacson	Sheffield Teaching Hospitals NHS Trust	The impact of the COVID-19 pandemic first national lockdown on emergency referrals to a tertiary referral spine centre.
0415	Wednesday - 11:30: Impact of COVID	Rory Fairhead	Oxford University Hospitals NHS Trust	Safety of corticosteroid injections during the COVID-19 pandemic – a retrospective observational study.
0164	Wednesday - 11:30: Innovation & technology	Ramesh Dalwai	The Royal wolverhampton NHS Trust	Feasibility & Costing study of bone harvest during lumbar spine surgery for subsequent use as fresh frozen allograft
0213	Wednesday - 11:30: Innovation & technology	Mark Maher	Nuffield Orthopaedic Centre, Oxford University Hospitals NHS Trust, Oxford, UK	Ultrasonic bone cutting device use in spinal surgery: a systematic review
0288	Wednesday - 11:30: Innovation & technology	Rory Gibson	Aberdeen Royal Infirmary, Foresterhill, Aberdeen	Application of Full Spinal Endoscopy for the treatment of Thoracic Disc Prolapse and other pathologies
0351	Wednesday - 11:30: Innovation & technology	Tan Tze Kiang	Sir Charles Gairdner Hospital	Robotic Assisted Versus Fluoroscopic Guided Approach In Pedicle Screw Insertion: A Systematic Review And Meta-Analysis
0031	Wednesday - 12:00: Care pathways	Clare Ryan	Solent NHS Trust	Patients' experiences of a new UK sciatica pathway. A qualitative, interpretative study.
0092	Wednesday - 12:00: Care pathways	Sarah Liddle	Ulster University	The Watching Pregnancy Project: LBP occurrence, symptoms and healthcare use from 20-weeks' gestation until 6-months after birth
0130	Wednesday - 12:00: Care pathways	Stephanie Jansen-Kosterink	Roessingh Research and Development	The acceptance of clinical decision support systems among clinicians in the treatment of neck and/or back pain in primary and secondary care.
0335	Wednesday - 12:00: Care pathways	Holly Clarke	Centre for Spinal Studies and Surgery, Queen's Medical Centre, Nottingham University Hospitals NHS Trust	Developing a pathway for the management of patients presenting with suspected myelopathy in secondary care.
0198	Wednesday - 12:30: Adult deformity & fusion	Aashish Ghodke	The Robert Jones and Agnes Hunt Orthopaedic Hospital NHS Foundation Trust	Opioid free analgesia in posterior lumbar fusion surgery to enhance recovery.
0206	Wednesday - 12:30: Adult deformity & fusion	Dheeraj Batheja	The Robert Jones and Agnes Hunt Orthopaedic Hospital NHS Foundation Trust	Minimally Invasive Lateral Lumbar Interbody Fusion for Adult Spinal Deformity: Efficacy and Complications According to MiSLAT classification.
0285	Wednesday - 12:30: Adult deformity & fusion	Jake McDonnell	Royal College of Surgeons in Ireland, St. Stephen's Green, Dublin, Ireland	Risk Factors for Distal Junctional Failure in Long Construct Instrumentation for Adult Spinal Deformity
0333	Wednesday - 12:30: Adult deformity & fusion	Kornelis Poelstra	The Robotic Spine Institute of Silicon Valley, Las Vegas, Nevada	Retrospective Evaluation of Spinal Fusion Using a Biphasic Calcium Phosphate Bone Graft with a Novel Submicron Surface Topography
0138	Wednesday - 12:30: Conservative therapies II	Wendy Oude Nijeweme - d'Hollosy	Roessing Research & Development, University of Twente	The usage of patient-reported data in machine learning to predict pain rehabilitation: possible or not?
0229	Wednesday - 12:30: Conservative therapies II	Joannes M Hallegraeff	SOMT University	State anxiety improves prediction of pain and pain-related disability after 12 weeks in patients with acute low back pain: a cohort study
0395	Wednesday - 12:30: Conservative therapies II	Karl Baraks	Sandwell and West Birmingham Hospitals Trust, Physiotherapy Department, Birmingham, UK	Patient journey following lumbar discectomy surgery: A qualitative analysis of the patient rehabilitation experience using patient diaries.

## Podium Presentations (Continued)

Submission Reference #	Session Allocation	Presenter	Organisation	Title of Abstract
0128	Wednesday - 14:45: Cauda equina syndrome	Joseph Gamal Boktor	University Hospital of Wales	Urodynamic post-residual urine volume value in Cauda equina syndrome assessment (A Meta-analysis study).
0162	Wednesday - 14:45: Cauda equina syndrome	Julie Woodfield	Department of Clinical Neurosciences, Edinburgh	Understanding Cauda Equina Syndrome: A UK multicentre prospective observational cohort study
0188	Wednesday - 14:45: Cauda equina syndrome	William Goodison	London Spinal Cord Injury Centre, Royal National Orthopaedic Hospital	Invisible Disabilities – Do I need rehabilitation when I am walking? Specialist Inpatient Rehabilitation for Ambulant Patients with Cauda Equina Syndrome (CES)
0192	Wednesday - 14:45: Cauda equina syndrome	Rajan Jandoo	Wexham Park Hospital	What impact has the 2019 GIRFT report had on Out of Hours MRI access for Cauda Equina Syndrome in England?
0339	Wednesday - 14:45: Cauda equina syndrome	Julia Tabrah	Berkshire Healthcare NHS Foundation Trust	Diagnostic accuracy of digital rectal examination in detecting cauda equina compression in people presenting with acute cauda equina syndrome. A systematic review with meta-analysis.
0111	Wednesday - 16:15: Infection	Sanket Gandhi	Oxford University Hospitals NHS Trust	Spontaneous pyogenic spondylodiscitis : Is Spinal Biopsy must in all cases?
0310	Wednesday - 16:15: Infection	Aju Bosco	Orthopaedic Spine Surgery Division, Institute of Orthopaedics and Traumatology, Madras Medical College, Chennai, India	A proposed classification based on surgical treatment strategies for reconstruction of the lumbosacral spine in advanced lumbosacral tuberculous spondylodiscitis.
0349	Wednesday - 16:15: Infection	Wing Sum Lao	The James Cook University Hospital	Management of Deep Spinal Infections – a Regional Tertiary Centre Experience
0068	Wednesday - 16:15: Paediatric deformity I	Nicolas Beresford-Cleary	Oxford University Hospitals NHS Trust	Reducing surgical site infection in complex paediatric spinal surgery through the use of an infection bundle
0112	Wednesday - 16:15: Paediatric deformity I	Debashis Dass	The Robert Jones and Agnes Hunt Orthopaedic Hospital NHS Foundation Trust	What is the need of the High Dependency Unit in adolescent idiopathic scoliosis surgery?
0169	Wednesday - 16:15: Paediatric deformity I	George McKay	Westmead Childrens Hospital, Sydney.	Vertebral body tethering in Adolescent Idiopathic Scoliosis. A prospective look at early intra-operative, radiological and patient reported outcomes of a single surgeon series.
0209	Wednesday - 16:15: Paediatric deformity I	Akshay Gadiya	Centre for Spinal Studies and Surgery, Queen's Medical Centre, Nottingham University Hospitals NHS Trust	Enhanced Recovery After Surgery (ERAS) in Adolescent Idiopathic Scoliosis (AIS) - A Systematic Review
0232	Wednesday - 16:15: Paediatric deformity I	Siddharth Shah	The Centre for Spinal Studies and Surgery, Queens Medical Centre	Reducing dependency on critical care support in adolescent idiopathic scoliosis (ais) surgery: a criteria-based pathway
0294	Wednesday - 16:15: Paediatric deformity I	Adrian Gardner	The Royal Orthopaedic Hospital	A 3D cluster analysis classification of adolescent idiopathic scoliosis using spine and torso parameters.
0298	Wednesday - 16:15: Paediatric deformity I	Adrian Gardner	The Royal Orthopaedic Hospital	What does a diagnosis of AIS and Scheuermann's kyphosis do to the coronal and sagittal balance of the individual?
0376	Wednesday - 16:15: Paediatric deformity I	Tom Schlösser	Department of Orthopaedic Surgery, University Medical Center Utrecht, Utrecht, the Netherlands	Specific Sagittal Alignment Patterns Are Already Present in Mild Adolescent Idiopathic Scoliosis
0058	Wednesday - 16:45: Cervical degenerative I	Syed Shumon	Royal Victoria Infirmary, Newcastle upon Tyne	Recurrent Laryngeal Nerve Palsy Following Anterior Cervical Discectomy and Fusion – the current UK practice.
0091	Wednesday - 16:45: Cervical degenerative I	Helios De Rosario	Instituto de Biomecánica de Valencia	Integrity test for the assessment of whiplash-associated disorders

## Podium Presentations (Continued)

Submission Reference #	Session Allocation	Presenter	Organisation	Title of Abstract
0118	Wednesday - 16:45: Cervical degenerative I	Joseph Davids	National Hospital for Neurology and Neurosurgery	The effects of Ligamentum Flavum Unbuckling (LFU) on indirect posterior cervical decompression in a multicentre retrospective cohort study
0170	Wednesday - 16:45: Cervical degenerative I	Ravindran Visagan	Department of Neurosurgery, King's College Hospital, Denmark Hill, SE5 9RS	Does Surgery for Cervical Spondylotic Myelopathy produce Improvements in Function? Findings of the British Spine Registry
0282	Wednesday - 16:45: Cervical degenerative I	Ben Grodzinski	School of Clinical Medicine, University of Cambridge	Can Co-Authorship Networks Be Used to Predict Author Research Impact? A Machine Learning-Based Analysis of Degenerative Cervical Myelopathy Research
0102	Thursday - 12:00: Surgery & co-morbidities	Samuel Haines	Musgrove Park Hospital	Discontinuing anticoagulants for spinal injections; is it necessary?
0236	Thursday - 12:00: Surgery & co-morbidities	Carlos De La Torre	London Bridge Hospital	Comparison of clinical outcomes and complications after minimally invasive extreme lateral interbody fusion based on body mass index
0404	Thursday - 12:00: Surgery & co-morbidities	Awais Habeebullah	The Royal Orthopaedic Hospital NHS Foundation Trust	Best Practice Tariffs: the key to improving data entry in the British Spine Registry
0421	Thursday - 12:00: Surgery & co-morbidities	Davor Dasic	Department of Neurosurgery, The Walton Centre NHS Foundation Trust, Liverpool, UK	Impact of Parkinsonism in Spinal Surgery
0010	Thursday - 13:30: Cervical degenerative II	Xu Hu	West China hospital, Sichuan university	Does Preoperative Inferior Endplate Morphology Influence Outcomes of Cervical Disc Arthroplasty at C5/6 Level: A Retrospective Study
0040	Thursday - 13:30: Cervical degenerative II	Naresh Kumar	National University Health System	A randomized controlled trial comparing efficacy and safety of ProDisc®C implant to anterior cervical discectomy and fusion (ACDF) in treating symptomatic cervical disc disease (SCDD)
0083	Thursday - 13:30: Cervical degenerative II	Xu Hu	West China hospital, Sichuan university	Clinical and Radiological Outcomes of Single-level Cervical Disc Arthroplasty in the Patients with Preoperative Reversible Kyphosis: A Matched Cohort Study
0291	Thursday - 13:30: Cervical degenerative II	Balakumar Balasubramanian	Centre for Musculoskeletal Medicine, Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham	Is there an argument for implant related cost reduction in ACDF? A-retrospective comparative review of complication profile between PEEK-cages and Zero- P cage screw constructs.
0175	Thursday - 13:30: Spinal cord injury & trauma I	Amanda Aw	Queen Elizabeth University Hospital, Glasgow	ASIA A traumatic cervical spinal cord injury conversion rates in Scotland
0248	Thursday - 13:30: Spinal cord injury & trauma I	Manish Desai	Royal National Orthopaedic Hospital NHS Trust, Stanmore	Polytrauma with spinal cord injury: challenges and scope for doing things differently?
0268	Thursday - 13:30: Spinal cord injury & trauma I	Ming Huay Chin	Queen Elizabeth University Hospital, Glasgow	The outcomes of both conservative and surgically managed spinal ankylosing spondylitis fractures.
0182	Thursday - 14:00: Paediatric deformity II	Ciaran Doherty	Royal Victoria Hospital Belfast	The Scoliosis Service in Northern Ireland: A Blueprint for Service Improvement
0199	Thursday - 14:00: Paediatric deformity II	Ali Shetaiwi	Centre for Spinal Studies and Surgery, Queen's Medical Centre, Nottingham University Hospitals NHS Trust	Effectiveness of the Ultrasonic Bone scalpel Ponte Osteotomy (UBSPO) in posterior correction of Lenke Type1 Adolescent Idiopathic Scoliosis (AIS)
0283	Thursday - 14:00: Paediatric deformity II	Adam Lloyd	The Royal Orthopaedic Hospital	Index radiographic measurements in the prediction of progression in infantile idiopathic scoliosis; a comparative analysis and description of a novel predictive model
0299	Thursday - 14:00: Paediatric deformity II	Adrian Gardner	The Royal Orthopaedic Hospital	The long term results of surgery for AIS. A longitudinal study using SRS-22 outcome scores from the British Spine Registry.

## Podium Presentations (Continued)

Submission Reference #	Session Allocation	Presenter	Organisation	Title of Abstract
0396	Thursday - 14:00: Paediatric deformity II	Ahmed Abdelaal	Alder Hey Children's Hospital NHS Foundation Trust	The Alder Hey experience of 44 patients treated with magnetically-controlled growing rods in the treatment of early onset scoliosis with mean follow-up of 4.1 years
0412	Thursday - 14:00: Paediatric deformity II	Hafsa Abdullahi	St George's Hospital	A comparison in patient reported outcomes in patients undergoing anterior or posterior correction of scoliosis
0293	Thursday - 15:30: Fragility fractures & miscellany	Bisola Ajayi	St George's University Hospital	Pedicle screw insertion - an educational assessment of accelerated learning
0346	Thursday - 15:30: Fragility fractures & miscellany	Ricardo Rodrigues	Charing Cross Hospital	Vertebral augmentation for painful type 4 osteoporotic compression fractures: a comparative study.
0399	Thursday - 15:30: Fragility fractures & miscellany	Vicki Pilkington	Stoke Mandeville Hospital	Implementation & Adoption of Streamlined Acute Vertebral Fracture Compression (VCF) Pathway
0271	Thursday - 15:55: Spinal cord injury & trauma II	Cullen McCulloch	Queen Elizabeth University Hospital, Glasgow	Management and outcomes of DISH fractures in the West of Scotland. A 17 years experience.
0330	Thursday - 15:55: Spinal cord injury & trauma II	Aju Bosco	Orthopaedic Spine Surgery Division, Institute of Orthopaedics and Traumatology, Madras Medical College, Chennai, India	Feasibility, safety and outcomes of treatment of neglected post-traumatic AO type F4 injuries of the subaxial cervical spine using the Anterior-Posterior-Anterior approach
0350	Thursday - 15:55: Spinal cord injury & trauma II	Smrithi Sriram	St George's University of London	Thoracolumbar Injury Classification Systems in Pediatric Patients
0039	Friday - 13:30: Spinal oncology	Naresh Kumar	National University Health System	Surgical Aggressiveness Index (SAI) in surgery for spinal metastases
0090	Friday - 13:30: Spinal oncology	Riaz Mohammed	Salford Royal NHS Foundation Trust	Preliminary results of vertebral body cemented stent for anterior column support in surgical treatment of metastatic spinal cord compression (MSCC) of thoraco-lumbar spine
0168	Friday - 13:30: Spinal oncology	Nigil Palliyil	The Centre for Spinal Studies and Surgery, Queens Medical Centre	Malignant spinal cord compression in the paediatric population-a systematic review, metaanalysis and formulation of national guidelines
0261	Friday - 13:30: Spinal oncology	Jibin Francis	Department of Neurosurgery, Cambridge University Hospitals NHS Foundation Trust	Evaluation of metastatic spinal cord compression (MSCC) referral pathway at a regional referral centre
0295	Friday - 13:30: Spinal oncology	Surya Gandham	Department of Spinal Surgery, The Royal Liverpool University Hospital Trust	The Outcome of Expandable Titanium Cages in Vertebral Compression Fractures Caused by Myeloma
0327	Friday - 13:30: Spinal oncology	Adrian Gardner	The Royal Orthopaedic Hospital	Can MRI be used as a safe and expedient option for calculating Spinal Instability Neoplastic Score (SINS) for patients with metastatic spinal cord compression?
0336	Friday - 13:30: Spinal oncology	Sheweidin Aziz	University Hospitals of Leicester	Spinal cord Compression Outcomes Of Treatment (SCOOT) Delphi Study
0358	Friday - 13:30: Spinal oncology	Priyanshu Saha	St George's University of London	Comparison of stereotactic radiosurgery, surgery and conventional external beam radiotherapy for the treatment of spinal oligometastatic disease: A Systematic Review
0059	Friday - 14:00: Best of the Best papers	Nadine E Foster	Faculty of Medicine and Health Sciences, Keele University	Spinal Fusion post NICE guidance – shall we pick up the baton?
0070	Friday - 14:00: Best of the Best papers	Kika Konstantinou	Primary Care Centre Versus Arthritis School of Primary, Community and Social Care Keele University	The clinical and cost-effectiveness of a stratified care model for patients with sciatica: the SCOPiC randomised controlled trial RCT (ISRCTN75449581).
0085	Friday - 14:00: Best of the Best papers	Hossein Elgafy	University of Toledo Medical Center	Fibular Allograft as a Salvage Option in Revision Pedicle Screw Fixation

### Podium Presentations (Continued)

Submission Reference #	Session Allocation	Presenter	Organisation	Title of Abstract
0131	Friday - 14:00: Best of the Best papers	Andrew Dixon	University of Leeds	Assessment of clinically relevant measures for injection of intervertebral disc therapies
0348	Friday - 14:00: Best of the Best papers	Zacharia Silk	Leeds General Infirmary	Reducing Uncertainty in Anterior Vertebral Body Tethering: Predicting Postoperative Curvature with Fulcrum Bending Radiographs
0375	Friday - 14:00: Best of the Best papers	Tom Schlösser	Scottish National Spine Deformity Service, Royal Hospital for Sick Children, NHS Lothian, Edinburgh, United Kingdom	Spinal Chest Intrusion and Bronchial Narrowing In Relation To Pulmonary Function in Adolescent Idiopathic Scoliosis

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