

41<sup>st</sup> ANNUAL MEETING  
CERVICAL SPINE RESEARCH SOCIETIES  
EUROPE

# CSRS EUROPE 26

MAY 27–29, 2026

*London*

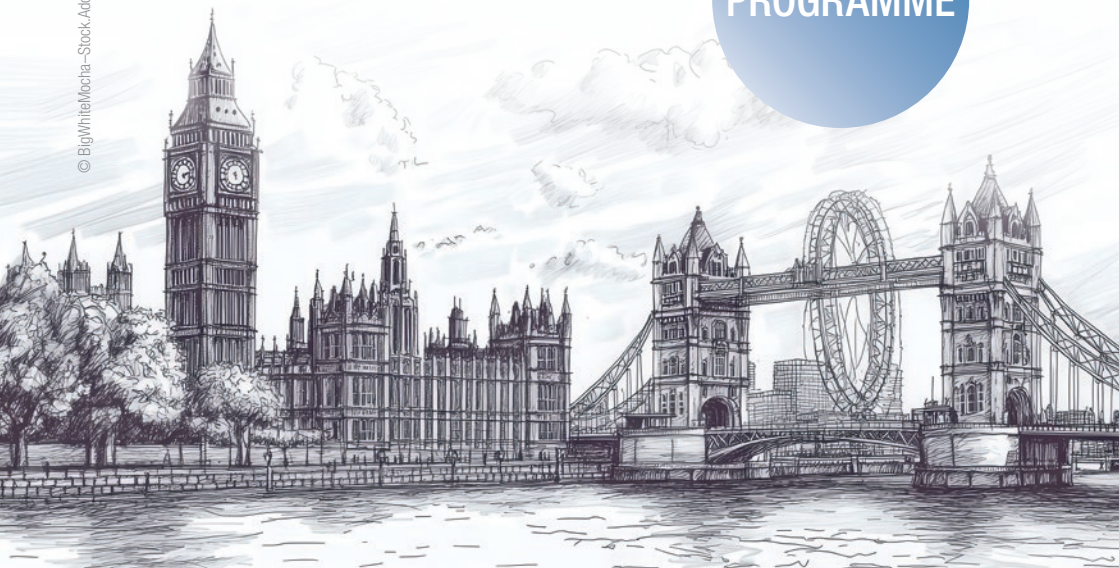
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CERVICAL SPINE RESEARCH SOCIETY



EUROPE

PROGRAMME



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## Venue

Park Plaza Victoria London  
239 Vauxhall Bridge Road  
London SW1V 1EQ/United Kingdom

## Date

May 27–29, 2026

## Conference Website

[www.csrs-europe-congress.com](http://www.csrs-europe-congress.com)

## Conference Chair

Ahmed Ibrahim (FRCS, PhD)  
Imperial College Healthcare Trust

## Scientific Committee

Anna MacDowall (Uppsala/Sweden)  
Petr Vachata (Ústí nad Labem/Czech Republic)  
Ahmed Ibrahim (London//United Kingdom)

## Hosting Society

Cervical Spine Research Society – Europe  
[www.csrs-europe.org](http://www.csrs-europe.org)

## Professional Congress Organiser

Conventus Congressmanagement & Marketing GmbH  
Martin Rennert & Ann-Katrin Heinrich  
Carl-Pulfrich-Straße 1  
07745 Jena/Germany  
Phone +49 3641 31 16-234  
[csrs@conventus.de](mailto:csrs@conventus.de)  
[www.conventus.de/en](http://www.conventus.de/en)

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CONGRESSMANAGEMENT

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## CERTIFICATION

The conference has been granted 13.5 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®). The breakdown of the ECMEC®s per day is for

May 28	7 points and
May 29	6.5 points

Please scan your badge daily at the certification desk in order to receive Medical Education Points. Certificates of attendance will be sent to you via e-mail within two weeks after the conference.



Dear friends, colleagues, and CSRS family,

On behalf of the Cervical Spine Research Society – Europe (CSRS – Europe), we are delighted to invite you to the 41<sup>st</sup> CSRS – Europe Annual Meeting, taking place in London.

This prestigious conference will bring together leading experts, researchers, and surgeons from around the globe to discuss the latest advancements, challenges and controversies in cervical spine surgery. The event will feature renowned keynote speakers sharing cutting-edge research, innovative techniques, and best practices in the field.

Conference highlights:

- Engaging discussions on current challenges and breakthroughs in cervical spine surgery
- Presentations by world-class experts and thought leaders
- Networking opportunities with international peers and specialists

Join us in London for this unparalleled opportunity to enhance your expertise, exchange knowledge, and collaborate with professionals shaping the future of cervical spine surgery.

We look forward to welcoming you to London for this landmark event!

Ahmed Ibrahim FRCS (NeuroSurg) PhD  
Congress chair CSRS – Europe 2026

Plenary

Board room

16:30–18:00

Board Meeting

18:00–18:30

ePoster blitz Session

18:30–20:00

Welcome Reception

Plenary	Breakout 1	Exhibition & ePoster
<b>08:05–09:10</b>		<b>08:00–18:00</b>
Lecture session 1 Mario Boni Best Papers		Exhibition & ePoster self study
<b>09:10–10:25</b>		
Lecture session 2 Free paper A: Imaging, fixation and biomechanics		
<b>11:00–12:00</b>		
Lecture session 3 Free paper session B		
<b>12:00–12:40</b>		
Presidential lecture CSRS North America Preview 2027		
	<b>13:00–13:45</b>	
	Industry Symposium	
<b>13:50–14:45</b>		
Debate 1 Posterior cervical decompression best done through ...		
<b>14:45–15:20</b>		
Lecture session 4 Free paper sess C		
<b>15:30–15:55</b>		
Keynote Lecture 1		
<b>15:55–17:00</b>		
Lecture Session 5 Free paper D: Trauma & SCI		
<b>17:00–17:10</b>		
Award session		
<b>17:10–17:25</b>		
Fellowship report		
<b>17:30–18:00</b>		
General Assembly		
<b>19:00–23:00</b>		
Gala Dinner		

Plenary	Exhibition & ePoster
<b>08:35–10:00</b>	<b>08:30–16:00</b>
Lecture session 6 & 7 Free paper E & F: Anterior cervical surgery & Tumors	Exhibition & ePoster self study
<b>10:40–11:20</b>	
Presidential lecture CSRS Asia Pacific and Preview of CSRS-EU 2027	
<b>11:30–12:15</b>	
Debate 2 Cervical Robotics assisted surgery: Game- changer or a tool looking for a problem?	
<b>13:15–14:00</b>	
Keynote lecture 2	
<b>14:00–15:10</b>	
Lecture session 8 Free paper session G: AI/Prediction/PROMS	
<b>15:40–17:00</b>	
Lecture session 9 Free paper session H: Alignment/OPLL/Deformity	
<b>17:00–17:15</b>	
Closing remarks	
<b>ePoster Session</b>	<b>Debate Session</b>
Meetings	Guest Lecture
Special Session	Social programme
Lecture Session	IND Session

16:30–18:00	<b>CSRS-E Board Meeting</b>
Room	Board room
18:00–18:30	<b>ePoster blitz Session</b>
Room	Plenary
Chair	Anna MacDowall (Uppsala/SE), Pratipal Kalsi (London/GB) Philippe Bancel (Paris/FR)
18:00	PP01 – Fifteen year trends in cervical disc arthroplasty utilization at a single tertiary spine centre in Indonesia Didik Librianto (Jakarta/ID)
18:04	PP02 – Cast test: Surgical outcome prediction of thoraco-lumbar spine correction for sagittal vertical axis (+) type dropped head syndrome: A report of initial 5 cases Masao Koda (Funabashi/JP)
18:08	PP05 – Augmented reality–assisted posterior C1–C2 instrumentation for atlantoaxial instability: A retrospective case series Jheng-Yan Chen (Taichung/TW)
18:12	PP06 – Improved AI-assisted image recognition of cervical spine vertebrae enables motion pattern analysis in dynamic X-ray recordings Esther van Santbrink (Heerlen/NL)
18:16	PP07 – Single-level anterior cervical discectomy and fusion for degenerative disc disease: A retrospective, two-center comparative analysis of stand-alone cage versus cage-plate constructs Raphael Gmeiner (Innsbruck/AT)
18:20	PP08 – Are stand-alone cages without supplementary fixation stable in multilevel anterior cervical discectomy and fusion? Siddhant Kapoor (Birmingham/GB)
18:30–20:00	<b>Welcome Reception</b>
Room	Industry Exhibition

08:00–08:05	<b>Welcome address &amp; Opening Remarks</b>
Room	Plenary Ahmed Ibrahim (London/GB), Andres Combalia (Barcelona/ES)
08:05–09:10	<b>Mario Boni Best Papers – nominated best oral presentations</b>
Room	Plenary
Chair	Heiko Koller (Bad Abbach/DE), Andres Combalia (Barcelona/ES)
08:05	LS01.01 – A simple clinical score for early identification of degenerative cervical myelopathy: Results of the prospective multicenter screen-DCM trial Nasser Bouhalassa (Geneva/CH)
08:13	LS01.02 – Application of modest hypothermia in patients with acute traumatic cervical spine injury: A pilot study Satvik Verma (London/GB)
08:21	LS01.03 – Smoking significantly impairs clinical outcome following anterior cervical radiculopathy surgery Azra Gül (Leiden/NL)
08:29	LS01.04 – Impact of perioperative GLP-1 agonist use on cervical fusion success: A propensity-matched cohort study John Houten (New York, NY/US)
08:37	LS01.05 – Targeted motor cortex modulation using non-invasive tDCS improves hand dexterity in cervical spondylotic myelopathy: A crossover trial Hirotaka Chikuda (Maebashi/JP)
08:45	LS01.06 – Association between metabolic syndrome and the incidence of ossification of posterior longitudinal ligament in Korean adults: A nationwide cohort study Hee Jung Son (Seoul/KR)
08:53	Discussion

09:10–10:25	Free paper session A: Imaging, fixation and biomechanics
Room	Plenary
Chair	Cédric Y. Barrey (Lyon/FR)
09:10	LS02.01 – Risk factors for cage subsidence following anterior cervical discectomy and fusion Melanie Ardelt (Krems An Der Donau/AT)
09:18	LS02.02 – Is laminoplasty suitable for OPLL patients with cervical kyphosis and/or negative K-line? Jung-Kil Lee (Gwangju/KR)
09:26	LS02.03 – Comparison of aseptic osteolysis and revision rates following anterior cervical discectomy and fusion: Stand-alone cage versus cage-screw construct Sanil Girish Kamat (Norwich/GB)
09:34	LS02.04 – Assessing cervical intervertebral disc height on MRI and X-ray versus CT: A single center retrospective cohort study Esther van Santbrink (Heerlen/NL)
09:42	LS02.05 – Radiological validation of the novel orthogonal view evaluation method (OVEM) for cervical pedicle screw placement: A comparison with the neo classification Lukas Bobinski (Umeå/SE)
09:50	LS02.06 – Association between pedicle–screw axis deviation and radiographic pedicle screw loosening Stefan Aspalter (Linz/AT)
09:58	LS02.07 – Acceptable lateral offset of cervical pedicle screws is associated with reduced pull-out strength: A paired biomechanical study Marvin Hauk (Ludwigshafen am Rhein/DE)
10:06	LS02.08 – Cervical pedicle screw insertion under O-arm-based 3D navigation using a navigated surgical drill Keiji Wada (Atsugi/JP)
10:14	LS02.09 – Direct comparison between patient-specific template guide system and freehand technique in accuracy of middle cervical pedicle screw placement Akira Fukushima (Sapporo/JP)

11:00–12:00	Free paper session B
Room	Plenary
Chair	Christian Ulbricht (London/GB), Zoher Ghogawala (Burlington, MA/US)
10:45	LS03.01 – Cost-effectiveness of anterior and posterior surgical approaches for cervical spondylotic myelopathy Robert Whitmore (Burlington, MA/US)
10:53	LS03.02 – Anterior cervical corpectomy and fusion or laminectomy for degenerative cervical myelopathy: Analyses of a national multicenter dataset Sachiko Kawasaki (Kashihara/JP)
11:01	LS03.03 – The impact of preoperative anterolisthesis on segmental stability and clinical outcome after cervical laminoplasty: A predictive model approach Jiho Jung (Gwangju/KR)
11:09	LS03.04 – Influence of subaxial cervical spine surgery on the sagittal alignment of the cervical and global spine. A prospective observational study Martin Bolcha (Usti nad Labem/CZ)
11:17	LS03.05 – Comparison among correction of each level for three levels cervical arthroplasty: A retrospective study of radiological and clinical outcomes Jiun Huan Liao (Koahsiung/TW)
11:25	LS03.07 – Personalizing the approach to degenerative cervical myelopathy: Multivariable trajectory models to define precise clinical recovery patterns Karlo Pedro (Toronto/CA)
11:33	LS03.08 – Consensus clustering reveals distinct endotypes in acute spinal cord injury: A framework for critical and surgical care Karlo Pedro (Toronto/CA)
12:00–12:40	Presidential lecture – CSRS North America
Room	Plenary
Chair	Andres Combalia (Barcelona/ES)
12:00	Presidential lecture Alpesh Patel (Chicago, IL/US)
12:30	Preview CSRS 2027

- 13:00–13:45 **Industry symposium** (For details see page 25)  
 Room Breakout 1
- 13:50–14:45 **Debate Session 1: Posterior cervical decompression is best done through ...**  
 Room Plenary  
 Chair Claes Olerud (Uppsala/SE)
- ... endoscopic achieves best results and should be standard of care  
 Stefan Hellinger (Munich/DE)
- ... open decompression surgery only  
 Adrian Casey (London/GB)
- ... Muscle sparing MIS technique is best  
 Anna MacDowall (Uppsala/SE)
- 14:45–15:20 **Free paper session C**  
 Room Plenary  
 Chair Nicholas Haden, Raed Abou Hussien (London/GB)
- 14:45 LS04.01 – Endoscopic segmental fixation in minimally invasive management of Hangman fracture  
 Nanfang Xu (Beijing/CN)
- 14:59 LS04.03 – Biportal endoscopic posterior cervical foraminotomy for adjacent 2-level foraminal lesions using a single approach (sliding technique)  
 Jin Young Lee (Dubai/AE)
- 15:06 LS04.04 – Endoscopic-assisted anterior transarticular screw fixation and arthrodesis for atlantoaxial instability via a retropharyngeal approach: Technical note and preliminary clinical outcomes  
 Jinsong Yang (Nanning/CN)
- 15:13 LS04.05 – Clinical outcomes after full endoscopic posterior cervical foraminotomy without discectomy  
 Vasileios Raptopoulos (London/GB)

15:30–15:55	<b>Keynote lecture 1</b>
Room	Plenary
Chair	Ahmed Ibrahim (London/GB)
15:30	Clinical application of AI- Promise and pitfalls: Outstanding Leadership – Lessons from industry Aldo Faisal (London/GB)
15:55–17:00	<b>Free paper session D: TRooma and SCI</b>
Room	Plenary
Chair	Toon Boselie (Maastricht/NL), Kazuya Kitamura (Saitama/JP)
15:55	LS05.01 – Neurological and functional recovery after early versus late surgical decompression in tRoomatic central cord syndrome Martin Pouw (Nijmegen/NL)
16:03	LS05.02 – Spine attack study: A prospective cohort study to evaluate the results of early surgery in tRoomatic cervical spinal cord injury at a tertiary care center Satvik Verma (London/GB)
16:11	LS05.03 – The association of MRI-derived tissue bridge morphometrics with baseline impairment and recovery in tRoomatic spinal cord injury: A preplanned sub-analysis of the RISCIS randomized controlled trial Karlo Pedro (Toronto/CA)
16:19	LS05.04 – Neurological function and recovery in tRoomatic spinal cord injury: Is it related to quality of life? Patrick Romijn (Nijmegen/NL)
16:27	LS05.05 – Efficacy of intrathecal recombinant human hepatocyte growth factor for acute cervical spinal cord injury with AIS a at 72 h post-injury: Phase III study Kazuya Kitamura (Saitama/JP)
16:35	LS05.06 – Long-term stroke risk following cervical spine injury: A nationwide registry-based case-control study Lasse Kristensen (Aarhus/DK)
16:43	LS05.07 – The role of end-of-life counseling in upper cervical tRoomatic spinal cord injury in the elderly: An ethical dilemma Charlotte Adegeest (Leiden/NL)
16:51	LS05.08 – Methods of hardware failure and salvage of occipitocervical fusion John Houten (New York, NY/US)

- 17:00–17:10      [Award session: Mario Boni Award and the Best Research Grant](#)  
Room              Plenary  
Chair              Andres Combalia (Barcelona/ES), Ahmed Ibrahim (London/GB)
- 17:10–17:25      [Fellowship report](#)  
Room              Plenary  
Chair              Carmen Vleggeert-Lankamp (Leiden/NL), Petr Vachata (Ústí nad Labem/CZ)
- 17:25–17:30      [Closing and Announcements](#)  
Room              Plenary
- 17:30–18:00      [CSRS Europe General Assembly](#)  
Room              Plenary
- 19:00–23:00      [Gala Dinner](#) (For details see page 28)

08:30–08:35	Welcome address & Opening remarks
Room	Plenary
Chair	Ahmed Ibrahim (London/GB)
08:35–10:00	Free paper session E & F: Anterior cervical surgery & Tumors and infection
Room	Plenary
Chair	Óscar L. Alves (Porto/PT), Pratipal Kalsi (London/GB)
08:35	LS06.03 – Multivariate analysis of critical complication determinants following anterior cervical spine surgery: A comparison of reconstructive techniques (ACDF, arthroplasty, corpectomy, and hybrid constructs) and multi-level extension in a consecutive cohort of 223 patients Félix Tomé-Bermejo (Madrid/ES)
08:43	LS06.04 – A comparative analysis of anterior cervical discectomy and fusion versus anterior hybrid constructs: Do they differ in motion preservation, lordosis restoration, sagittal balance and adjacent segment degeneration? Félix Tomé-Bermejo (Madrid/ES)
08:51	LS06.05 – Cervical disc arthroplasty in segments with borderline translational motion: A hypothesis-generating case series Didik Librianto (Jakarta/ID)
08:59	LS06.06 – Cervical total disc replacement: A suitable option for slit discs Luís Carvalho Rosas (Vila Nova de Gaia/PT)
09:07	LS06.07 – Clinical outcomes are similar following anterior cervical ndiscectomy and fusion vs cervical disc arthroplasty: A systematic review and meta-analysis of studies without industry influence Tariq Issa (New York, NY/US)
09:15	LS06.08 – Clinical relevance of radiographic hypermobility following cervical disc replacement Yu-Hao Chang (Taichung/TW)
09:23	LS07.01 – Extramedullary tumors of the cervical spine Jörg Klekamp (Bad Abbach/DE)

- 09:31            LS07.02 – Risk of isolated nuchal ligament reconstruction in dropped head syndrome with cervical myelopathy: A case series  
Yasushi Fujiwara (Hiroshima/JP)
- 09:39            LS07.04 – Neurological status after surgical intervention of cervical intraspinal tumors – How do we manage patient expectations?  
Thomas Castor Glerup Fornitz (Copenhagen/DK)
- 10:40–11:20    **Presidential lecture – CSRS Asia Pacific and Preview of CSRS-EU 2027**  
Room            Plenary  
Chair            Andres Combalia (Barcelona/ES)
- 10:40            Presidential lecture  
Ken Ishii (Tokyo/JP)
- 11:10            Preview of CSRS-EU 2027  
Óscar L. Alves (Porto/PT)
- 11:30–12:15    **Debate Session 2: Cervical Robotics assisted surgery: Game-changer or a tool looking for a problem?**  
Room            Plenary  
Chair            Babak Arvin (London/GB)
- Introduction  
                    Petr Vachata (Ústí nad Labem/CZ)
- Contra  
                    Jake Timothy (London/GB)
- Pro  
                    Peter Douglas Klassen (Lingen/DE)
- Discussion
- 13:15–14:00    **Keynote lecture 2**  
Room            Plenary  
Chair            Ahmed Ibrahim (London/GB)
- 13:15            The future of tRoomatic and nontRoomatic spinal cord injury management: Personalizing the approach using advanced analytics, machine learning and artificial intelligence  
Michael Fehlings (Toronto/CA)

14:00–15:10	<b>Free paper session G: AI/Prediction/PROMS</b>
Room	Plenary
Chair	Ali Baaj (Chicago/US), Ahmed Sadek (London/GB)
14:00	LS08.01 – Psychological profiling outweighs cervical sagittal alignment in explaining patient-reported neck pain severity in non-deformity cervical spondylosis: A prospective multicenter cohort study Marco Battistelli (Rome/IT)
14:08	LS08.02 – Development, calibration, and clinical validation of a deployable PROMIS-based adaptive assessment tool (PROMIS-CAT) for real-time patient-reported outcomes in spine care Kaitlin Sisson (Austin, TX/US)
14:16	LS08.04 – A hybrid rule-based and machine-learning decision-support framework for degenerative cervical myelopathy: Development and validation using a synthetic cohort of 200,000 simulated patients Kaitlin Sisson (Austin, TX/US)
14:24	LS08.05 – Quantitative imaging biomarkers derived using an artificial intelligence (AI) pipeline enhance prognostication of patients undergoing surgery for degenerative cervical myelopathy Karlo Pedro (Toronto/CA)
14:32	LS08.06 – Fear of movement brain signatures in patients with cervical spondylotic myelopathy: Preliminary implications for rehabilitation Andrew Milby (Atlanta, GA/US)
14:40	LS08.07 – Factors related to a life quality worse than death, in a national cohort of cervical spine patients Lovisa Gerdhem (Uppsala/SE)
14:48	LS08.08 – Do postoperative outcomes meet preoperative expectations? Alpesh Patel (Chicago, IL/US)
15:40–17:00	<b>Free paper session H: Alignment/OPLL/Deformity</b>
Room	Plenary
Chair	Federico De Iure (Bologna/IT), Babak Arvin (London/GB)
15:40	LS09.01 – Establishing clinical equipoise for an RCT comparing cervical laminoplasty to cervical fusion surgery for cervical myelopathy Zohar Ghogawala (Burlington, MA/US)

- 15:48 LS09.02 The effect of Vosoritide on growth of the foramen magnum and craniocervical junction in children with achondroplasia  
Carmen Vleggeert-Lankamp (Leiden / NL)
- 15:56 LS09.03 – Surgical outcomes of posterior decompression & fusion surgery for K-line (-) and/or massive (occupying ratio > 50%) ossification of posterior ligament in cervical spine  
Yasutsugu Yukawa (Nagoya/JP)
- 16:04 LS09.04 – Contrast-enhanced MRI grading of nuchal ligament injury reveals structural failure associated with sagittal head imbalance in INEM dropped head syndrome  
Kenji Endo (Tokyo/JP)
- 16:12 LS09.05 – Radiographic factors associated with retro-odontoid pseudotumor development  
Takuya Tamaoka (Kobe/JP)
- 16:20 LS09.06 – Surgery for subaxial cervical synovial cysts: Decompression alone or with fixation?  
Tetsuryu Mitsuyama (Tokyo/JP)
- 16:28 LS09.07 – The infra-hyoid median approach: A new surgical corridor to the anterior subaxial cervical spine. Qualitative and quantitative comparison with the Smith-Robinson approach  
Federico Valeri (Rome/IT)
- 16:36 LS09.08 – Restoration of cervical lordosis in rigid kyphotic deformities using Bhavuk's laminar bow: Surgical technique and cases  
Akashdeep Singh Bali (New Delhi/IN)
- 16:44 LS09.09 – PASCAL: Patient-Specific Cervical ALignment restoration using biomechanical methods  
Peter Eltes (Budapest/HU)
- 16:52 LS09.10 – Clinical suitability of laminoplasty in OPLL with dynamic K-line conversion comparative outcomes and preoperative radiographic cut-offs  
Suchel Kim (Seoul/KR)
- 17:00–17:15 **Closing and Final Announcement**  
Room Plenary  
Chair Ahmed Ibrahim (London/GB), Andres Combalia (Barcelona/ES)

- PS.01      Rehabilitation strategies following posterior cervical decompression for cervical spondylotic myelopathy: A narrative review and framework for clinical practice  
Kaitlin Sisson (Austin, TX/US)
- PS.02      Use of cervical disk arthroplasty to treat noncontiguous cervical disk herniations  
Jun Ho Lee (Seoul/KR)
- PS.03      Level diagnosis for cervical spondylotic myelopathy overlapped with multi-level spondylotic radiculopathy  
Jun Ho Lee (Seoul/KR)
- PS.04      Disappearance of retro-odontoid pseudotumor after C1-C2 or occipital-cervical fixation  
Yasuyuki Shiozaki (Kanonji/JP)
- PS.07      Surgical outcomes of intraoperative O-arm versus C-arm fluoroscopy in occipito cervical fixation: A retrospective analysis  
Keiji Wada (Atsugi/JP)
- PS.09      Poly-ether-keton-ke-ton as fusion material for cervical cages Results of a prospective study  
Johannes Schroeder (Osnabrück/DE)
- PS.10      Neurological recovery after open-door laminoplasty: Influence of lamina reclosure and fixation method  
Shuichi Kaneyama (Kashiwa/JP)
- PS.11      Comparison of posterior approach surgical techniques for cervical spondylotic myelopathy: Laminectomy with fusion, laminoplasty, and laminoplasty with fusion  
Pyunggoo Cho (Suwon/KR)
- PS.12      How is postoperative patient satisfaction impacted by preoperative expectations?  
Alpesh Patel (Chicago, IL/US)
- PS.15      Residual cervical extension capacity determines prognosis in isolated neck extensor myopathy-related dropped head syndrome: A two-position prone radiographic assessment  
Kenji Endo (Tokyo/JP)
- PS.16      Clinical outcomes and treatment strategy for lateral atlantoaxial osteoarthritis: A retrospective case series  
Hee Jung Son (Seoul/KR)
- PS.17      Assessment of spinal fusion in relation to clinical outcomes following anterior cervical discectomy after 6- and 12 months follow-up  
Azra Gül (Leiden/NL)

- PS.18 Three distinct pathways to life-threatening cardiorespiratory collapse in rheumatoid upper cervical lesions  
Shuichi Kaneyama (Kashiwa/JP)
- PS.19 Obesity-related indices and disease-specific cutoff values for spinal ligament ossification: Emphasis on localized and diffuse OPLL  
Ryo Fujita (Sapporo/JP)
- PS.20 Accuracy of cervical pedicle screw with free hand technique  
Takeshi Aoyama (Sapporo/JP)
- PS.21 Impact of segmental range of motion on myelopathy incidence and severity in a rat model of chronic cervical compression  
Takaki Kitamura (Chiba/JP)
- PS.22 A case of brachial plexus injury with intramedullary signal changes in the acute phase  
Yuhei Mogi (Sapporo/JP)
- PS.23 Evaluation of titanium spacer with locking screw for double-door laminoplasty  
Soei Asuka, Masaru Hatano, Keishi Maruo, Fumihiro Arizumi, Kazuya Kishima  
Tetsuto Yamaura, Toshiya Tachibana (Nishinomiya city/JP)
- PS.28 The influence of body posture on cervical alignment measured in the sagittal plane on X-ray: A prospective cohort study  
Esther van Santbrink (Heerlen/NL)
- PS.29 Clinical efficacy of intensive inpatient glisson traction for cervical radiculopathy: A comparative study of disc herniation and spondylotic foraminal stenosis  
Shin Matsushima (Hakodate city/JP)
- PS.31 Post-myelography CT-based analysis of poor responders to Glisson traction in cervical radiculopathy  
Tomoya Sato (Sapporo/JP)
- PS.32 Is the primary standard anterior retropharyngeal approach an effective treatment for unstable Hangman's fracture?  
Seong-Chan Jung (Gwangju/KR)
- PS.34 The effect of Vosoritide on growth of the foramen magnum and craniocervical junction in children with achondroplasia  
Carmen Vleggeert-Lankamp (Leiden/NL)

- PS.35 Cervical range of motion after multilevel anterior cervical discectomy and fusion using stand-alone cages: A 3-year follow-up study  
Ifran Saleh, Didik Librianto (Jakarta/ID)
- PS.36 Spontaneous spinal epidural hematoma associated with dialysis arteriovenous fistula-related subclavian steal syndrome: A case report  
Luís Carvalho Rosas (Vila Nova de Gaia/PT)
- PS.37 Posterior surgery for cervical OPLL: When is fusion necessary? A systematic review and meta-analysis  
Hiroshi Takahashi (Tsukuba/JP)
- PS.38 A short-term outcome study of fusionless nuchal ligament reconstruction and stabilization for dropped head syndrome  
Tomoyuki Ueshima (Tokyo/JP)
- PS.39 Reduced trunk and lower extremity muscle activities are related to the onset of the dropped head syndrome: A human body finite element model study  
Ryunosuke Urata (Chiyoda-ku/JP)
- PS.40 Incidence and predictors of heterotopic ossification in hybrid cervical disc arthroplasty and adjacent fusion: Insights from a retrospective cohort review  
Hsi-kai Tsou (Taichung/TW)
- PS.43 Risk of isolated nuchal ligament reconstruction in dropped head syndrome with cervical myelopathy: A case series  
Yasushi Fujiwara (Hiroshima/JP)
- PS.45 Microscopic Augmented Reality (AR) navigation surgery with a mobile flat panel 3D C-arm  
Yasushi Fujiwara (Hiroshima/JP)
- PS.46 Clinical and biomechanical outcomes after posterior percutaneous cervical fusion: A patient- and level-based analysis  
Óscar L. Alves (Porto/PT), Luís Carvalho Rosas (Vila Nova de Gaia/PT)
- PS.47 Phosphate-driven calcification in primary human cervical intervertebral disc cells  
Toon Boselie (Maastricht/NL)
- PS.48 Scoping review on the biomolecular profile of the human non-degenerative cervical and lumbar intervertebral discs  
Toon Boselie (Maastricht/NL)

- PS.49 Minimally invasive posterolateral pedicle screw placement in the upper cervical spine: Enhancing accuracy and safety with intraoperative CT navigation  
Stanislaw Adamski (Gdańsk/PL)
- PS.51 Two-level stand-alone anterior cervical discectomy and fusion compared to posterior cervical laminectomy in elderly patients with degenerative cervical myelopathy  
Monisha Kapilan (Stevenage/GB)
- PS.52 Surgical outcome of cervical double-door laminoplasty using centerpiece connect plate fixation system  
Hiroshi Miyamoto (Kobe/JP)
- PS.55 Does the number of fused levels affect cervical motion and quality of life? Three year outcomes after stand alone cafe ACDF  
Didik Librianto, Ifran Saleh (Jakarta/ID)
- PS.56 C1 fracture as a frailty-associated injury: A single-center retrospective study of patient presentation and treatment outcomes  
Carlos Ponce de Leon Mendez (Providence, RI/US)



13:00–13:45 Industry Symposium – Sponsored by Medtronic  
Room Breakout 1 (Beatrice 1)

13:00 Cervical spine surgery – Current status and future challenges  
Benny Dahl (Copenhagen/DK)

13:20 Cervical surgery: Indications, limits, and how navigation may expand what  
we can do safely  
Juan Barges-Coll (Lausanne/CH)

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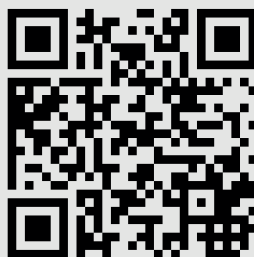
# AESCULAP® Arcadius<sup>XP</sup> C®

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## SOCIAL PROGRAMME

### Welcome Reception

Date Wednesday, May 27  
Time 18:30–20:00  
Venue Park Plaza Victoria | Industry exhibition

Enjoy drinks, light refreshments, and canapés while taking the opportunity to reconnect with members of the CSRS community in an informal and welcoming setting.



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### Gala Dinner

Date Thursday, May 28  
Time 19:00–23:00 | Departure 19:15  
Venue Westminster Pier | London SW1A 2JH  
United Kingdom

Have a special evening aboard a historic paddle steamer on the River Thames. As the boat cruises through London, participants can take in stunning views, good food, and the chance to connect in a relaxed atmosphere. Unfortunately, all tickets for this event have already been allocated.



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