

**Free Paper 1 Trauma** - 22 March 2024 | 07:45 - 08:45 | Island Ballroom

**Moderators:** [Dipak Shrestha, Nepal](#) | [Takeshi Aoyama, Japan](#) | [Reuben Soh, Singapore](#)

### Trauma I - Upper Cervical Spine

07:45 - 07:49	<b>ID47</b> A New Classification of Atlas Fracture Based on CT Reconstruction and its Clinical Significance	<a href="#">Weiyu Jiang, China</a>
07:49 – 07:53	<b>ID51</b> Comparisons of Anterior and Posterior Approach in the Treatment of Odontoid Fractures: A Meta-analysis and Systematic Review	<a href="#">Shuai Xu, China</a>
07:53 – 07:57	<b>ID235</b> The Mechanism of Traumatic Posterior Atlantoaxial Dislocation Without Fracture : A Radiological Study of 17 Cases based on Literature Review	<a href="#">Yong Xu, China</a>
07:57 – 08:01	<b>ID170</b> Surgical Outcome of Mingsheng Tan Technique for C2 Odontoid Fracture	<a href="#">Phuc Nghia Diep, Vietnam</a>
08:01 – 08:15	Q & A	

### Trauma II – Spinal Cord Injury

08:15 – 08:19	<b>ID375</b> Acute Traumatic Sub-axial Central Cord Syndrome: Can Delaying Surgery Causes Disaster?	<a href="#">Sharif Ahmed Jonayed, Bangladesh</a>
08:19 – 08:23	<b>ID98</b> Effects of Early Hyperbaric Oxygen Therapy on Neurological Function Recovery After ACDF	<a href="#">Wei Xiong, China</a>
08:23 – 08:27	<b>ID367</b> Factors Associated with Improved Urinary Function After Traumatic Cervical Spinal Cord Injury: Analysis in AIS Grade C	<a href="#">Keiichi Nakai, Japan</a>
08:27 – 08:31	<b>ID346</b> Posterior Ligamentous Complex Reconstruction With Artificial Ligament in Patients Without Cervical Vertebral Fracture: A Technical	<a href="#">Chengyi Huang, China</a>
08:31 - 08:45	Q & A	

**Free Paper 2 Complication** - 22 March 2024 | 07:45 - 08:45 | Azalea II & III**Moderators:** Sharif Ahmed Jonayed, Bangladesh | Hee Hwan Tak, Singapore | John Ruiz, Singapore**Complication I – CSF Complication**

07:45 - 07:49	<b>ID347</b> The effect of the difference in C2-7 angle on the occurrence of dysphagia after anterior cervical discectomy and fusion with the Zero-P Impl	Yifei Deng, China
07:49 – 07:53	<b>ID204</b> The Incidence and Treatment of CSF Leak in OPLL Patients After ACCF	Zheng Xu, China
07:53 – 07:57	<b>ID106</b> Fate of Large CSF Leakage Due to Unrecognized Incidental Durotomy in the Cervical Spine Surgery	Hyun-Ik Cho, Korea
07:57 – 08:01	<b>ID330</b> The Incidence, Clinical Features and Risk Factors for Postoperative Retropharyngeal Hematoma and Related Dyspnea Following Anterior Cervical Discectomy and Fusion: Single-center Study of 10615 Patients	Feifei Zhou, China
08:01 – 08:05	<b>ID257</b> Investigation of Risk Factors of C5 Palsy After Anterior Cervical Spine Surgery	Yu Matsukura, Japan
08:05 – 08:15	Q & A	

**Complication II – Dysphagia**

08:15 – 08:19	<b>ID390</b> Postoperative Complications in Anterior Cervical Surgery - Is there a Higher Incidence of Dysphagia and Respiratory Complications with Long-Segment Anterior Cervical Surgery?	Yuki Shiratani, Japan
08:19 – 08:23	<b>ID64</b> Lateral Deviation of the Hyoid Bone and Thyroid Cartilage Influences Prevertebral Soft Tissue Swelling and Dysphagia after Anterior Cervical Discectomy and Fusion	Jae-Jun Yang, Korea
08:23 – 08:27	<b>ID357</b> Risk Factors of Bone Loss After Prestige-LP Cervical Disc Arthroplasty	Wang Hong, China
08:27 – 08:31	<b>ID142</b> Intra- and Post-operative Management of Cerebrospinal Fluid Leakage (CSFL) in Anterior Surgery for Cervical Ossification of the Posterior Longitudinal Ligament (OPLL)	Xiongsheng Chen, China
08:31 – 08:35	<b>ID200</b> Correlation Between Intervertebral Disc Degeneration Degree and Heterotopic Ossification after Artificial Cervical Disc Replacement	Yin Zhao, China
08:35 – 08:45	Q & A	

**Free Paper 3 Upper Cervical Spine I & Cervical Radiculopathy** - 22 March 2024 | 10:15 – 11:15 | Island Ballroom**Moderators:** Wang Shenglin, China | Jin Sup Yeom, Korea**Upper Cervical Spine I**

10:15 – 10:19	<b>ID228</b> C2 Anatomical Pedicle Screw: A Novel Alternative Technique for C2 Fixation Under the Concept of Atlantoaxial Joint Distraction and Fusion with Intra-articular Cages	<a href="#">Yue-Qi Du, China</a>
10:19 – 10:23	<b>ID79</b> Three-dimensional Reduction Method With a Modified C2 Isthmus Screw in Irreducible Atlantoaxial Dislocation	<a href="#">Bo Yuan, China</a>
10:23 – 10:27	<b>ID26</b> Radiological Measurement, Clinical Manifestation, and Treatment of Non-traumatic Occipitoatlantal Instability	<a href="#">Xiangyu Hou, China</a>
10:27 – 10:31	<b>ID383</b> Biomechanical Aspect Following Occipito-cervical Fusion: Evaluation of Sagittal Profile Alterations and its Relation to Functional Outcomes	<a href="#">Deas M. Emiri, Indonesia</a>
10:31 – 10:45	Q & A	

**Cervical Radiculopathy**

10:45 – 10:49	<b>ID279</b> Experience in Reconstructive Surgery of the Craniovertebral and Subaxial Spine	<a href="#">Karimov Abduafarrukh, Uzbekistan</a>
10:49 – 10:53	<b>ID100</b> Are There Differences in Outcome After Posterior Cervical Foraminotomy Performed for Cervical Radiculopathy Caused by Soft Disc and Hard Disc?	<a href="#">Inhee Kim, Korea</a>
10:53 – 10:57	<b>ID332</b> Reoperation Rates After Anterior Surgeries for Cervical Radiculopathy Related With Injection Therapy: Korean National Population-based Cohort Study	<a href="#">Moon Soo Park, Korea</a>
10:57 – 11:01	<b>ID206</b> The Comparison of Clinical and Radiological Results of Oblique Keyhole Foraminotomy for the Better Decompression of Cervical Spondylotic Radiculopathy	<a href="#">Sung Hoon Choi, Korea</a>
11:01 – 11:05	<b>ID126</b> The CASINO Trial: Surgical versus Conservative Management in Patients with Cervical Radiculopathy Due to Intervertebral Disc Herniation: A Prospective Cohort Study	<a href="#">Azra Gül, Netherlands</a>
11:05 – 11:15	Q & A	

**Free Paper 4 Upper Cervical Spine II & Cervical Tumor** - 22 March 2024 | 10:15 – 11:15 | Azaela II & III**Moderators:** Jose Miquel, Philippines | Joseph Thambiah, Singapore | Masao Koda, Japan**Upper Cervical Spine II**

10:15 – 10:19	<b>ID80</b> The Clinical Impact of 2-level Anterior Cervical Corpectomy and Fusion versus Posterior Open-door Laminoplasty on the Occipito-atlantoaxial Complex	Junhu Li, China
10:19 – 10:23	<b>ID148</b> Two-step Distraction and Reduction (TSDR) for Basilar Invagination with Atlantoaxial Dislocation: A Novel Technique Without Traction	Sheng Xiaqing, China
10:23 – 10:27	<b>ID163</b> Long-term Follow-up of the First Case of Multidimensional Atlanto-odontoid Joint Arthroplasty	Jie Qin, China
10:27 – 10:31	<b>ID267</b> Clinical Features and Outcomes of Basilar Invagination	Maoyang Qi, China
10:31 – 10:45	Q & A	

**Upper Cervical Spine II & Cervical Tumor**

10:45 – 10:49	<b>ID299</b> Biomechanical Evaluation of a Novel Atlas Polyaxial Transverse Connecting Screw System, an in Vitro Human Cadaveric Study	Yun-lin Chen, China
10:49 – 10:53	<b>ID91</b> Application of 3D Printed Personalized Prosthesis in Cervical Tumor Resection and Reconstruction	Fang Zhong, China
10:53 – 10:57	<b>ID232</b> Anterior Vertebroplasty as Treatment for Aggressive and Symptomatic Cervical Hemangioma	Chao-Yuan Ge, China
10:57 – 11:01	<b>ID77</b> Outcomes and Complications of Surgery for Symptomatic Spinal Metastases; a Comparison Between Patients Aged $\geq 70$ and $<70$	Sin Qinxiang Shant, Singapore
11:01 – 11:05	<b>ID270</b> Carbon Fibre Rods in the Treatment of Cervical Spine Tumours: A Case Series and Description of a Novel Surgical Technique	Tan Jiong Hao Jonathan, Singapore
11:05 – 11:15	Q & A	



**Free Paper 5 Myelopathy** - 22 March 2024 | 13:30 – 14:30 | Island Ballroom

**Moderators:** Yasutsugu Yukawa, Japan | Yue Wai Mun, Singapore

**Myelopathy I**

13:30 – 13:34	<b>ID156</b> Comparison of Surgical Outcomes of Posterior Decompression in Patients with Single-level Cervical Spondylotic Myelopathy with and without Instability	Yuki Shiratani, Japan
13:34 – 13:38	<b>ID81</b> Classifying Hand Dexterity Impairment in Degenerative Cervical Myelopathy with 10-Second Grip and Release Test	Guoyan Liang, China
13:38 – 13:42	<b>ID94</b> Impact of Uniformly Right-side Opening Laminoplasty on Postoperative C5 Palsy in Patients with Degenerative Cervical Myelopathy	Kyung-Chung Kang, Korea
13:42 – 13:46	<b>ID202</b> Is Anterior Subarachnoid Space Related with Postoperative Outcome in Patients with the Cervical Myelopathy?	Sung-Ryul Choi, Korea
13:46 – 14:00	Q & A	

**Myelopathy II**

14:00 – 14:04	<b>ID96</b> Biomechanics and Outcome following Contiguous Anterior Fusion for Noncontiguous Cervical Spondylotic Myelopathy: The Whole is Greater Than the Sum of its Parts	Shan-Jin Wang, China
14:04 – 14:08	<b>ID196</b> Association Between Negative Sagittal Vertical Axis and Neck Pain among Cervical Spondylotic Myelopathy Patients	Shin Oe, Japan
14:08 – 14:12	<b>ID335</b> Management and Long-term Outcomes of Mild Cervical Spondylotic Myelopathy: A Systematic Review and Meta Analysis	Jose Kreisher Rae B. Foscablo, Philippines
14:12 – 14:16	<b>ID301</b> Recovery Process of Cervical Myelopathy After Laminoplasty Using Japanese Orthopaedic Association Cervical Myelopathy Evaluation Questionnaire: A Prospective Study	Sachiko Kawasaki, Japan
14:16 – 14:20	<b>ID179</b> Where to Stop Lateral Exposure to Reduce Surgical Invasiveness in Posterior Decompression Surgery of Cervical Spine? — Cadaveric Study	Kazuya Kitamura, Japan
14:20 – 14:30	Q & A	

**Free Paper 6 Image** - 22 March 2024 | 13:30 – 14:30 | Azalea II & III

**Moderators:** [Lyu Feizhou, China](#) | [Shinji Tanishima, Japan](#) | [Yeo Tseng Tsai, Singapore](#)

<b>Image I</b>		
13:30 – 13:34	<b>ID139</b> Preoperative MRI-based Endplate Quality: A Novel Tool for Predicting Cage Subsidence After Anterior Cervical Spine Surgery	<a href="#">Haimiti Abudouaini, China</a>
13:34 – 13:48	<b>ID318</b> Tandem Spinal Stenosis: A 845 Multiracial Asian Patients' Prevalence and Risk Factor Analysis	<a href="#">Wang Chongyan, Singapore</a>
13:38 – 13:42	<b>ID262</b> Dynamic Cervical Spinal Canal Stenosis: Identifying Imaging Risk Factors in Extended Positions	<a href="#">Shogo Matsumoto, Japan</a>
13:42 – 13:46	<b>ID413</b> MRI-based Lesion Quality Score Assessing Ossification of the Posterior Longitudinal Ligament of the Cervical Spine	<a href="#">Po-Hsin Chou, Taiwan</a>
13:46 – 14:00	Q & A	
<b>Image II</b>		
14:00 – 14:04	<b>ID132</b> Dichotomous Indicator on Lateral X-ray to Predict Spinal Cord Compression in Patients with Cervical Spondylotic Myelopathy	<a href="#">Kenta Suzuki, Japan</a>
14:04 – 14:08	<b>ID266</b> Anatomical Study of Transverse Foramen and Vertebral Artery in Subaxial Cervical Spine for Safe Pedicle Screw Insertion	<a href="#">Takeshi Aoyama, Japan</a>
14:08 – 14:12	<b>ID167</b> The Predictive Value of Hounsfield Units for Titanium Mesh Cage Subsidence After Anterior Cervical Corpectomy and Fusion	<a href="#">Haimiti Abudouaini, China</a>
14:12 – 14:16	<b>ID83</b> A Novel MRI-based Cervical Endplate Bone Quality Score Independently Predicts Cage Subsidence After Anterior Cervical Discectomy and Fusion	<a href="#">Qiujiang Li, Chia</a>
14:16 -14:30	Q & A	

**Free Paper 7 Laminopathy** - 22 March 2024 | 16:00 – 17:06 | Island Ballroom**Moderators:** [Woo-Kie Min, Korea](#) | [Kazuya Kitamura, Japan](#) | [Colum Nolan, Singapore](#)**Laminopathy I**

16:00 – 16:04	<b>ID283</b> The Predictive Value of Spinal Cord Line on the Decompression Effect After Cervical Laminoplasty	<a href="#">Xiangyang Wang, China</a>
16:04 – 16:08	<b>ID25</b> Comparison of the Differences on Cervical Sagittal Parameters Between Cervical C3-C6 and C3-C7 "Single-door" Expansive Laminoplasty	<a href="#">Jiaming Liu, China</a>
16:08 – 16:12	<b>ID62</b> Comparison of Pain Management and Surgical Outcomes for Different Four Kinds of Muscle-preservation Laminoplasty Surgery for Patients with Multilevel Cervical Spondylotic Myelopathy - A Designed Retrospective Cohort Study	<a href="#">Ben Wang, China</a>
16:12 – 16:16	<b>ID303</b> Three-year Comparative Outcomes of Expansive Open-door Laminoplasty and Selective Laminectomy in Cervical Spondylotic Myelopathy	<a href="#">Juntaro Maruyama, Japan</a>
16:16 – 16:20	<b>ID38</b> Open-door Cervical Laminoplasty with Skip-fixation can be Cost-effective Surgery Comparing to that of Standard Fixation: A Multicenter Randomized Controlled Trial	<a href="#">Koji Tamai, Japan</a>
16:20 – 16:30	Q & A	

**Laminopathy II**

16:30 – 16:34	<b>ID218</b> Is a Lamina Spacer Necessary in Cervical Laminoplasty for Compressive Myelopathy with Non-kyphotic Alignment? - Comparison Between Kirita-Miyazaki Method and Metal Spacer Method	<a href="#">Kenichiro Sakai, Japan</a>
16:34 – 16:38	<b>ID102</b> Comparison of Mid-term Effects of C3-6 and C3-7 Open-door Laminoplasty in Patients Without Spinal Cord Compression at C7 Segment	<a href="#">Zechuan Yang, China</a>
16:38 – 16:42	<b>ID110</b> The Trans-muscular Space Approach for Cervical Open Door Laminoplasty Enhance the Recovery Process After the Surgery	<a href="#">Yu Sun, China</a>
16:42 – 16:46	<b>ID251</b> The Utility of a Patient-specific Screw Guide Templating System for Posterior Cervical Instrumented Fusion as a Revision Surgery Following Anterior Instrumentation; A Two-case Report	<a href="#">Hidefumi Suzuki, Japan</a>
16:46 – 16:50	<b>ID65</b> Clinical Study of MRI Lamina Line Simulated Decompression to Predict the Effect of Cervical Laminoplasty	<a href="#">Yan Zhou, China</a>
16:50 – 16:54	<b>ID415</b> Does C3 Dome C7 Reverse Dome-hybrid open-door laminoplasty Prevent Adjacent Segment Disease? - A Retrospective Study of Clinical Outcome Data	<a href="#">Wang Chongyan, Singapore</a>
16:54 – 17:06	Q & A	



**Free Paper 8 Anterior Cervical Discectomy & Fusion I** - 22 March 2024 | 16:00 – 17:00 | Azalea II & III**Moderators:** [Chen Xiongsheng, China](#) | [Johannes Schroeder, Denmark](#) | [Vincent Nga, Singapore](#)

<b>ACDF I</b>		
16:00 – 16:04	<b>ID162</b> A Comparison of Self-locking-cage and Cage-with-plate Systems for Three-level ACDF: Minimum 2 Year Assessment of Clinical and Radiological Outcome	<a href="#">Truc Tam Vu, Vietnam</a>
16:04 – 16:08	<b>ID217</b> ACDF Using Zero-P System for Treatment of Cervical Spondylosis: A Meta-analysis	<a href="#">Hongfei Xiang, China</a>
16:08 – 16:12	<b>ID58</b> Cage Alone vs Plate Fixation Single-level Anterior Cervical Fusion: Outcomes, Adjacent Segment Degeneration, and Cervical Alignment Parameters	<a href="#">Jae-Won Shin, Korea</a>
16:12 – 16:16	<b>ID22</b> The Severity of Preoperative Cervical Disc Degeneration is an Important Risk Factor for Cervical Fusion Failure After Anterior Cervical Discectomy and Fusion	<a href="#">Tao Hu, China</a>
16:16 – 16:30	Q & A	
<b>ACDF II</b>		
16:30 – 16:34	<b>ID23</b> Anterior Cervical Discectomy and Fusion with a Zero-profile VA Spacer Device: A Clinical and Radiological Study with Two Years Follow-up	<a href="#">Tao Hu, China</a>
16:34 – 16:38	<b>ID353</b> Anterior Cervical X-shape-corpectomy and Fusion vs Anterior Cervical Corpectomy and Fusion for Two-level Cervical Spondylosis	<a href="#">Yao Minghe, China</a>
16:38 – 16:42	<b>ID198</b> Anterior Cervical Discectomy and Fusion (ACDF) versus Anterior Cervical Corpectomy and Fusion (ACCF) in Cervical Spondylotic Myelopathy Patients: An Updated Meta-analysis	<a href="#">Hubertus Corrigan, Indonesia</a>
16:42 – 16:46	<b>ID154</b> A Comparison of Anterior Cervical Discectomy and Fusion Using Autograft versus Allograft: Clinical and Radiological Outcomes	<a href="#">Chong Chen, China</a>
16:46 - 17:00	Q & A	

**Free Paper 9 Basic Science & Biomechanics I** - 22 March 2024 | 17:06 – 18:00 | Island Ballroom

**Moderators:** [Cai Siyi, China](#) | [Ming-Hsiao Hu, Taiwan](#) | [Jonathan Tan, Singapore](#)

**Basic Science & Biomechanics I**

17:06 – 17:10	<b>ID6</b> Different MRI-based Vertebral Bone Quality Scores for Bone Mineral Density Assessment in Patients Undergoing Cervical Spine Surgery: A Comparison Study	<a href="#">Zhe Wang, China</a>
17:10 – 17:14	<b>ID11</b> Deep Learning-enhanced Hand Grip and Release Test (DL-HGRT) for Degenerative Cervical Myelopathy: Shortening Assessment Duration to 6 Seconds	<a href="#">Yongyu Ye, China</a>
17:14 – 17:18	<b>ID27</b> Myth or Fact: 3D-printed Commercial Prosthesis is Superior Than Titanium Mesh Cage in Anterior Cervical Corpectomy and Fusion?	<a href="#">Lei Kuang, China</a>
17:18 – 17:22	<b>ID36</b> Causal Relationships Between the Immune Cells and Cervical Disc Disorders: An Univariable and Multivariable Mendelian Randomization	<a href="#">Si Cheng, China</a>
17:22 - 17:30	Q & A	

**Basic Science & Biomechanics II**

17:30 – 17:34	<b>ID180</b> Pathological and Molecular Regulation Characteristics of Ossified Nuchal Ligament With Different Sections	<a href="#">Chong Chen, China</a>
17:34 – 17:38	<b>ID186</b> Silicate Nanoplatelets Promotes Neuronal Differentiation of Neural Stem Cells and Restoration of Spinal Cord Injury	<a href="#">Tengfei Zhao, China</a>
17:38 – 17:42	<b>ID192</b> Biomechanical Evaluation of an Artificial Cervical Vertebra and Intervertebral Complex in a Goat Model	<a href="#">Jinghao Zhao, China</a>
17:42 – 17:46	<b>ID212</b> Exosomal miR-140-5p Inhibits Osteogenesis by Targeting IGF1R and Regulating the mTOR Pathway in Ossification of the Posterior Longitudinal Ligament	<a href="#">Yifan Tang, China</a>
17:46 – 18:00	Q & A	

**Free Paper 10 Anterior Cervical Discectomy & Fusion II** - 22 March 2024 | 17:00 – 18:00 | Azalea II & III**Moderators:** [Chen Zan, China](#) | [Kyung-Chung Kang, Korea](#) | [Lau Leok Lim, Singapore](#)**ACDF III**

17:00 – 17:04	<b>ID131</b> Bone Resorption Phenomenon After Combined Anterior-posterior Cervical Fusion Surgery	<a href="#">Jaenam Lee, Korea</a>
17:04 – 17:08	<b>ID276</b> Radiographic Characteristics of Caudal Segment in Multi-level Anterior Cervical Discectomy and Fusion: 'The Bony Buttress Formation'	<a href="#">Chang Hwa Ham, Korea</a>
17:08 – 17:12	<b>ID231</b> 3D-printed Titanium Vertebra and Titanium Mesh Cage in the Treatment of Cervical Spondylotic Myelopathy: A Comparison of Perioperative Parameters, Radiographic and Clinical Outcomes	<a href="#">Jun Dong, China</a>
17:12 – 17:16	<b>ID67</b> The Reconstruction of Anterior Column After Cervical Corpectomy With 3D-printed "Winged" Artificial Vertebral Body - Preliminary Clinical and Radiological Result	<a href="#">Tian Yi, China</a>
17:16 – 17:30	Q & A	

**ACDF IV**

17:30 – 17:34	<b>ID56</b> Safety and Efficacy of Anterior Cervical Discectomy and Fusion With Uncinate Process Resection: A Systematic Review and Meta-analysis	<a href="#">Wenlong Yu, China</a>
17:34 – 17:38	<b>ID168</b> Luschka Joint Fusion versus End Plate Space Fusion in Anterior Cervical Spine Surgery : A Prospective Randomized Controlled Trial	<a href="#">Sheng Xiaqing, China</a>
17:38 – 17:42	<b>ID361</b> Gender Disparities and Trauma Influence in Anterior Cervical Spine Surgery: A 1-year Retrospective Analysis of ACDF and ACCF in Dr. Moewardi Public Hospital	<a href="#">Rieva Ermawan, Indonesia</a>
17:42 – 17:46	<b>ID5</b> Cervical Vertebral Bone Quality Score Independently Predicts Zero-profile Cage Subsidence After Single-level Anterior Cervical Discectomy and Fusion	<a href="#">Yong Huang, China</a>
17:46 – 17:50	<b>ID272</b> Good Safety and Early Efficacy of Day Anterior Cervical Discectomy and Fusion to Treat Cervical Degenerative Diseases	<a href="#">Long Tang, China</a>
17:50 – 18:00	Q & A	

**Free Paper 11 OPLL** - 23 March 2024 | 08:15 – 09:15 | Island Ballroom

**Moderators:** [Moon Soo Park, Korea](#) | [Hiroshi Takahashi, Japan](#) | [Torphong Bunmaprasert, Thailand](#)

**OPLL I**

08:15 – 08:19	<b>ID75</b> The Influence of the Coexistence of Ankylosing Spine to the Patient with Cervical Ossification of the Posterior Longitudinal Ligament on the Health-related Quality of Life	<a href="#">Go Uesugi, Japan</a>
08:19 – 08:23	<b>ID189</b> Return to Work of Patients after Cervical OPLL Surgery Based on a Multicenter Survey	<a href="#">Kanji Mori, Japan</a>
08:23 – 08:27	<b>ID41</b> Effect of K-line on Posterior Cervical Surgery versus Anterior Cervical Surgery in Patients with Multi-level Ossification of Posterior Longitudinal Ligament	<a href="#">Jingwei Liu, China</a>
08:27 – 08:31	<b>ID223</b> True Continuous Segment of Ossification of Posterior Longitudinal Ligament is Protective Against Postoperative Early Kyphosis Progression following Laminoplasty	<a href="#">Sungjae An, Korea</a>
08:31 – 08:35	<b>ID49</b> Effect Analysis of Cervical Posterior Approach Single Open Door Surgery in Patients with K-negative Ossification of Posterior Longitudinal Ligaments of the Cervical Spin	<a href="#">Hongxiang Hong, China</a>
08:35 – 08:45	Q & A	

**OPLL II**

08:45 – 08:49	<b>ID229</b> Clinical Study of Anterior Controllable Antedisplacement Fusion for Cervical Ossification of the Posterior Longitudinal Ligament	<a href="#">Zan Chen, China</a>
08:49 – 08:53	<b>ID298</b> Incidence and Timing of Spontaneous Electromyographic Activity Alerts during Cervical Ossification of the Posterior Longitudinal Ligament Surgery: A Prospective Observational Study	<a href="#">Jun Hashimoto, Japan</a>
08:53 – 08:57	<b>ID125</b> Comparing CSM and OPLL for Complications after Anterior Cervical Spine Surgery	<a href="#">Motonori Hashimoto, Japan</a>
08:57 – 09:01	<b>ID86</b> A Special Type of Cervical Ossification of the Posterior Longitudinal Ligament	<a href="#">JiaNan Zhang, China</a>
09:01 - 09:15	Q & A	

**Free Paper 12 Basic Science & Biomechanics II and General** - 23 March 2024 | 08:15 – 09:15 | Azalea II & III**Moderators:** [Liang Guoyan, China](#) | [Bambang Darwono, Indonesia](#) | [Naresh Kumar, Singapore](#)**Basic Science & Biomechanics III**

08:15 – 08:19	<b>ID238</b> A Cadaveric Study on the Origin and Distribution of Blood Vessel of Longus Colli	<a href="#">Shuhao Zhang, China</a>
08:19 – 08:23	<b>ID319</b> Comparison of Titanium Mesh Cage, Nano-hydroxyapatite/Polyamide Cage, and 3D-printed Vertebral Body for Anterior Cervical Corpectomy and Fusion	<a href="#">Rong Xin, China</a>
08:23 – 08:27	<b>ID225</b> Comparison between the Bone Union Rates using Auto-iliac Bone and Bone Morphogenetic Protein Without Auto Bone in a Posterior Atlantoaxial Fusion Procedure: Results from a Minimum 1-year Follow-up	<a href="#">SangYun Seok, Korea</a>
08:27 – 08:31	<b>ID208</b> Artificial Intelligence Detection of Cervical Spine Fractures Using Convolutional Neural Network Models	<a href="#">Wongthawat Liawrungrueang, Thailand</a>
08:31 - 08:35	<b>ID414</b> 90 Days Morbidity Outcome for the Novel Technique of C3 Dome C7 Reverse Dome-hybrid Open-door Laminoplasty in C3-C7 Spinal Cord Compression - A Retrospective Study of Clinical Outcome Data	<a href="#">Tan Jun Hao, Singapore</a>
08:35 – 08:45	Q & A	

**General**

08:45 – 08:49	<b>ID164</b> Usefulness of Paravertebral Foramen Screw Insertion in Posterior Cervical Fixation Surgery	<a href="#">Yoshiki Terashima, Japan</a>
08:49 – 08:53	<b>ID104</b> Spontaneous Resolution of Syringomyelia After Development of a Cervical Disc Hernia	<a href="#">Mariko Kawamura, Japan</a>
08:53 – 08:57	<b>ID277</b> Association of Infliximab Use with Cervical Spine Deformity in Patients with Rheumatoid Arthritis	<a href="#">Carmen Vleggeert-Lankamp, Netherlands</a>
08:57 – 09:01	<b>ID412</b> Neurological Improvement After Debridement of Cervical Intradural and Extramedullary Tuberculosis Abscess: A Case Report	<a href="#">Muhammad Abdulhamid, Indonesia</a>
09:01 - 09:15	Q & A	

**Free Paper 13 Artificial Disc Replacement** - 23 March 2024 | 13:30 – 14:30 | Island Ballroom**Moderators:** [Zhou Feifei, China](#) | [Kenichiro Sakai, Japan](#) | [Shree Dinesh, Singapore](#)**Artificial Disc Replacement I**

13:30 – 13:34	<b>ID406</b> Closing the Debate: Anterior Cervical Discectomy and Fusion versus Cervical Disc Replacement for Single Level Cervical Degenerative Disc Disease	<a href="#">Didik Librianto, Indonesia</a>
13:34 – 13:38	<b>ID398</b> Cervical TDR is Superior to ACDF for Single Level Cervical Disc Prolapse: 5 Year Average Follow-up Study	<a href="#">Bharat R Dave, India</a>
13:38 – 13:42	<b>ID4</b> Literature Review of Anterior Bone Loss after Cervical Disc Replacement	<a href="#">Weiyang Zhong, China</a>
13:42 – 13:46	<b>ID55</b> A Minimum of Ten Years Follow-up on Radiological and Clinical Outcomes of Total Cervical Disc Replacement with Prodisc-C Prosthesis	<a href="#">Shuai Xu, China</a>
13:46 – 13:50	<b>ID97</b> A Comparative Study of the Effect of Facet Tropism on the Index-level Biomechanics after Artificial Cervical Disc Replacement with Prestige LP, Prodisc-C Vivo, and Mobi-C	<a href="#">Jing Li, China</a>
13:50 – 14:00	Q & A	

**Artificial Disc Replacement II**

14:00 – 14:04	<b>ID145</b> Is There a Relationship between Bony Fusion after Anterior Cervical Discectomy and Fusion and Heterotopic Ossification after Cervical Disc Arthroplasty in Hybrid Surgery?	<a href="#">Junbo He, China</a>
14:04 – 14:08	<b>ID153</b> Association of Craniocervical Sagittal Alignment with the Outcomes of Cervical Disc Replacement	<a href="#">Yi-Wei Shen, China</a>
14:08 – 14:12	<b>ID158</b> Three-dimensional Printing Motion-preserving Cervical Joint System Implantation for Treatment of Cervical Myelopathy	<a href="#">Xijing He, China</a>
14:12 – 14:16	<b>ID284</b> Bone Loss following Prestige-LP Cervical Disc Arthroplasty	<a href="#">Tingkui Wu, China</a>
14:16 - 14:30	Q & A	

**Free Paper 14 Endoscopic** - 23 March 2024 | 13:30 – 14:30 | Azalea II & III

**Moderators:** [Harrison Kim, Korea](#) | [Yudha Sakti, Indonesia](#) | [Wu Pang Hung, Singapore](#)

**Endoscopic I**

13:30 – 13:34	<b>ID333</b> Safety and Efficacy of Unilateral Biportal Endoscopy Decompression for Cervical Spondylotic Radiculopathy - A Single-center Prospective Study	<a href="#">Keyur Akbari, Australia</a>
13:34 – 13:38	<b>ID9</b> Posterior Percutaneous Endoscopic Cervical Circumferential Decompression Assisted by Ultrasonic Osteotome in the Treatment of Cervical Spondylotic Radiculopathy Accompanying with Osseous Foraminal Stenosis	<a href="#">Jun-Song Yang, China</a>
13:38– 13:42	<b>ID44</b> Posterior Percutaneous Endoscopy via Vertical Anchor Technique Combined with Trench Technique for Single-segmental Central Cervical Disc Herniation	<a href="#">Qingshuai Yu, China</a>
13:42 – 13:46	<b>ID115</b> Comparison of Clinical Outcomes Between Unilateral Biportal Endoscopic and Percutaneous Posterior Endoscopic Cervical Keyhole Surgeries for Treatment of Cervical Spondylotic Radiculopathy	<a href="#">Chen Chao, China</a>
13:46 - 14:00	Q & A	

**Endoscopic II**

14:00 – 14:04	<b>ID152</b> Posterior Percutaneous Endoscopic Cervical Discectomy for Residual Disc Fragments after Anterior Cervical Discectomy and Fusion: A Technical Note	<a href="#">Jianmin Wei, China</a>
14:04 – 14:08	<b>ID205</b> Minimally Invasive Keyhole Surgery for Cervical Radiculopathy, Percutaneous Endoscopy (PE) of Different Working Channel/UBE, How to Choose?	<a href="#">Guan Hanfeng, China</a>
14:08 – 14:12	<b>ID292</b> Clinical Study of Full Endoscopic Transoral Atlantoaxial Release and Reduction Combined with Posterior Internal Fixation in the Treatment of Irreducible Atlantoaxial Dislocation	<a href="#">Chongwen Wang, China</a>
14:12 – 14:18	Q & A	

**Free Paper 15 Cervical Deformity and Alignment** - 23 March 2024 | 16:40 – 17:40 | Island Ballroom

**Moderators:** Hiroshi Miyamoto, Japan | Kanji Mori, Japan | John Chen, Singapore

**Cervical Deformity**

16:40 – 16:44	<b>ID90</b> Halo Traction Combined with Posterior-anterior Approach Correction for Severe Cervicothoracic Junctional Kyphosis with Neurofibromatosis-1: Minimum 2 Years Follow-up	Cai Siyi, China
16:44 – 16:48	<b>ID124</b> Preoperative Frailty is Potential Risk Factor for Postoperative Kyphotic Change After Posterior Decompression of Cervical Spine	Shin Obara, Japan
16:48 – 16:52	<b>ID386</b> Impact of Intervertebral Foramen Area After Cervical Spinal Correction / Fixation Surgery	Terumasa Ikeda, Japan
16:52 – 16:56	<b>ID393</b> Cast Test: Surgical Outcome Prediction of Thoraco-lumbar Spine Correction Surgery for Sagittal Vertical Axis (+) Type Dropped Head Syndrome: A Report of Initial 5 Cases	Masao Koda, Japan
16:56 – 17:00	<b>ID114</b> Surgical Outcomes and Complications of Reconstructive Surgery for Cervical Myelopathy with Kyphotic Deformity	Yasutsugu Yukawa, Japan
17:00 - 17:10	Q & A	

**Alignment**

17:10 – 17:14	<b>ID220</b> Selective Modified K-line Interval can Predict Residual Anterior Compression of Spinal Cord After Posterior Decompression of Cervical Spine	Naoki Yamaguchi, Japan
17:14 – 17:18	<b>ID50</b> A Novel Classification that Define the Normal Cervical Spine: An Analysis based on 632 Asymptomatic Chinese Volunteers	Shuai Xu, China
17:18 – 17:22	<b>ID160</b> Cervical Sagittal Balance After Consecutive Three-level Hybrid Surgery versus Anterior Cervical Discectomy and Fusion: Radiological Results from a Single-center Experience	Shihao Chen, China
17:22 – 17:26	<b>ID211</b> Cervical Facet Joint Degeneration, Facet Joint Angle and Paraspinal Muscle Degeneration are Correlated with Degenerative Cervical Spondylolisthesis: A Propensity-score Matched Study	Wei Ye, China
17:26 - 17:30	<b>ID329</b> The Characteristics of Cervical Alignment in Hirayama Disease	Feizhou Lyu, China
17:30 - 17:40	Q & A	



**Free Paper 16 CSRSAP** – 24 March 2024 | 09:15 – 09:51 | Azalea II & III

**Moderators:** [Wang Xiangyang, China](#) | [Wayne Yap, Singapore](#) | [Jiang Lei, Singapore](#)

**CSRSAP**

09:15 – 09:19	<b>ID233</b> Diaphragmatic Paralysis after Cervical Spine Surgery: A Case Report	<a href="#">Jianfeng Guo, China</a>
09:19 – 09:23	<b>ID201</b> Complications and Risk Factors of ACAF for the Treatment of Cervical OPLL	<a href="#">Jinhao Miao, China</a>
09:23 – 09:27	<b>ID234</b> Strategizing Simultaneous Spinal Osteotomy and Total Hip Replacement in Ankylosing Spondylitis	<a href="#">Guo Chen, China</a>
09:27 – 09:31	<b>ID182</b> The Relationship Between Neck Pain and Cervical Sagittal Parameters : A Real World Study	<a href="#">Su Nan, China</a>
09:31 – 09:35	<b>ID195</b> Clinical Efficacy of Full-endoscopic Cervical Foraminoplasty for Cervical Radiculopathy with Uncovertebral Osteophytes	<a href="#">Li Shen, China</a>
09:35-09:39	<b>ID181</b> What Impact does Segmental Motion with Non-union after Anterior Cervical Discectomy and Fusion on Adjacent Segmental Degeneration?	<a href="#">Jae Jun Yang, Korea</a>
09:39 – 09:51	Q & A	

SSS I

Moderators: [Alex Teo](#) | [Jonathan Tan](#)

09:45 – 09:49	<b>ID351</b> The Impact of Adolescent Idiopathic Scoliosis on Flexion-Extension Range of Motion	<a href="#">Tan Zhi Wei Nicholas Matthias, Singapore</a>
09:49 – 09:53	<b>ID352</b> Post-operative Rod Straightening in Thoracoscopic Adolescent Idiopathic Scoliosis Correction is More Common with Skeletal Immaturity but does not Result in Increased Adverse Outcomes	<a href="#">Law Gin Way, Singapore</a>
09:53 – 09:57	<b>ID371</b> Single Stage Posterior Vertebral Column Resection (PVCR) for the Correction of Rigid & Severe Spinal Deformity - An Analysis of 28 Cases	<a href="#">Sharif Ahmed Jonayed Bangladesh</a>
09:57 – 10:01	<b>ID389</b> The Efficacy of Brace-compliance in Adolescent Idiopathic Scoliosis	<a href="#">Leow Zihui Gabriel, Singapore</a>
10:01 – 10:05	<b>ID409</b> Outcomes of Thoracoscopic Anterior Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis (AIS) for in Lenke 1 & 2 Curves – A 2 - 10 Year Follow-up Review	<a href="#">Poon Mu En Glenys, Singapore</a>
10:05 – 10:09	<b>ID402</b> Pre and Post 3D Printed PEEK Composites: A Detailed Compositional Analysis for Pptimized Tensile and Flexural Properties	<a href="#">SiJian Hui, Singapore</a>
10:09 – 09:51	Q & A	

**Free Paper 18 SSS II – 24 March 2024 | 10:35 – 11:17 | Azalea II & III**

**Moderators:** [Thomas Tan](#) | [Nishal Primalani](#)

10:35 – 10:39	<b>ID190</b> The Application of Self-stabilizing Screw in Prosthesis in the Reconstruction of the Lateral Atlantoaxial Joint	<a href="#">Jia Shao, China</a>
10:39 – 10:43	<b>ID181</b> What Impact does Segmental Motion with Non-union after Anterior Cervical Discectomy and Fusion on Adjacent Segmental Degeneration?	<a href="#">Jae Jun Yang, Korea</a>
10:43 – 10:47	<b>ID247</b> Structural Allograft and PEEK Cages have Similar Outcomes after 1 Year in Multilevel Anterior Cervical Fusion	<a href="#">Ngho Xian Jun, Singapore</a>
10:47 – 10:51	<b>ID242</b> Dynamic CT Imaging of the Cervical Spine in Patients with Atlantoaxial Instability	<a href="#">HaoZhang, China</a>
10:51 – 10:55	<b>ID355</b> Revolutionizing Care for Traumatic Cervical Spinal Cord Injury: The Integration of Expansion Duroplasty in Posterior Decompression – A Case Report	<a href="#">Katrina Angelie Piedad, Philippines</a>
10:55 – 10:59	<b>ID363</b> Clinical and Radiological Outcomes Following Foramen Magnum Decompression for Chiari 0 Malformation	<a href="#">Tan Chin Lik, Singapore</a>
10:59 – 11:11	Q & A	

**Free Paper 19 SSS III – 24 March 2024 | 13:40 – 14:22 | Island Ballroom**

**Moderators:** [Victor Wang](#) | [Ang Mu Liang](#)

13:40 – 13:44	<b>ID265</b> An Evaluation of Prognostic Scoring Systems for Survival in a Surgically Treated Cohort of 245 Patients	<a href="#">Lim Xinyi, Singapore</a>
13:44 – 13:48	<b>ID337</b> Navigated Endoscopic Biportal Lumbar Spine Surgery	<a href="#">Dhivakaran Gengatharan, Singapore</a>
13:48 – 13:52	<b>ID392</b> Endoscopic Techniques for Degenerative Spine: Where are We?	<a href="#">Bambang Darwono, Indonesia</a>
13:52 – 13:56	<b>ID128</b> The Oxford Spinal Sarcoma Service: Excellent Oncological Outcomes with a Centralised Multidisciplinary Approach to Primary Spinal Tumour Care	<a href="#">Tan Jiong Hao Jonathan, Singapore</a>
13:56 – 14:00	<b>ID129</b> Is Intraoperative Cell Salvage and Autogenic Transfusion a Risk Factor for Postoperative Metastases in Spinal Chordoma Surgery?	<a href="#">Tan Jiong Hao Jonathan, Singapore</a>
14:00 – 14:04	<b>ID399</b> Does Intraoperative Cell-salvaged Autologous Blood Transfusion in Metastatic Spine Tumour Surgery Improve Long-term Clinical Outcomes? A prospective Clinical Study	<a href="#">SiJian Hui, Singapore</a>
14:04 – 14:08	<b>ID259</b> Carbon Fiber Screws in Oncological Spine Surgery - A Case Series	<a href="#">Nghoh Xian Jun, Singapore</a>
14:08 – 14:22	Q & A	

**Free Paper 20 SSS IV – 24 March 2024 | 13:40 – 14:30 | Azalea II & III**

**Moderators:** [Chew Zhihong](#) | [Lim Yee Gen](#)

13:40 – 13:44	<b>ID419</b> Neurological survivorship following surgical decompression for cervical myelopathy	<a href="#">Graham Shea, Hong Kong</a>
13:44 – 13:48	<b>ID103</b> Clinical Outcomes of Unilateral Biportal Endoscopy Decompression for Degenerative Lumbar Canal Stenosis in the Elderly Population - A Single-center Retrospective Study	<a href="#">Keyur Kantil Akbari, Australia</a>
13:48 – 13:52	<b>ID178</b> Postoperative Intervertebral Height Loss in OLIF Patients –True Subsidence or “Artificial Settling”? A CT-based Analysis	<a href="#">Brjan Kaiji Betzler, Singapore</a>
13:52 – 13:56	<b>ID246</b> Preliminary Clinical and Radiological Outcomes of Single Position Prone Lumbar Interbody Fusion	<a href="#">Ngho Xian Jun, Singapore</a>
13:56 – 14:04	Q & A	
14:04 – 14:08	<b>ID197</b> Epidural Platelet-rich Plasma (PRP) versus Steroid on Low Back Pain in Patients with Prolapsed Intervertebral Discs: A Meta-analysis	<a href="#">Hubertus Corrigan, Indonesia</a>
14:08 – 14:12	<b>ID321</b> Early Intervention in Postop Discitis a Single Center Review	<a href="#">Abdul Satar, Pakistan</a>
14:12 – 14:16	<b>ID364</b> Comparison of Vertebral Wedge and Kyphotic Angle Between Modified Cortical Bone Screw Trajectory and the Traditional Pedicle Screw Trajectory in Thoracolumbar Fractures	<a href="#">Dipak Shrestha, Nepal</a>
14:16 – 14:20	<b>ID365</b> What does a Spine Surgeon needs to know about the use of Propofol in Total Intravenous Anaesthesia for Spine Surgeries?	<a href="#">Lim Xinyi, Singapore</a>
14:20 – 14:28	Q & A	