



Friday 22 March 2024

Time	Island Ballroom	Azalea II & III (mezzanine floor)
07:00 – 17:00	Registration	
07:30 – 07:45	<p>Opening and Welcome Address Gabriel Liu President of Cervical Spine Research Society Asia Pacific (CSRSAP) & President of Singapore Spine Society (SSS)</p>	
07:45 – 08:45	<p>Free Paper 1 – Trauma Moderators: Dipak Shrestha, Nepal Takeshi Aoyama, Japan Reuben Soh, Singapore</p>	<p>Free Paper 2 – Complication Moderators: Sharif Jonayed, Bangladesh Hee Hwan Tak Singapore John Ruiz, Singapore</p>
08:45 – 09:45	<p>Symposium 1 – Trauma: What is the Consensus? Moderators: Carmen Vleggeert-Lankamp, Netherlands Norimitsu Wakao, Japan Yin Fei, China</p> <p>08:45-08:53 Acute Odontoid Fracture for 60 Yrs vs 80 Yrs dd Patients – Hiroshi Takahashi, Japan</p> <p>08:53-09:01 Bilateral Facet Injury: Anterior vs Posterior vs Combined Approach – Wongthawat Liawrungrueang, Thailand</p> <p>09:01-09:09 Should We Fix or Correct the Deformity in Ankylosing Spondylitis Cervical Spine Fracture? – Jui-Teng Chien, Taiwan</p> <p>09:09-09:15 Q & A</p> <p>09:15-09:30 Case I & Discussion- Norimitsu Wakao, Japan 09:30-09:45 Case II & Discussion – Yin Fei, China</p>	
09:45 - 10:15	COFFEE BREAK	
10:15 – 11:15	<p>Free Paper 3 – Upper Cervical Spine I & Cervical Radiculopathy Moderators: Wang Shenglin, China Jin Sup Yeom, Korea</p>	<p>Free Paper 4 – Upper Cervical Spine II & Cervical Tumor Moderators: Jose Miquel, Philippines Joseph Thambiah, Singapore Masao Koda, Japan</p>
11:15 – 12:15	<p>Symposium 2 – How to Manage Cervical Radiculopathy Moderators: Alpesh Patel, USA Kazuya Kitamura, Japan Moon-Soo Park, Korea</p> <p>11:15-11:23 What Works in the Literature for Cervical Radiculopathy Surgery? - Zhou Feifei, China</p> <p>11:23-11:31 How to Manage Recurrent Radiculopathy at Index and Adjacent Level Therapy? – Young-Yul Kim, Korea</p> <p>11:31-11:39 What to do after C5 Palsy? - Kyung-Soo Suk, Korea</p> <p>11:39-11:45 Q & A</p> <p>11:45-12:00 Case I & Discussion - Kazuya Kitamura, Japan 12:00-12:15 Case II & Discussion – Moon-Soo Park, Korea</p>	
12:15 – 12:45	<p>CSRS-US President Lecture Moderator: Gabriel Liu, Singapore</p> <p>12:15-12:30 The Future of US Academic Orthopaedics: Will Value Lead the Way? – Alpesh Patel, USA</p> <p>12:30-12:40 Q & A</p> <p>12:40-12:45 Introduction to USA Annual Meeting</p>	

Friday 22 March 2024....

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	Group photo-taking	
12:45 – 13:30	MEDTRONIC Lunch Symposium – Advancement in Posterior Cervical Spine Surgery Moderator: Shree Dinesh, Singapore 12:45-12:50 Introduction 12:50-13:10 Advances in Posterior Cervical Fusion – Byung-Ho Lee, Korea 13:10-13:30 Q & A	
13:30 – 14:30	Free Paper 5 – <u>Myelopathy</u> Moderators: Yasutsugu Yukawa, Japan Yue Wai Mun, Singapore	Free Paper 6 – <u>Image</u> Moderators: Lyu Feizhou, China Shinji Tanishima, Japan Yeo Tseng Tsai, Singapore
14:30 – 15:30	Symposium 3 – Cervical Myelopathy In 2024 Moderators: Daniel Riew, USA Woo-Kie Min, Korea Po-Hsin Chou, Taiwan 14:30-14:38 Is there a Standard Care for Treatment of Spondylotic Cervical Myelopathy in 2024? – Masao Koda, Japan 14:38-14:46 Special Attention to Cervical Myelopathy Management Strategies in OPLL – Yoshii Toshitaka, Japan 14:46-14:54 How to Avoid Complication in Management of Cervical Myelopathy Patient with Spinal Deformity? – Dong-Ho Lee, Korea 14:54-15:00 Q & A 15:00-15:15 Case I & Discussion - Woo-Kie Min, Korea 15:15-15:30 Case II & Discussion - Po-Hsin Chou, Taiwan	
15:30 – 16:00	COFFEE BREAK	
16:00 – 17:00	Free Paper 7 – <u>Laminopathy</u> (16:00–17:06) Moderators: Woo-Kie Min, Korea Kazuya Kitamura, Japan Colum Nolan, Singapore	Free Paper 8 – <u>Anterior Cervical Discectomy & Fusion I</u> Moderators: Chen Xiongsheng, China Johannes Schroeder, Denmark Vincent Nga, Singapore
17:00 – 18:00	Free Paper 9 – <u>Basic Science & Biomechanics I</u> (17:06-18:00) Moderators: Cai Siyi, China Ming-Hsiao Hu, Taiwan Jonathan Tan, Singapore	Free Paper 10 – <u>Anterior Cervical Discectomy & Fusion II</u> Moderators: Chen Zan, China Kyung-Chung Kang, Korea Lau Leok Lim, Singapore
19:30 – 22:30	Presidential Dinner @Monti At 1-Pavilio (by invitation)	

CSRSAp Board Meeting, 17:00 – 18:30

Hibiscus I & II, mezzanine floor

(group photo-taking)

Saturday 23 March 2024

Time	Island Ballroom	Azalea II & III (mezzanine floor)
07:00 – 17:00	Registration	
07:30 – 08:15	<p>BAXTER Breakfast Symposium Moderators: Shree Dinesh, Singapore Jacob Oh, Singapore</p> <p>07:30-07:45 My Cervical UBE Journey – John Choi, Australia</p> <p>07:45-08:00 Haemostatic Challenges in Complex Cervical Surgery – Robin Pillay, Singapore</p> <p>08:00-08:15 Q & A</p>	
08:15 – 09:15	<p>Free Paper 11 – OPLL Moderators: Moon Soo Park, Korea Hiroshi Takahashi, Japan Torphong Bunmaprasert, Thailand</p>	<p>Free Paper 12 – Basic Science & Biomechanics II and General Moderators: Liang Guoyan, China Bambang Darwono, Indonesia Naresh Kumar, Singapore</p>
09:15 – 09:55	<p>CSRSAp Best Papers – Basic Science & Biomechanics Moderators: Wongthawat Liawrungrueang, Thailand Nodoka Manabe, Japan Judges: Hisanori Mihara, Japan Jong-Beom Park, Korea Carmen Vleggeert-Lankamp, Netherlands</p> <p>09:15-09:21 ID286 A New Evaluation Method for Neck Muscle Tension: Using Ultrasound-guided Needle Electromyography for the Study of Recruitment Response Changes during the Work of Cervical Deep Muscle against Gravity - Yin Fei, China</p> <p>09:21-09:27 ID222 Biomechanical Properties of Bicortical Laminae Screw Compared with Different Screw Fixation Methods on the Subaxial Cervical Spine - Eugene Park, Korea</p> <p>09:27-09:33 ID157 Effects of Decompression Surgery and Erythropoietin Combination on a Rat Model of Compression Myelopathy - Yuki Shiratani, Japan</p> <p>09:33-09:39 ID362 Deep Learning Model for Automatic Diagnosis of 'Sandwich' Deformity using X-ray Images – Xu Nanfang, China</p> <p>09:39-09:45 ID269 Deep Learning Model for Automated Detection and Classification of Degenerative Cord Signal Abnormality, Spinal Canal and Neural Foramina Stenosis on Cervical Spine MRI - Tan Jiong Hao Jonathan, Singapore</p> <p>09:45-09:55 Q & A</p>	
09:55 – 10:25	COFFEE BREAK	
10:25 – 11:10	<p>CSRSAp Best Papers - Clinical Moderators: Masatoshi Sumi, Japan Kyung-Soo Suk, Korea Judges: Hisanori Mihara, Japan Jong-Beom Park, Korea Carmen Vleggeert-Lankamp, Netherlands</p> <p>10:25-10:31 ID396 Cervical Kinematic MRI: Efficacy in Evaluation of Patients with Cervical Myelopathy - Bharat Dave, India</p> <p>10:31-10:37 ID76 Optimizing Postoperative Sagittal Alignment: The Effect of Pedicle Screw Fixation in 540° Combined Surgery for Degenerative Cervical Disease - Sang-Ho Kim, Korea</p> <p>10:37-10:43 ID366 Comparison of Surgical Outcomes between Laminoplasty, Posterior Decompression and Fusion, and Anterior Decompression and Fusion for K-line (-) Cervical OPLL - Masahiko Takahata, Japan</p> <p>10:43-10:49 ID343 A Novel Angle as One Predictor for Cage Placement Feasibility in Surgical Process of Basilar Invagination – Wang Yuqiang, China</p> <p>10:49-10:55 ID29 The Clinical and Radiological Results of Multi-level ACDF using Zero-profile Anchored Cages in Treating Degenerative Cervical Spinal Disorders: A Minimal 5 Year Follow-up Study - Lei Kuang, China</p> <p>10:55-11:10 Q & A</p>	

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11:10– 12:15	<p>CSRSAp Leaders Forum Moderators: Gabriel Liu, Singapore Vo Van Thanh, Vietnam</p> <p>11:10-11:18 Preliminary Results and Pitfall of O Arm Navigation assisted Cervical Spine Surgery - Ming-Hsiao Hu, Taiwan</p> <p>11:18-11:26 Comparison of Neck Pain Related Disability and Cervical Degenerative Changes on Magnetic Resonance Imaging among Nepalese Professional Porters and White-collar Workers - Dipak Shrestha, Nepal</p> <p>11:26-11:34 Anterior Cervical Surgery in Late Fracture Dislocation, How I do It? - Shah Alam, Bangladesh</p> <p>11:34-11:42 Factors Associated with Non-contiguous Spine Fracture in Patients with Traumatic Cervical Spine Fracture: A 10-year Retrospective Study – Torphong Bunmaprasert, Thailand</p> <p>11:42-11:50 To Fill or Not to Fill? Fusion Behavior of Cervical PEEK Cages Implanted Empty Compared to Fillings with Autologous Bone Graft – A Prospective Study - Johannes Schroeder, Germany</p> <p>11:50-11:58 Are Titanium Cages Better than PEEK Cages for Cervical Fusion? - Jose Miquel, Philippines</p> <p>11:58-12:06 The Role of Mesenchymal Stem Cell in Managing Spinal Cord Injury: Our Experience in application of Autologous vs Allogenic MSC - Yudha Sakti, Indonesia</p> <p>12:06-12:15 Q & A</p>	
12:15 – 12:45	<p>CSRS Europe and CSRS Asia Lecture Moderator: Hisanori Mihara, Japan</p> <p>12:15-12:25 Management of Rheumatoid Arthritis Cervical Pathology in 2024 – CSRS Europe, Carmen Vleggeert-Lankamp, Netherlands</p> <p>12:25-12:35 Treatment Strategy for Surgical Site Infection of Anterior Cervical Surgery – CSRS Asia, Jong-Beom Park, Korea</p> <p>12:35-12:45 Q & A</p>	
Group photo-taking		
12:45 – 13:30	<p>TRANSMEDIC Lunch Symposium Moderator: Li Yung Hua, Singapore</p> <p>12:45-13:00 Cervical ADR – “Why is Cervical Disc Arthroplasty Enticing and How to Keep it that Way”– Dharmendra Ganesan, Malaysia</p> <p>13:00-13:15 Clinical Data and Surgical Considerations on Ti-Active Stalif C-Ti No Profile Implant for ACDF – Ou Yang Youheng, Singapore</p> <p>13:15-13:30 Q & A</p>	
13:30 – 14:30	<p>Free Paper 13 – Artificial Disc Replacement Moderators: Zhou Feifei, China Kenichiro Sakai, Japan Shree Dinesh, Singapore</p>	<p>Free Paper 14 – Endoscopic Moderators: Harrison Kim, Korea Yudha Sakti, Indonesia Wu Pang Hung, Singapore</p>
14:30 – 15:35	<p>Symposium 4 – Artificial Disc Replacement Surgery: Where Are We Now and Where Are We Going? Moderators: Wong Hee Kit, Singapore Toshitaka Yoshii, Japan Rong Xin, China</p> <p>14:30-14:38 What is the Indications and Clinical Outcome Evidence on Artificial Disc Replacement? - Carmen Vleggeert-Lankamp, Netherlands</p> <p>14:38-14:46 How to Choose an ADR: Does the Design Matter? - Hisanori Mihara, Japan</p> <p>14:46-14:54 Surgical Tips and Tricks to Avoid ADR Complications and Revision – Daniel Riew, USA</p> <p>14:54-15:05 Q & A</p> <p>15:05-15:20 Case I & Discussion - Kenichiro Sakai, Japan</p> <p>15:20-15:35 Case II & Discussion – Rong Xin, China</p>	

Time	Island Ballroom	Azalea II & III (mezzanine floor)
COFFEE BREAK		
15:35 – 16:40	<p>Symposium 5: Cervical Endoscopic – The New Standard Moderators: Dong-Ho Lee, Korea Yang Jun-Song, China Jacob Oh, Singapore</p> <p>15:35-15:43 Cervical ULBD: Full Endoscopic, Unilateral Laminotomy Bilateral Decompression for Degenerative Cervical Pathology – Harrison Kim, Korea</p> <p>15:43-15:51 Biportal Endoscopic Techniques as a Novel Frontier in Degenerative Cervical Spine Treatment – Cheol-Wung Park, Korea</p> <p>15:51-15:59 Endoscopic for Cervical Spine Degenerative Deformity – Bambang Darwono, Indonesia</p> <p>15:59-16:10 Q & A</p> <p>16:10-16:25 Case I & Discussion – Yang Jun-Song, China 16:25-16:40 Case II & Discussion – John Choi, Australia</p>	
16:40 – 17:40	<p>Free Paper 15 – Cervical Deformity and Alignment Moderators: Hiroshi Miyamoto, Japan Kanji Mori, Japan John Chen, Singapore</p>	
17:40 – 18:30	<p>Symposium 6 – Cervical Deformity: The Challenges Moderators: Kazuhiro Chiba, Japan Yasutsugu Yukawa, Japan Bruce Darden, USA</p> <p>17:40-17:48 The Treatment Strategy for Sereve Cervical Kyphosis – Sun Yu, China</p> <p>17:48-17:56 How to Manage Post Laminoplasty Kyphosis? - Yasutsugu Yukawa, Japan</p> <p>17:56-18:04 Management of Challenges Cases in C₁ – C₂ Surgery – Jin-Sup Yeom, Korea</p> <p>18:04-18:12 Conservative Treatment for Dropped Head Syndrome - Hiroshi Miyamoto, Japan</p> <p>18:12-18:20 How to Avoid Complication in Cervical Osteotomy? – Daniel Riew, USA</p> <p>18:20-18:30 Q & A</p>	
18:30 – 19:30		<p>CSRSAp Members Meeting (group photo-taking)</p>
19:30 – 23:00	<p>Gala Dinner @Island Ballroom, Shangri-La Singapore</p>	

Time	Island Ballroom	Azalea II & III (mezzanine floor)
07:00 – 16:00	Registration	
07:30 – 08:15	<p>ENDOCARE ENDOSCOPIC Breakfast Symposium - Meet the Masters in Spinal Endoscopy Moderators: Wu Pang Hung Jacob Oh Huang Yilun</p> <p>07:30-07:35 Introduction</p> <p>07:35-07:50 Step by Step: Biportal En Bloc Removal of Ligamentum Flavum for Spinal Stenosis – Cheol-Wung Park, Korea</p> <p>07:50-08:05 Step by Step: Uniportal Fusion for Spondylolisthesis – Harrison Kim, Korea</p> <p>08:05-08:15 Q & A</p>	
08:15 – 09:15	<p>SSS Best Papers Presentation Moderators: Colum Nolan Ou Yang Youheng Judges: Chris Chan, Malaysia Ming-Hsiao Hu, Taiwan Yudha Sakti, Indonesia Sun Yu, China</p> <p>08:15-08:21 ID147 Cost Effectiveness of Navigated Robot-assisted Minimally Invasive Transforaminal Interbody Fusion (MIS-TLIF) - Joseph Wan, Singapore</p> <p>08:21-08:27 ID109 Development of a Web Application for Predicting AIS at Discharge in Spinal Cord Injury Patients: A Machine Learning Approach - Kyota Kitagawa, Japan</p> <p>08:27-08:33 ID372 Efficacy, Safety, and Reliability of Single Posterior Approach for Unstable Thoracolumbar Burst Fracture Treated with Anterior Reconstruction & Posterior Instrumentation - Sharif Jonayed, Bangladesh</p> <p>08:33-08:45 Q & A</p> <p>08:45-08:51 ID394 Long Term Outcomes of Thoracoscopic Anterior Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis (AIS) for in Lenke 1 & 2 Curves – 10 Year Follow-up Review - Poon Mu En Glenys, Singapore</p> <p>08:51-08:57 ID183 In Vivo Three-dimensional Kinematics Analysis of Cervical Spine after Posterior Atlantoaxial Fusion under Physiological Load – Wan Zongmiao, China</p> <p>08:57-09:03 ID254 Cage Obliquity in OLIF – How Common is it and What are the Effects on Fusion Rates, Subsidence and Sagittal Alignment? A CT Based Analysis - Brjan Betzler, Singapore</p> <p>09:03-09:15 Q & A</p>	
09:15 – 10:10	<p>SSS Asian Spine Societies President Forum Moderators: Tan Seang Beng Yeo Tseng Tsai Li Yung Hua</p> <p>09:15-09:23 Minimally Invasive Stabilization for Spinal Fractures – Chris Chan, Malaysia Spine Society</p> <p>09:23-09:31 Use of Vancomycin Powder in Cervical Laminoplasty - Michael Tse, Hong Kong Spine Society</p> <p>09:31-09:39 Management Strategies of Adult Spinal Tuberculosis - Binod Bijukachhe, Association of Spine Surgeons of Nepal</p> <p>09:39-09:47 Global Reconstruction in Post Tubercular Kyphotic Deformity - Shah Alam, Bangladesh Spine Society</p> <p>09:47-09:55 Vietnam-Natural Anatomical Pathway with Prone/Lateral Position for Pedicle Screw Insertion without C-Arm– Vo Van Thanh, Vietnam</p> <p>09:55-10:03 Cervical Artificial Disc Replacement in Japan: Historical Review and Present Status - Kuniyoshi Abumi, Japan</p> <p>10:03-10:10 Q & A</p>	<p>Free Paper 16 CSRASp (09:15-09:51) Moderators: Wang Xiangyang, China Wayne Yap, Singapore Jiang Lei, Singapore</p> <p>Free Paper 17 SSS I (09:51-10:27) Moderators: Alex Teo Jonathan Tan</p>
10:10 – 10:35	COFFEE BREAK	

Sunday 24 March 2024

Time	Island Ballroom	Azalea II & III (mezzanine floor)
10:35 – 11:05	<p>Symposium 7 – Diversity in Spine Surgery – Does It Really Make a Difference? Moderators: Fong Poh Ling Roy Koh</p> <p>Panelists: Carmen Vleggeert-Lankamp, Netherlands Eugene Yang, Singapore Reuben Soh, Singapore Shree Dinesh, Singapore Gamaliel Tan, Singapore</p>	<p>Free Paper 18 – SSS II Moderators: Thomas Tan Nishal Primalani</p>
11:05 – 11:35	<p>Symposium 8 - Young Surgeons Fellowship Moderators: Ng Yeong Huei Marcus Ling</p> <p>11:05-11:15 Australia – Terry Teo, Changi General Hospital, Singapore</p> <p>11:15-11:25 United Kingdom – Jonathan Tan, National University Hospital, Singapore</p> <p>11:25-11:35 Q & A</p>	
11:35 – 12:45	<p>Symposium 9 – Emerging Trends in Spine Surgery Moderators: Yue Wai Mun Lau Leok Lim Ling Ji Min</p> <p>11:35-11:43 Multirod Constructs in Spinal Deformity; the More the Merrier – Reuben Soh, Singapore</p> <p>11:43-11:51 Single Position Surgery – Lateral or Prone – Terry Teo, Singapore</p> <p>11:51-11:59 Endoscopic Fusion for Grade 1 Spondylolisthesis – Wu Pang Hung, Singapore</p> <p>11:59-12:07 My Experience with the Globus Robot After > 300 Cases – The Way of the Future – John Choi, Australia</p> <p>12:07-12:15 Eras in Spine Surgery – A Paradigm Shift? - Shree Dinesh, Singapore</p> <p>12:15-12:23 Does Titanium have to Give Way to Other Materials as a Choice for Spinal Implants? - Naresh Kumar, Singapore</p> <p>12:23—12:31 Anterior Non-fusion Surgery for Idiopathic Scoliosis - Wong Hee Kit, Singapore</p> <p>12:31-12:50 Q & A</p>	
Group photo-taking		
12:50 – 13:35	<p>GLOBUS Lunch Symposium – Utilization of Advanced Technology Moderator: Mark Tan</p> <p>12:50-13:05 Robotics – John Choi, Australia</p> <p>13:05-13:20 Cervical Disc Replacement – Terry Teo, Singapore</p> <p>13:20-13:35 Q & A</p>	

Time	Lotus Room (mezzanine floor)	Azalea II & III (mezzanine floor)
13:40 – 14:30	Free Paper 19 – SSS III Moderators: Victor Wang Ang Mu Liang	Free Paper 20 – SSS IV Moderators: Chew Zhihong Lim Yee Gen
14:30 – 15:45	Symposium 10 - The Case I Learnt Most in 2023 Moderators: John Chen Chua Soo Yong Yu Chun Sing	
	14:30-14:38 A Case of Cervical Fracture Subluxation – Dickson Chau , Sengkang General Hospital, Singapore	
	14:38-14:46 C7-T1 Pathological Fracture Secondary to Infection1 – Goh Chun Peng , National Neuroscience Institute, Singapore	
	14:46-14:54 CSF Leak in the Cervical Spine. What do I do? – Yeo Quan You , Woodlands Health Campus, Singapore	
	14:54-15:02 Massive Retroperitoneal Hematoma. IR or Open? – Kelvin Lor , Khoo Teck Puat Hospital, Singapore	
	15:02-15:10 Cervical Fixation with Navigated Intralaminar Screws – Eugene Lau , National University Hospital, Singapore	
	15:10-15:18 An Octogenarian Demands for Surgery - Joshua Decruz , Khoo Teck Puat Hospital, Singapore	
	15:18-15:45 Q & A	
15:45 – 16:00	Presentation of SSS Best Paper Awards and Closing Remarks	
16:00 – 16:30	SSS Members Update Meeting	
18:00 – 21:00	Post Meeting Dinner (by invitation)	