

APSS 6TH ANNUAL MEETING @ SPINEWEEK 2023

MCEC, MELBOURNE, AUSTRALIA

THEME: SPINE CONTROVERSIES AND RECENT ADVANCEMENTS

DAY 2 • 2ND MAY, TUESDAY @ EUREKA ROOM 3

0730 hrs	BEST PAPER PRESENTATION – BASIC SCIENCE <i>Moderators: Daisuke Sakai, Yong-Soo Choi</i>
0730 hrs	Introduction by Moderators
0732 hrs	Dural Repair: Efficacy Assessment Of Different Techniques, A Cadaveric Study Comparing The Naked Eye And Surgical Loupes <i>Roongrath Chitragran</i>
0737 hrs	The Electromyographic Discrepancy Of Paravertebral Muscles Predicts An Early Curve Progression Of Untreated Adolescent Idiopathic Scoliosis <i>Jason Pui Yin Cheung</i>
0742 hrs	Analysis Of The Cement Distribution Pattern And Other Risk Factors That Affect The Incidence Of Recompression Fractures Of Vertebral Bodies After Vertebroplasty Or Kyphoplasty <i>Minkyu Shin</i>
0747 hrs	Core Planar Cell Polarity Genes VANGL1 And VANGL2 In Predisposition To Congenital Scoliosis <i>Jason Pui Yin Cheung</i>
0752 hrs	Molecular Interactions Between Intervertebral Disc Host Proteins And Putative Pathogenic Effector Proteins In Degenerate Discs – A Predictive Insilico Analysis <i>Shanmuganathan Rajasekaran</i>
0757 hrs	Q & A SESSION
0808 hrs	BEST PAPER PRESENTATION – CLINICAL RESEARCH 1 <i>Moderators: Chris Yin Wei Chan, Jason Pui Yin Cheung</i>
0808 hrs	Introduction by Moderators
0810 hrs	Long-Term Outcomes Of Vertebral Body Sliding Osteotomy For The Treatment Of Cervical Myelopathy: A Minimum Of 5-Year Follow-Up <i>Sung Tan Cho</i>
0815 hrs	Computer-Assisted Diagnosis With Artificial Neural Networks For Odontoid Fracture Detection <i>Wongthawat Liawrungrueang</i>
0820 hrs	Establishing A Relationship Using CT Between Facet Distraction And Clinical Outcomes After ACDF <i>Jooyoung Lee</i>
0825 hrs	Conservative Treatment Of Atlantoaxial Rotatory Fixation <i>Yusuke Oshita</i>
0830 hrs	Curve Flexibility Assessment In Adolescent Idiopathic Scoliosis (AIS) With Major Main Thoracic Curve: Comparison And Correlation Between Physician-Supervised Supine Side Bending Radiographs Versus Supine Computed Tomography (CT) Scan <i>Josephine Rebecca Chandren</i>
0835 hrs	Q & A SESSION
0846 hrs	BEST PAPER PRESENTATION – CLINICAL RESEARCH 2 <i>Moderators: Ajoy Prasad Shetty, Yat-Wa Wong</i>
0846 hrs	Introduction by Moderators
0848 hrs	Reducing Surgical Site Infections After Spine Surgery: The Optimal Amount Of Normal Saline For Intra-Wound Irrigation <i>Wei Hsiung</i>
0853 hrs	Efficacy Of Vacuum-Assisted Closure In Postoperative Deep Spinal Infections: A Retrospective Analysis Of 31 Patients With Spinal Instrumentation <i>Shanmuganathan Rajasekaran</i>
0858 hrs	The Infection Control And Spinal Balance In Patients Receiving Percutaneous Endoscopic Debridement And Drainage (PEDD) For Infectious Discitis: A Retrospective Case Analysis <i>Hao-Wen Chen</i>
0903 hrs	Is Anterior-Only Approach A Reliable Surgical Strategy In Ankylosing Spondylitis Patients With Cervical Spine Fractures? <i>Ajoy Prasad Shetty</i>
0908 hrs	Atlas Osteosynthesis Screw Placement Using The Intersection Between Lateral Mass And Inferomedial Edge Of The Atlas Posterior Arch: Human Cadaveric Study <i>Torphong Bunmaprasert</i>
0913 hrs	Q & A SESSION
0924 hrs	BEST PAPER PRESENTATION – CLINICAL RESEARCH 3 <i>Moderators: Dong-Ho Lee, Kota Watanabe</i>
0924 hrs	Introduction by Moderators

0926 hrs	The 'Disc-Endplate-Bone-Marrow Complex' Classification – A Paradigm Shift In Our Understanding Of The Modic Vertebral Endplate Changes <i>Shanmuganathan Rajasekaran</i>
0931 hrs	Anterior Column Realignment Through Open Preposterior Release – Anterior-Posterior Fusion Versus Hybrid Minimally Invasive Anterior-Posterior Fusion For Dynamic Sagittal Imbalance Of The Spine <i>Joonghyun Ahn</i>
0936 hrs	The Criteria Of Severe Dynamic Sagittal Imbalance In Adult Spinal Deformity And Its Importance <i>Yong-Chan Kim</i>
0941 hrs	Mechanical Complications And Global Alignment And Proportion Score After Limited Long-Segment Fusion For De Novo Adult Spinal Deformity: Comparison Of Lateral Lumbar Interbody Fusion And Three-Column Osteotomies <i>Hiroshi Moridaira</i>
0946 hrs	Subcrestal Iliac Screw Technique As An Alternative For Spinopelvic Fixation Technique: A Cohort Study Of 73 Patients With A Modified Low Profile, Free Hand Technique For Insertion Of Subcrestal Iliac Screw <i>Glenys Poon</i>
0951 hrs	Q & A SESSION
1000 hrs	COFFEE BREAK
1030 hrs	SYMPOSIUM 4 PAEDIATRIC DEFORMITY – CURRENT MANAGEMENT TREND FROM EOS TO AIS <i>Moderators: Zhaomin Zheng, Brian Hsu</i>
1030 hrs	Introduction by Moderators
	(A) Growing Spine
1033 hrs	(i) Controversies Surrounding Traditional Growing Rod And MAGEC <i>Yat-Wa Wong</i>
1041 hrs	(ii) Is Tethering Technique The Future? <i>Leok Lim Lau</i>
1051 hrs	(iii) When Should We Fuse The Growing Spine? <i>Ajoy Prasad Shetty</i>
	(B) AIS
1100 hrs	(i) Shoulder Balance Matters: How To Select The Best UIV? <i>Mun Keong Kwan</i>
1109 hrs	(ii) Can We Fuse Short And Still Achieve Balance: How To Select The Best LIV? <i>Kota Watanabe</i>
1118 hrs	(iii) Is Maintaining Thoracic Kyphosis Important: What Corrective Maneuvers Should We Use? <i>Chris Yin Wei Chan</i>
1127 hrs	Q & A SESSION
1138 hrs	CASE DISCUSSION
1200 hrs	HONORARY LECTURE <i>Moderator: Shanmuganathan Rajasekaran</i>
1200 hrs	Introduction by Moderator
1205 hrs	Conferment of Award to APSS Honorary Member
1210 hrs	Durable Innovations In Spinal Surgery And Future Developments <i>K S Sivananthan</i>
1230 hrs	LUNCH BREAK
1400 hrs	FREE PAPERS SESSION 6 – PAEDIATRIC DEFORMITY SURGICAL LEVEL SELECTION <i>Moderators: Leok Lim Lau, Daisuke Sakai</i>
1400 hrs	Introduction by Moderators
1403 hrs	Curve Overcorrection Predicts Coronal Imbalance In Selective Thoracic Fusion In Adolescent Idiopathic Scoliosis <i>Jason Pui Yin Cheung</i>
1406 hrs	Directed Versus Non-Directed Standing Postures In Adolescent Idiopathic Scoliosis: Its Impact On Curve Magnitude, Alignment And Clinical Decision-Making <i>Jason Pui Yin Cheung</i>

1409 hrs	Fusion Block Tilt Following Corrective Surgery In Lenke 5 Adolescent Idiopathic Scoliosis (AIS) <i>Weng Hong Chung</i>
1412 hrs	Validation Of The Predictive Formula For Optimal Upper Instrumented Vertebra (UIV) Tilt Angle (Based On Pre-Operative Erect Radiograph) In Adolescent Idiopathic Scoliosis (AIS): A Comparison With The Calculated Optimal UIV Tilt Angle Derived From The Supervised Supine Side Bending Films (SSBF) <i>Weng Hong Chung</i>
1415 hrs	A Dedicated Spine Team Approach Optimised The Efficiency Of Operating Theatre Utilisation While Maintaining A Standard Patient Care In Adolescent Idiopathic Scoliosis Surgery <i>Sin Ying Lee</i>
1418 hrs	Comparison Of Perioperative Outcomes Among Adolescent Idiopathic Scoliosis (AIS) Patients Operated By A Dedicated Spine Team Approach: Were There Any Differences Between The First, Second And The Last Case? <i>Sin Ying Lee</i>
1421 hrs	Q & A SESSION
1430 hrs	SYMPOSIUM 5 SURGICAL VIDEO TECHNIQUES <i>Moderators: Shanmuganathan Rajasekaran, Mun Keong Kwan</i>
1430 hrs	Introduction by Moderators
1432 hrs	Instability In Spinal Tuberculosis <i>Pankaj Kandwal</i>
1442 hrs	AIS Correction Techniques <i>Abhishek Srivastava</i>
1452 hrs	Spinal Osteotomy: Management Of Neglected Adult Congenital Kyphosis Using PVCR <i>M Arif Khan</i>
1502 hrs	Endoscopic Decompression For Spinal Stenosis Using Biportal Approach Transforaminal Or Interlaminar <i>Si-Young Park</i>
1512 hrs	Q & A SESSION
1530 hrs	FREE PAPERS SESSION 7 – CERVICAL ALIGNMENT & HIGH CERVICAL PATHOLOGY <i>Moderators: Torphong Bunmaprasert, Dong-Ho Lee</i>
1530 hrs	Introduction by Moderators
1532 hrs	The Alternation Of Junctional Levels After Decompression And Alignment Correction For Cervical Kyphotic Deformity Induced Multilevel Cervical Myelopathy: A Retrospective Case Analysis <i>Hao-Wen Chen</i>
1535 hrs	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 <i>Sang Yun Seok</i>
1538 hrs	Predictive Equations For Cervical Lordosis And T1 Slope Of Young Adult Population Without Any Neck Symptoms: Analysis Of 171 Radiographs <i>Shankar Acharya</i>
1541 hrs	The Risk Of Injury To The Internal Carotid Artery During C1 Lateral Mass Screw Fixation <i>Ryo Kitagawa</i>
1544 hrs	Q & A SESSION
1600 hrs	COFFEE BREAK
1630 hrs	FREE PAPERS SESSION 8 – ADULT SPINAL DEFORMITY <i>Moderators: Chi-Chien Niu, Sharif Ahmed Jonayed</i>
1630 hrs	Introduction by Moderators
1632 hrs	Sarcopenia In Paraspinal Muscle As A Risk Factor Of Proximal Junctional Kyphosis And Proximal Junctional Failure After Adult Spinal Deformity Surgery <i>Jin Seong Park</i>
1636 hrs	Comparison Of Proximal And Distal Junctional Failures After Long Fusion Arthrodesis Stopping At L5: Incidences And Risk Factors <i>Sang-Il Kim</i>
1639 hrs	Surgical Strategy-Oriented Classification For The Patients With Severe Dynamic Sagittal Imbalance <i>Yong-Chan Kim</i>

1642 hrs	Comparison Of Surgical Outcomes Between 3-Column Osteotomy And Anterior-Posterior Fusion For Osteoporotic Vertebral Fracture <i>Shinji Takahashi</i>
1645 hrs	Difference Of Postoperative Radiologic Change On Sacro-Iliac Joint By Multi-Factors In Adolescent Idiopathic Scoliosis <i>Sang-Ho Kim</i>
1648 hrs	Erector Spinae Atrophy/Fatty Degeneration Is A Risk Factor For The Development Of Adult Spinal Deformity – Results Of A 6-Year Follow-Up Of A Large Cohort Of Residents <i>Keiji Nagata</i>
1651 hrs	The Role Of SPECT/CT In Analysing The Radiographic Prevalence Of Asymptomatic Degenerative Spondylosis In A Consecutive Cohort Of Patients Presenting With Cancer <i>Darren Lui</i>
1654 hrs	Q & A SESSION
1700 hrs	COMBINED KSSS-APSS SYMPOSIUM 6 HOW TO AVOID COMPLICATIONS IN ADULT SPINAL DEFORMITY SURGERY? <i>Moderators: Hee-Kit Wong, Yukihiro Matsuyama, Young-Woo Kim</i>
1700 hrs	Introduction by Moderators
1702 hrs	How To Select The LIV: Should We Always Fuse To The Ilium To Avoid DJK <i>Jason Pui Yin Cheung</i>
1710 hrs	How To Select UIV To Avoid PJK? <i>So Kato</i>
1718 hrs	So Many Classifications And So Many Radiographic Lines: Which One To Use? <i>Brian Hsu</i>
1726 hrs	How To Plan And Surgically Achieve An Ideal Lumbar Lordosis In ASD <i>Kyu Jung Cho</i>
1734 hrs	Does Coronal Balance Still Matters In ASD? <i>Kota Watanabe</i>
1742 hrs	Q & A SESSION
1752 hrs	CASE DISCUSSION
1830 hrs	FREE PAPERS SESSION 9 – PAEDIATRIC DEFORMITY CURVE PROGRESSION & OUTCOME STUDIES <i>Moderators: Muhammad Jawad Saleem, Alvin Pun</i>
1830 hrs	Introduction by Moderators
1831 hrs	The Relationship Between Compliance Of Physiotherapeutic Scoliosis Specific Exercises And Curve Regression With Mild To Moderate Adolescent Idiopathic Scoliosis <i>Jason Pui Yin Cheung</i>
1834 hrs	Randomized Controlled Trial Comparing Immediate Versus Gradual Brace Weaning For Adolescent Idiopathic Scoliosis <i>Jason Pui Yin Cheung</i>
1837 hrs	A Risk Quantification Reference Table For Progressed Adolescent Idiopathic Scoliosis Surgery: An Exact Case Matched Outcomes Analysis <i>Jun-Hao Tan</i>
1840 hrs	Multicenter Validation Of Using The Distal Radius And Ulna (DRU) Classification To Predict Scoliosis Progression – APSS Scoliosis Focus Group Study <i>Hideyuki Arima</i>
1843 hrs	The Impact On Spinal Deformity Progression Among Pediatric Patients With Sma Treated With Nusinersen <i>Kenny Yat Hong Kwan</i>
1846 hrs	Perception Of Spinal Deformity Among Patients With Adolescent Idiopathic Scoliosis <i>Leok Lau Lim</i>
1849 hrs	Comparison Of The Assessment Of Sanders Skeletal Maturity Using Single Low Radiation Dose Eos Spine Hand Radiography And Conventional Hand Radiography <i>Glenys Poon</i>
1852 hrs	Q & A SESSION
1900 hrs	APSS SOCIAL PROGRAMME: FUN & DINE (APSS Gala/Official Dinner & Sightseeing) <i>(Attended by APSS Faculty and Invited Guests only)</i>

END OF SESSION DAY 2