

25th Annual Scientific Conference of the Canadian Spine Society

ABSTRACT ID	PROGRAM CODE	START TIME	END TIME	PRESENTER FIRST NAME	PRESENTER LAST NAME	TITLE
FEB/25 - TUESDAY PODIUM PRESENTATIONS						
MODERATORS: TBA						
		1320	1450			#CPSS01 - #CPSS10: CPSS
19	#CPSS01	1320	1326	Vivien	Chan	Pediatric Spine Frailty Index Predicts Morbidity and Mortality in Spinal Deformity Surgery
99	#CPSS02	1327	1333	Rachelle	Imbeault	Evaluation of Biplane Radiographic Systems for Scoliotic Patients
180	#CPSS03	1334	1340	Jack	Legler	Rate of Spinal Osteochondromas Diagnosed via Advanced Imaging in Paediatric Patients with Hereditary Multiple Osteochondromas: A Systematic Review & Meta-Analysis
DISCUSSION		1340	1346	Q&A		
137	#CPSS04	1347	1353	Khaled	Skaik	The impact of Adverse Childhood Experiences on Fibromyalgia: A systematic review and meta-analysis of case-control studies.
61	#CPSS05	1354	1400	Hannah	Fonteyne	Enhanced Recovery Pathway for Patients with Adolescent Idiopathic Scoliosis Undergoing Posterior Spinal Instrumentation and Fusion Surgery: A matched controlled analysis.
193	#CPSS06	1401	1407	Monica	Chan	Integrated approach to back pain in the adolescent population
38	#CPSS07	1408	1414	Armaan	Malhotra	Traumatic spinal cord injury in children and adolescents: A 20-year review from the Hospital for Sick Children
DISCUSSION		1414	1422	Q&A		
93	#CPSS08	1423	1429	Antoine	Dionne	Prevalence and Prognosis of Scapular Pain Following Surgical Treatment of Adolescent Idiopathic Scoliosis: a Prospective Study to Guide Preoperative Counselling
150	#CPSS09	1430	1436	Karim	Aboelmagd	Pre-operative zoledronate is safe for children with medical complexity undergoing posterior spinal fusion for neuromuscular scoliosis
15	#CPSS10	1437	1443	Vivien	Chan	Allogeneic Transfusion is Associated with Adverse Events in Idiopathic Scoliosis Surgery
DISCUSSION		1443	1450	Q&A		

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FEB/26 - WEDNESDAY PODIUM PRESENTATIONS: PART I						
MODERATORS: TBA						
		0800	0930	#A11 - #A20: Deformity / Degenerative		
56	#A11	0800	0806	Daisy	Lu	Defining the Gaps in Transitional Care to Adulthood for Patient in Paediatric Surgical Specialties: A Scoping Review
81	#A12	0807	0813	Jennifer	Urquhart	Effect of mixing dissimilar metals on serum metal ion levels following spinal deformity surgery
184	#A13	0814	0820	Tiffany	Lung	Intraoperative Neuromonitoring Has Poor Correlation with Postop Neurological Deficits in Non-Cord Level Adult Deformity Surgery
		0820	0826	DISCUSSION	Q&A	
94	#A14	0827	0833	Abdullah	Eissa	Role of Somatosensory Evoked Potential (SSEP) in Enhancing Intraoperative Neuromonitoring for Spinal Deformity Surgery - Results from a Prospective Multicenter Study
9	#A15	0834	0840	Jennyfer	Chaves	Does fat matter? The association between extension of fusion and paraspinal muscle fat infiltration
47	#A16	0841	0847	Taryn	Ludwig	Pelvic incidence to lumbar lordosis association varies by Roussouly Morphotype
102	#A17	0848	0854	Aaazad	Abbas	Association between rod and fusion mass fractures in adult spinal deformity: a retrospective cohort study
		0854	0902	DISCUSSION	Q&A	
8	#A18	0903	0909	Ali	Ahmadi	Design And Implementation of a Novel Morselized Bone Interbody Cage In Posterior Lumbar Spinal Fusion: A Biomechanical Study
86	#A19	0910	0916	Raja	Rampersaud	Decompression versus decompression plus fusion for stable degenerative lumbar spondylolisthesis: comparing outcomes using propensity-score matched data
176	#A20	0917	0923	Andrew	Glennie	Reoperation Rates for Decompression and Fusion versus Decompression alone for Degenerative Spondylolisthesis: A Comparative Analysis
		0923	0930	DISCUSSION	Q&A	

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FEB/26 - WEDNESDAY PODIUM PRESENTATIONS: PART II						
MODERATORS: TBA						
		1200	1320	#B21 - #B29: Degenerative / Lumbar		
186	#B21	1200	1206	Mark	MacLean	Modic Change is Not Associated With Occult Discitis or Poor Clinical Outcome Among Patients Treated Surgically for Lumbar Disc Herniation: Prospective Cohort Study
145	#B22	1207	1213	Karlo	Pedro	Machine learning-driven clinical and imaging clustering of degenerative lumbar spondylolisthesis: Implications for stratified surgical care
68	#B23	1214	1220	Daniel	Smith	Which psychosocial measures are most strongly related to surgical outcomes in patients with degenerative pathology of the spine?
		1220	1226	DISCUSSION	Q&A	
111	#B24	1227	1233	Nathan	Evaniew	Acceptance and Commitment Therapy (ACT) for patients with degenerative spinal disorders and maladaptive psychological processes: An observational study
128	#B25	1234	1240	Celina	Nahanni	Assessing Construct Validity of Spine Adverse Events Severity System (SAVES-V2): Impact of adverse event (AE) severity grade on longitudinal patient-reported outcomes (PROMs).
72	#B26	1241	1247	Andrew	Glennie	A pilot randomised controlled trial (RCT) comparing traditional midline versus paramedian approaches to the lumbar spine for elective posterior/transforaminal lumbar interbody fusion (PLIF/TLIF) procedures
		1247	1253	DISCUSSION	Q&A	
96	#B27	1254	1300	Ramon	Barbosa	Uniportal versus Biportal Endoscopic Decompression for the Treatment of Lumbar Spinal Stenosis: A Systematic Review and Updated Meta-Analysis
152	#B28	1301	1307	Jay	Toor	Why Business Tools are Essential for Managing a Spine Program
172	#B29	1308	1314	Robert	Ravinsky	Relationship between Fatty Infiltration, Frailty, and Outcomes After Spinal Surgery
		1314	1320	DISCUSSION	Q&A	

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FEB/27 - THURSDAY PODIUM PRESENTATIONS: PART I						
MODERATORS: TBA						
		0900	1020	#C30 - #C38: Trauma / SCI		
143	#C30	0900	0906	Karlo	Pedro	Clinical trajectory and outcomes with surgical intervention for traumatic central cord syndrome: Impact of mechanism of injury
13	#C31	0907	0913	Ahmad	Essa	Optimal Tracheostomy Timing Following Traumatic Complete Spinal Cord Injury: A Comparative Analysis of Ultra-Early, Early and Delayed Practice
123	#C32	0914	0920	Samuel	Yoon	Early stabilization improves outcomes in unstable thoracolumbar fractures without neurological injury
		0920	0926	DISCUSSION	Q&A	
160	#C33	0927	0933	Said	Sadiqi	Functional outcomes between surgical and nonsurgical treatment for neurologically intact patients with thoracolumbar burst fractures
95	#C34	0934	0940	Antione	Dionne	Development of a classification-based algorithm for prognosticating community ambulation following acute traumatic spinal cord injury: a populational cohort study on 1209 patients.
100	#C35	0941	0947	Vivian	Le	Using oral midodrine to accelerate weaning of intravenous vasopressors in traumatic spinal cord injured patients admitted to the intensive care unit
		0947	0953	DISCUSSION	Q&A	
42	#C36	0954	1000	Vanessa	Noonan	Imaging-confirmed traumatic conus medullaris injury: factors associated with recovery in motor strength, ambulation capacity, bowel and bladder function
43	#C37	1001	1007	Husain	Shakil	Development and Validation of a Computed Tomography Based Artificial Intelligence Screening Tool for Acute Cervical Spine Trauma
103	#C38	1008	1014	Antoine	Dionne	The ElectroSacroGram (ESG): a point-of-care electrophysiological method for transforming neuro-sacral assessment following spinal cord injury/lesion (SCI/L).
		1014	1020	DISCUSSION	Q&A	

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MODERATORS: TBA						
		1630	1810	#D39 - #D49: Degenerative / Lumbar / Cervical		
62	#D39	1630	1636	Louis	Carrier	Rate of surgical site infection following spinal surgery and effectiveness of preoperative intranasal photodynamic disinfection therapy and chlorhexidine gluconate body wipes prophylaxis: A quality of care study
153	#D40	1637	1643	Christopher	Nielsen	Enhancing Patient Experience: Utilization of a Cross-Sectional Patient Experience and Education Survey to Identify and Implement Changes with Patient Educational Videos in Ambulatory Orthopaedic Spine Clinic
127	#D41	1644	1650	Brent	Rosenstein	Aquatic Exercise versus Standard Care on Paraspinal Muscle Morphology and Function in Chronic Low Back Pain Patients: A Randomized Controlled Trial
3	#D42	1651	1657	Ali	Fazlollahi	Duration of Subfascial Drainage and the Risk of CSF Leak and Infection Following Durotomy
		1657	1705	DISCUSSION	Q&A	
110	#D43	1706	1712	Ruheekh	Raj	Implementation of the ERAS Perioperative Consensus Protocol in lumbar fusion surgery at a single Canadian institution in Calgary, Alberta: early results of a 200-patient cohort.
5	#D44	1713	1719	Brandon	Herrington	Increased risk of surgical site infection after spine surgery with vancomycin surgical antibiotic prophylaxis when compared to cefazolin
53	#D45	1720	1726	Mathieu	Chayer	Understanding the influence of cage and instrumentation strategies with oblique lumbar interbody fusion for grade I spondylolisthesis – A comprehensive biomechanical modeling study
24	#D46	1727	1733	Hussein	Samhat	An Aging World, An Aging Spine: The Impact of Preoperative Frailty and Sarcopenia on Surgical Outcomes in Degenerative Cervical Myelopathy
		1733	1741	DISCUSSION	Q&A	
105	#D47	1742	1748	Jordan	Levett	Delayed surgical treatment for patients with Degenerative Cervical Myelopathy is associated with inferior outcomes for disability and health-related quality of life: A multicentre cohort study from the Canadian Spine Outcomes and Research Network
181	#D48	1749	1755	Nadav	Rinott	Laminoplasty for patients with Degenerative Cervical Myelopathy: An observational and comparative study of posterior cervical approaches from the Canadian Spine Outcomes and Research Network (CSORN)
33	#D49	1756	1802	Vivien	Chan	Cervical Laminectomy without Fusion versus Cervical Laminoplasty: Comparing Rate of Conversion to Fusion

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		1802	1808	DISCUSSION	Q&A	
FEB/28 - FRIDAY PODIUM PRESENTATIONS						
MODERATORS: TBA						
		0800	1030	#E50 - #E65: Degenerative / Cervical / Oncology		
63	#E50	0800	0806	James	McDonald	Treatment Modality and Outcomes in Patients with Mild DCM
120	#E51	0807	0813	Guillaume	Lonjon	Comparative Analysis of Lumbar Disc Herniation Treatment Outcomes: Conventional vs. Endoscopic Techniques in a Prospective Multicenter Study
40	#E52	0814	0820	Armaan	Malhotra	Anterior versus posterior surgery for degenerative cervical myelopathy: a cost-utility analysis
		0820	0826	DISCUSSION	Q&A	
66	#E53	0827	0833	Abdul	Al-Shawwa	Advanced Imaging Markers of Spinal Cord Demyelination Enhance the Prediction of Neurological Outcomes in Mild Degenerative Cervical Myelopathy
138	#E54	0834	0840	Isaac	Wangai	Anterior versus posterior surgery for two or three level compression in degenerative cervical myelopathy (DCM): Findings from the Canadian Spine Outcomes and Research Network.
82	#E55	0841	0847	Vishwathsen	Karthikeyan	A Comprehensive Assessment of the Influence of Frailty in Patients Undergoing Surgery for Degenerative Cervical Myelopathy
37	#E56	0848	0854	Nikolaus	Koegl	Patient's characteristics and outcomes associated with severe neck pain presentation in Degenerative Cervical Myelopathy: An observational study from the Canadian Spine Outcomes and Research Network
		0854	0900	DISCUSSION	Q&A	
185	#E57	0901	0907	Daniel	Kurtz	Physician Prediction of Ambulation Outcomes from Degenerative Cervical Myelopathy Surgery Improves with Machine Learning Clinical Tool
112	#E58	0908	0914	Newton	Cho	Assessment of spinal cord tract injury in degenerative cervical myelopathy
65	#E59	0915	0921	Raphael	Charest-Morin	Personalized blood biomarkers in surgically treated chordoma- A Pilote Study
		0921	0927	DISCUSSION	Q&A	

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		0800	1030	#E50 - #E65: Degenerative / Cervical / Oncology		
67	#E60	0927	0933	Anne	Versteeg	Minimal clinically important differences in the Spine Oncology Study Group Outcomes Questionnaire (SOSGOQ2.0) in patients with symptomatic spinal metastases
25	#E61	0934	0940	Marco	Perez Caceres	Automated Psoas Muscle Segmentation; Imaging Features and Surgical Fitness in Spinal Metastatic Lung Cancer
44	#E62	0941	0947	Husain	Shakil	Days Alive and At Home After Treatment of Spinal Metastases: Measurement and Validation of a Novel Patient Centered Outcome
		0947	0953	DISCUSSION	Q&A	
69	#E63	0954	1000	William	Chu Kwan	Recurrence and Survival Outcomes after Surgery for Spinal and Sacral Chordoma and Chondrosarcoma: a single-center 14-year retrospective review.
90	#E64	1001	1007	Alexandra	Rocha	Postoperative infections in immunocompromised, metastatic spine tumor patients
70	#E65	1008	1014	Anne	Versteeg	Towards Defining Frailty in the Metastatic Spine Population: An observational study from the Metastatic Tumor Research and Outcome Network (MTRON)
		1014	1020	DISCUSSION	Q&A	