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			CERVICAL DEGERNERATIVE		
P-66	Christopher	Lozano	Cervical Laminectomy for cervical myelopathy: Is there a role in the modern day? A systematic review and meta-analysis	73	Resident/Med Student
P-67	Christopher	Witiw	P-15 Peptide Enhanced Bone Graft in Cervical Spine Fusion: Radiological and Clinical Outcomes from a Prospective, Multicenter Clinical Study	104	
P-68	Ganesh	Swamy	Dual Fluroscopy Can Reveal Detailed Kinematics Following Cervical Total Disc Arthroplasty. Can it Predict Failure?	148	
P-69	Germain	Ngana	Novel Anterior Approach to the Cervical Spine: An Operative Technique	31	Resident/Med Student
P-70	Nathan	Evaniew	Implementation of the Minimum Clinically Important Difference for the Neck Disability Index is often problematic: A methodological review	126	
P-71	Negeen	Halabian	State of the Machine: A Critical Analysis of Machine Learning for Diagnosis and Prognostication of Degenerative Cervical Myelopathy – What Have We Learned, and Where Are We Going?	139	Resident/Med Student
P-72	Newton	Cho	Spinal cord tract-based prediction of clinical deterioration in mild degenerative cervical myelopathy	113	Fellows
P-73	Omar	Siddiqi	Cage subsidence in anterior discectomy and fusion (ACDF), a comparison between autograft, allograft, and synthetic devices.	131	Resident/Med Student
P-74	Ramon	Barbosa	Posterior vs Anterior Approach for the Treatment of Cervical Radiculopathy: Which is the Best Choice?	30	
P-76	Robert	Ravinsky	Hyoid Bone Level and Dysphagia after Anterior Cervical Discectomy and Fusions	177	
P-77	Thamer	Alfawaz	Impact of Age and Preoperative Myelopathy Severity on Surgical Outcomes in Degenerative Cervical Myelopathy	147	Fellows
P-78	Vishwathsen	Karthikeyan	Laminoplasty versus Laminectomy and Fusion in the Treatment of Degenerative Cervical Myelopathy: A Systematic Review and Meta-Analysis of Cost and Patient-Centered Outcomes	83	Resident/Med Student
P-79	Yan	Silva	Isolated decompression for bilateral C1-C2 accessory facet joint with compressive myelopathy: Case report and narrative review	159	
			SOCIOECONOMIC		
P-80	Andrew	Glennie	Variation in analgesia prescribing by surgeon: Which factors impact prolonged opioid use and unexpected follow-up for pain	71	
P-81	Eugene	Wai	Adverse childhood experiences and chronic low back pain: a systematic review and meta-analysis	32	Resident/Med Student
P-83	Jenna	Smith-Forrester	Innovative Spine Assessment Clinic Significantly Lowers Post-Op Emergency Department Visits	163	Resident/Med Student
P-84	Lauren	Barter	Evaluating the Socioeconomic Burden for Patients with Spinal Cord Injury in Nova Scotia	64	Resident/Med Student
P-85	Rachael	Jaffe	Surgery for Degenerative Conditions of the Spine: A Pan-Canadian Study of Income and Employment	36	
P-86	Robert	Ravinsky	Review of New Patient Visits to Orthopedic Spine Surgery: Which Referrals are Resulting in Surgical Intervention?	179	

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			DEFORMITY		
P-87	Stephen	Lewis	Surgical Intervention Enhances Social Function in Older Adults with Spinal Deformity: A PEEDS Database Study	92	Resident/Med Student
P-88	Chien	Yew Kow	L1 Pelvic angle and its relationship with pelvic incidence: a descriptive analysis in normal population	192	Fellows
P-89	Chloe	Cadieux	Risk Factors for Intra-operative Neuromonitoring Alerts	133	Fellows
P-90	Christopher	Nielsen	The Relationship Between Preoperative Thoracic Compensation and Reciprocal Change in Patients Undergoing Adult Spinal Deformity Surgery from Low Thoracic Spine to Pelvis	154	
P-91	Yan	Silva	3D-Printed vs. Freehand technique for pedicle screw placement in congenital scoliosis surgery: A systematic review and meta-Analysis	151	
P-92	Chien	Yew Kow	Thoracic kyphosis morphology: a cross-sectional, descriptive study of 440 asymptomatic adults	115	Fellows
P-93	Jennyfer	Chaves	The Hsu-lace: A novel technique to prevent PJF	4	Fellows
P-94	Tiffany	Lung	What are the risk factors for not reaching a patient-acceptable symptom state (PASS+) using the Oswestry Disability Index (ODI) after adult deformity surgery in patients above 60 years?	175	Fellows
P-95	Victoria	Smith	Research Priorities for Patients with Adult Spinal Deformity – a Modified Delphi Approach from the Canadian Spine Outcomes and Research Network	132	
P-96	Zhi	Wang	Do Surgeon Characteristics Influence the Variability in Decision Making in the Management of Patients with Adult Spinal Deformity?	169	Resident/Med Student
P-97	Chloe	Cadieux	Underreporting of Proximal Junctional Kyphosis and Failure in Adult Spine Deformity Surgery: A Multi-center Radiological Review Using Multiple Diagnostic Criteria	136	Fellows
P-98	Abdullah	Eissa	Is a 50% Loss in IONM signal the appropriate threshold in spinal deformity surgery?	98	Fellows
P-99	Vivien	Chan	Are Preoperative Hematological Screening Tests Associated with Allogeneic Transfusion in Idiopathic Scoliosis Surgery?	18	Fellows
P-100	Ariel	Zohar	Methodology for the SDIM Study: Standardizing Intraoperative Neuromonitoring in Complex Spinal Deformity Surgery	108	Fellows
P-102	David	Lebel	Staging growing rod insertion does not lower complication rate compared to non-staged procedures in early onset scoliosis	87	
P-103	Karim	Aboelmagd	High-grade pediatric spondylolisthesis: Pelvic retroversion corrects spontaneously after posterior spinal fusion	161	Fellows
P-104	Nuno	Batista	Clinical Outcomes and Complications of Halo-Gravitational Traction in the Management of Severe Neuromuscular and Syndromic Scoliosis: A Retrospective Cohort Study at a Tertiary Pediatric Center	59	Fellows
P-105	Rachelle	Imbeault	Vertebral Body Tethering for Immature Idiopathic Scoliosis: Prospective evaluation of radiological results and surgical complications	89	Resident/Med Student
P-106	Samuel	Yoon	Bipolar fusion in neuromuscular scoliosis: improved operative time and recovery, but at what cost?	26	Fellows
P-107	Vivien	Chan	Intra-operative Cell Salvage Reduces the Rate of Allogeneic Transfusion in Spinal Deformity Surgery	14	Fellows
P-108	Christopher	Nielsen	Predicting Change in Pelvic Tilt Following Long Fusions to the Pelvis Utilizing a Machine-Learning Approach	155	
P-109	Vivien	Chan	Longer Operative Time is Associated with Higher Risk of Adverse Outcomes in Pediatric Idiopathic Scoliosis Surgery	17	Fellows
P-110	Yan		Comparison of Safety and Effectiveness of Freehand to Intraoperative Navigation, and Robotically-performed Posterior Spinal Instrumented Fusion for Adolescent Idiopathic Scoliosis - A Systematic Review and Meta-Analysis	182	

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			LUMBAR DEGENERATIVE		
P-111	Aazad	Abbas	Comprehensive Analysis of the Prognostic Factors Associated with Reaching Minimally Clinically Important Differences Across Degenerative Lumbar Conditions: A CSORN Study	157	Resident/Med Student
P-112	Chloe		Influence of pelvic parameters on disc degenerative patterns and pathology; is there a difference between patients with lumbar disc herniations compared to spinal stenosis?	107	Fellows
P-113	Guillaume	Lonjon	Tubular vs Unilateral Biportal Endoscopy (UBE): MRI analysis after a unilateral laminectomy for bilateral decompression in lumbar spinal stenosis	121	
P-114	Hamidullah		Comparison of fusion rate, improvement of radiological parameters in patients who underwent L5/S1 posterior fusion surgery using polyetheretherketone (PEEK) versus titanium cages.	6	Resident/Med Student
P-115	Yan	Silva	Comparative efficacy of endoscopic discectomy versus microdiscectomy for L5-S1 lumbar disc herniation: A systematic review and meta-analysis	97	
P-116	Ramon	Barbosa	Comparative Efficacy of Uniportal and Biportal Endoscopic Techniques in the Treatment ofLumbar Spinal Stenosis: A Meta-Analysis	27	
P-117	Jieun	Kim	Subfascial Drain after Incidental Durotomy and Post-Operative Courses: A Retrospective Observational Study	10	Resident/Med Student
P-118	Mark	MacLean	The Degenerative Spondylolisthesis Instability Classification System and the Challenges of Creating a Surgical Decision Aid	187	Fellows
P-119	Guillaume		Comparison of functional results following lumbar discal herniation surgery by conventional technique or unilateral biportal endoscopy (UBE): A propensity score matched analysis	124	
P-120	Neil	Manson	The effects of preoperative psychological health on the outcomes of lumbar discectomy for radiculopathy due to disc herniation	74	
P-121	Ramon	Barbosa	Recurrent Disc Herniation: Does Endoscopic Surgery Offer Advantages Over Open Microdiscectomy?	23	
P-122	Renan	Fernandes	P-15 Peptide Enhanced Bone Graft in Posterolateral Fusion: A Prospective, Multicenter Clinical Study	134	
P-123	Erin		Examining the impact of successive revision spine surgeries on pain, disability, mental health, satisfaction, and length of stay: a Canadian Spine Outcomes and Research Network (CSORN) study	21	Resident/Med Student
P-124	Y. Raja	Rampersaud	The impact of overall lumbar disc degeneration burden on ODI outcomes following surgery for lumbar spinal stenosis due to osteoarthritis (LSS-OA)	75	
P-125	Hamidullah	Salimi	The effect of minimally invasive lumbar decompression surgery on sagittal spinopelvic alignment in patients with lumbar spinal stenosis: a 5-year follow-up study	7	Resident/Med Student
P-126	Yan	Silva	Minimally invasive decompression versus open laminectomy in multilevel lumbar stenosis - Meta-analysis	101	
P-127	Zhi	wyana	P-15 Peptide Enhanced Bone Graft in Lumbar Spine Surgery for Degenerative Disc Disease: Radiological and Clinical Outcomes from a Canadian Prospective Multicenter Study.	122	

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			NON-SURGICAL MANAGEMENT		
P-128	Alicia	Wright	The association between improvements in hip strength, low back strength and low back pain following a 10-week exercise intervention	174	
P-129	Brent	Rosenstein	The Effect of a Multimodal Physical Training Program versus No Exercise on Paraspinal Muscle Morphology and Patient Outcomes in Chronic Low Back Pain	129	
P-130	Daniel	VVOIte	Effect of a 10-week neuromuscular electrical stimulation intervention with the StimaWELL 120MTRS system on multifidus morphology and function in chronic low back pain patients	125	
P-131	Emma	Nadler	3D Topographic Acquisitions to Estimate Curve Magnitude in Adolescent Idiopathic Scoliosis	80	
P-132	Jennifer	Dermott	The Effect of a Mindfulness-Based Intervention and Peer Support on Quality of Life and Brace Compliance in Adolescents with Idiopathic Scoliosis: A Qualitative Study	88	
P-133	Marie	Beausejour	M-iBrace smart orthosis to improve adolescent idiopathic scoliosis patient empowerment and adherence to treatment.	146	
P-134	Vivien	Chan	Extension Stretching Exercises Improves Thoracic Hyperkyphosis	16	Fellows

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			ONCOLOGY				
P-136	Jérémie	Thibault	All-Posterior Corpectomy with Cage Reconstruction and Fusion for Metastatic Spinal Cord Compression : a Retrospective Study of 52 cases	165	Resident/Med Student		
P-137	Leonardo	Olijnyk	Experience of a Center for Spine Surgery in Metastatic Breast Cancer: Development of a Large Database and Preliminary Analysis of Prognostic Variables	116	Fellows		
P-138	Vivian	Le	The correlation between SINS score and overall survival in 103 consecutive cases operated for spine metastasis of breast cancer	91	Resident/Med Student		
P-139	Zh	Wang	Impact of the number of spinal metastases on the survival of lung cancer patients	119			
P-140	Anne	Versteeg	Primary bone tumors of spine in the paediatric population: a single center experience	173	Fellows		

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			TRAUMA / SCI		
P-141	Ahmad	Essa	Early versus Delayed Surgery for Central Cord Syndrome: An Observational Cohort Analysis Exploring Real-World Clinical Practices, Trends, and Safety Profile	11	Fellows
P-142	Naama	Rotem-Kohavi	Risk factors for complications in traumatic spinal cord injury: a retrospective analysis of a cohort of patients identified from administrative data	51	
P-143	Armaan	Malhotra	Timing of surgery for children and adolescents sustaining complete traumatic spinal cord injury	39	Resident/Med Student
P-144	Antoine	Dionne	Development of acute and late spasticity following traumatic spinal cord injury: prevalence, clinical predictors and the impact of initial severity of the injury.	106	Resident/Med Student
P-145	Gareth	Ryan	Outcomes Following Surgical Management of Spinopelvic Dissociation	183	Resident/Med Student
P-146	Jennifer	Lischynski	Traumatic Spinal Cord Injury in Manitoba: An Epidemiological Study	60	Resident/Med Student
P-147	Naama	Rotem-Kohavi	Incidence of non-traumatic spinal cord injury in Canada	141	
P-148	Karlo	Pedro	The Influence of Fracture Status in Determining the Effectiveness of Surgical Intervention in Central Cord Syndrome	144	Fellows
P-149	Michael	Fehlings	Early Surgery Improves Neurological, Functional, and Quality of Life Outcomes in Acute Traumatic Spinal Cord Injury: A Global Endpoint Analysis of 470 Patients from the Spine Trauma Study Group (STSG) Prospective Cohort	140	
P-150	Ahmad	Essa	Disparities in Surgical Timing Following Traumatic Complete Spinal Cord Injury: The Role of Insurance Coverage and Race	12	Fellows
P-151	Michael	Fehlings	The Sodium-Glutamate Antagonist Riluzole Improves Outcome after Acute Spinal Cord Injury: Results from RISCIS Randomized Controlled Trial Using a Global Statistical Analytic Technique	142	
P-152	Antione	Dionne	Do patients with non-traumatic vs. traumatic spinal cord injury have similar complication profiles during the acute care? A comparative study.	156	Resident/Med Student
P-153	Naama	Rotem-Kohavi	Epidemiology of Spinal Cord Injury in British Columbia, Canada: 15 years of population-based administrative data	49	
P-154	Ahmad	Essa	Timing of Gastrostomy Relative to Tracheostomy Following Complete Cervical Spinal Cord Injury: Impact on Hospitalization Outcomes and Complications Rates	188	Fellows
P-155	Jordan	Levett	Impact of Surgical Timing on Patients Undergoing Emergency Spine Surgery Without Neurological Symptoms: A Systematic Review	190	Resident/Med Student
P-156	Ramon	Barbosa	Endoscopy beyond disc herniation and Spinal Stenosis: Is there a place for spine endoscopy in the treatment of burst fracture?	22	
P-157	Said	Sadiqi	Validation of the AO Spine PROST (Patient Reported Outcome Spine Trauma) version 1.1 in patients with longstanding spinal cord injury	167	Fellows
P-158	Vanessa	Noonan	The International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI) – A comparison of use in persons with traumatic and non-traumatic spinal cord injury in acute and rehabilitation facilities across Canada	168	
P-159	Vincent	Ye	Rates of Non-operative Management and Secondary Overtriage of Spine Fracture Patients Transferred to Level I/II Trauma Centers	29	Resident/Med Student
P-160	Naama	Rotem-Kohavi	Long-term survival for Traumatic Spinal Cord Injury in British Columbia, Canada: a retrospective evaluation of 17 years of linked health care data	50	
P-161	Vishwathsen	Karthikeyan	Patient Outcomes in Incomplete Cervical Spinal Cord Injury Without Instability. A Retrospective Multi-Center Observational Cohort Study	84	Resident/Med Student

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P-162	Alexandre	Chenevert	Postoperative Spinal Epidural Hematomas: Are We Excessively Aggressive with Thromboprophylaxis?	170	Resident/Med Student
P-163	Robert	Ravinsky	Sex Disparities in Medicare Reimbursement, Case Volume and Practice Characteristics Among Cervical Spine Surgeons in the United States	171	
P-164	Jennifer	Dermott	Provincial epidemiological trends in adolescent idiopathic scoliosis over 17-years: Validating a population-based health administrative data algorithm for patient identification	52	
P-165	Curtis	Ostertag	Microbial colonization of orthopedic and spinal implants	109	Resident/Med Student
P-166	Mark	Driscoll	Validation of a Fast-Solving Rigid-Flexible Body Dynamic Model of the Spine for Use in Muscle Recruitment Optimization Problems	78	
P-167	Daisy	Lu	A Novel Two-Staged Technique for Large Soft Tissue Defect Reconstruction Following Multiple Dorsolumbar Surgeries	58	Resident/Med Student
P-168	Hamidullah	Salimi	Biglycan expression and its function in human ligamentum flavum	34	Resident/Med Student
P-169	Jay	Toor	The Spinal Invasiveness Score (SIS) Can Better Quantify Surgical Waitlists Across Canada	149	
P-170	Jin	Tong Du	Hospital Utilization Profile of Surgical Management of Degenerative Spine Diseases: A Comparative Analysis of Planned and Unplanned Procedures	162	Resident/Med Student
P-171	Khaled	Skaik	Comparison of primary versus revision lumbar spine surgery patients' pre-operative expectations.	135	Resident/Med Student
P-172	Leonardo	Olijnyk	Closing Dura with Non-Penetrating Metal Clips: Experience of a Center, Technique Description and Brief Operative Video (1-minute video if selected for podium)	118	Fellows
P-173	Ramon	Barbosa	Endoscopic Spinal Cord Stimulator Paddle Electrode Implantation: A Review of Techniques and Feasibility	28	
P-174	Sean	Murray	Role of TLF Structure in Lumbar Spine Stability: A Finite Element Investigation	166	
P-175	Tiffany	Lung	Elevated preoperative HbA1c is associated with perioperative glucose dysregulation in spine surgery patients.	164	Fellows
P-176	Daipayan	Guha	Evaluating the Validity of Simulation-based Education Models For Spine Surgery Training: A Scoping Review	178	
P-177	Daisy	Lu	Transitioning from Pediatric to Adult Scoliosis Care: Defining the Perspectives of these Patients during this Critical Period	57	Resident/Med Student
P-178	Drew	Mulhall	Endoscopic Spine Surgery: A Scoping Review of the Literature	130	Fellows
P-179	Jan	Jan Valošek	Automatic spinal cord MRI analysis using Spinal Cord Toolbox	76	
P-180	Ling Jing	Li	Bibliometric analysis of the literature on spine surgery based on data mining	35	
P-181	Siril	Dukkipati	Development of a Novel Rigid-Flexible Body Dynamic Model as a High-Fidelity Parametric Biomechanical Digital Twin of the Human Torso	77	
P-182	Taryn	Ludwig	SimuSpine: Design of a Realistic Simulator for Minimally Invasive Pedicle Instrumentation	45	Fellows
P-183	Vivien	Chan	Robotic-Assisted Direct Spondylolysis Repair: A Novel Minimally Invasive Technique	20	Fellows
P-184	Andy	Deprato	Bilingual Accessibility with Artificial Intelligence: Assessing the Ability of ChatGPT to Answer Patient Queries on Scoliosis in English and French	114	Resident/Med Student
P-185	Dorothy	Kim	Enhancing accuracy of adolescent idiopathic scoliosis diagnosis in community radiology: Machine learning versus manual measurement of Cobb angles	41	
P-187	Justin	Dufresne	Al-Powered 3D Reconstructions From Stereo-Radiographs: Is 3D Ready For Prime Time ?	191	
P-188	Taylor	1 111	Detecting and Monitoring Scoliosis Without Radiography: Validating the Use of Momentum SpineTM Artificial Intelligence Against Gold Standard Radiographic Imaging	85	