WEDNESDAY, 4 SEPTEMBER

15:00  **PAEDIATRIC SPINE SYMPOSIUM**

Millbrook Conference Centre

Chair: Bruce Hodgson

15:05  Allogenic RBC Transfusion Following Traditional Fusion Versus a Minimally-Invasive Growth-Friendly Technique for the Treatment of Neuromuscular Scoliosis

Kris Lundine (AU)

**Alastair Robson Award - SSA Meeting 2019**

15:13  A long-term 20 year follow up of posterior instrumented thoracic fusion for adolescent idiopathic scoliosis

Kenan Burrows (NZ)

15:21  A 20-year review of the radiologic outcomes following spinal arthrodesis in the setting of neuromuscular scoliosis secondary to Cerebral Palsy

Annabelle Dekker (NZ)

15:29  Discussion

15:42  Assessing Progressive Changes in Axial Plane Vertebral Deformity in Adolescent Idiopathic Scoliosis

Pawel Sowula (AU)


Paige Little (AU)

15:58  An MRI-based technique to assess progressive changes in 3D vertebral morphometry in adolescent idiopathic scoliosis

Hardy Jennings (AU)

16:06  Discussion

16:20  The Management of Scoliosis following an Infantile Hemipelvectomy for Ewings Sarcoma

Otis Shirley (NZ)

16:28  Five-year observational study of 30 patients treated with Magnetically Controlled Growing Rods (MGCR)

David Kieser (NZ)
### Programme information

**16:36**  
Vertebral body tethering in adolescent idiopathic scoliosis - A prospective look at early intraoperative, radiological and patient reported outcomes in a single surgeon series  
*George McKay (NZ)*

**16:44**  
Discussion

**17:00-10:00**  
Welcome function  
The Clubhouse, Millbrook

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**THURSDAY, 5 SEPTEMBER**

From **06:00**  
Breakfast available for all delegates in the Clubhouse from 6.00am to 10.45am

**08:00**  
Welcome  
*Rowan Schouten / Bruce Hodgson*

**08:10**  
Lumbar Discectomy: Common but not Simple  
*Christopher Bono (US)*  
Discussion

#### PAPERS (8-minute presentations)

**Chair:** *Antony Field (NZ)*

**08:50**  
Surgical management of recurrent lumbar disc herniation and the role of fusion  
*Alexander Swart (AU)*

**08:58**  
Simulated Repetitive Lifting Causes Lumbar Disc Herniation: A Clinically Relevant Biomechanics Cadaveric Study  
*Dhara Amin (AU)*

#### Spinal Research Award - SSA Meeting 2019

**09:06**  
Revisiting the Paraspinal approach: anatomic description of a novel structure to gain access to far-lateral disc herniations  
*Ali Ghahreman (AU)*

#### Rob Johnston Award – SSA meeting 2019

**09:14**  
Morphological Changes on MRI following Radiofrequency facet joint denervation  
*Thomas Nottage (AU)*
9:22  Discussion

9:35  Update: Radiation Safety in Paediatric Orthopaedics: Us & Them  
     Angus Gray (AU)

9:50  Discussion

10:00  Morning Tea

Spinal Oncology
     Chair: Rob Kuru

10:30  Update: Contemporary Management of Primary Spinal Tumours  
       Charles Fisher (CA)

     Discussion

10:50  Update: Promising Advances in the Management of Spine Metastasis  
       Laurence D Rhines (US)

     Discussion

PAPERS (8-minute presentations)

11:30  Metastatic spine disease: Should patients with short life expectancy be denied surgical care?  
       Nicolas Dea (CA)

11:38  A Phase One Trial on the use of Photodynamic Therapy in Vertebral Metastases  
       Albert Yee (CA)

11:46  Vertebrectomy in Metastatic Spinal Tumours: A 10 Year, Single-Centre Review of Outcomes and Survival  
       Sophia Roser (AU)

11:54  Adverse Events following Surgery for Primary Bone Tumors of the Spine and en bloc resection for metastasis  
       Raphaële Charest-Morin (CA)

12:02  Discussion

12:15  Lunch

PAPERS (8-minute presentations)
     Chair: Tom Geddes (NZ)
13:00  Anterior versus Posterior Approach in the Management of AO Type B1 & B2 Traumatic Thoracolumbar Fractures: A Level 1 Trauma Centre Study
   Terence Tan (AU)

13:08  Unstable Traumatic Thoracolumbar Fractures: Cohort definition, Surgical Outcomes & Clinical Sequelae
   Terence Tan (AU)

   Richard Cowley (NZ)

13:24  The Case for Emergency Reduction of the Dislocated Cervical Spine with Spinal Cord Injury in a Regional Centre
   Dave Lawson (NZ)

13:32  Discussion

13:45  Update: Lumbar Stress Fractures in Professional Cricketers
   Rowan Schouten (NZ)

14:00  Update: PEEK Interbody Cages
   Matthew Scott-Young (AU)

14:30  Afternoon Break

15:00  Value in Spine Surgery. A Primer
   Nicolas Dea (CA)

15:20  The Value of Quality Improvement Initiatives in Spine
   John Street (CA)

15:35  An Australian Perspective
   Michael Johnson (AU)

15:45  Value-Based Spine Care in the US: Current and Future Impact
   Christopher Bono (US)

16:00  Discussion

17:00  Depart from the lobby of Millbrook Resort to Queenstown waterfront
17:45  **Family evening**  
TSS Earnslaw Lake Cruise to Walter Peak High Country Farm  
22:00  Return coach transfer from Queenstown waterfront back to Millbrook Resort  

**FRIDAY, 6 SEPTEMBER**  
From 06:00  Breakfast available for all delegates in the Clubhouse from 6.00am to 10.45am  

**BEST PAPERS**  
Chair:  *Peter Robertson (NZ)*  

08:00  **Surgical Correction of Idiopathic Scoliosis without fusion. Application of a “Novel” Implant Device: First in human Study (A preliminary Report)**  
Bruce Hodgson (NZ)  
[Sequel to Debbie Scarlett Award (2014 CANZ meeting) 'Surgical correction of Adolescent Idiopathic Scoliosis without fusion: an animal model']  

08:08  **Effect of spinal decompression on back pain in lumbar spinal stenosis: a Canadian Spine Outcomes Research Network (CSORN) study**  
Nicolas Dea (CA)  
[Best papers - NASS 2018]  

08:16  **Prevalence and incidence of serious pathologies amongst patients undergoing MRI for low back pain**  
Katy Street (NZ)  

08:24  **Discussion**  

08:44  **Surgical management of spinal fractures in the absence of neurological injury: does timing of surgery influence patient outcome? A retrospective cohort study from the American College of Surgeons Trauma Quality Improvement Program database**  
Jeremie Larouche (CA)  
[Third place at the annual University of Toronto Gallie Day research update]
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| 08:52  | The effect of peri-operative adverse events on long-term patient reported outcomes after lumbar spine surgery  
  *Charles Fisher (CA)* |
| 09:00  | Posterior Instrumented Lumbar Fusion: A comparative analysis of patient outcome in Posterior Lumbar Interbody Fusion (PLIF) vs Postero-Lateral Lumbar Fusion (PLF) at 2 then 20 years minimum follow up  
  *Bruce Hodgson (NZ)* |
| 09:08  | Discussion                                                                                                                                 |
| 09:30  | Update: Cervical Myelopathy – Results from the CSS CSM Study  
  *Nicolas Dea (CA)* |
| 09:45  | Update: Variables that optimise lordosis in lumbar PLIF surgery  
  *Peter Robertson (NZ)* |
| 10:00  | Discussion                                                                                                                                 |
| 10:15  | **Morning Break**                                                                                                                         |
| 10:30  | **UPDATES ON THE AGING SPINE**                                                                                                            |
| 10:30  | Update: Frailty and Spine Surgery – Predicting the impact of physiological age on outcomes  
  *Raphaëlle Charest-Morin (CA)* |
| 10:45  | Update: Traumatic SCI (TSCI) in the elderly  
  *Alpesh Patel (NZ)* |
| 10:55  | Does Surgical Intervention alter outcomes in Elderly with TSCI?  
  Predicting Mortality Following TSCI in the Elderly  
  *Tom Inglis (CA/NZ)* |
| 11:05  | Adverse Events / Frailty / Sarcopenia  
  *John Street (CA)* |
| 11:15  | Discussion                                                                                                                                   |
Debate – Wake up! Lumbar Disc Arthroplasty is better than ALIF

New Zealand Orthopaedic Spine Society (NZOSS)
Moderator: John Cunningham (AU)

11:40
ALIF
John Ferguson (NZ)

11:50
TDR
Laurence McEntee (NZ/AU)

12:00
Free / Sports Afternoon (Take away lunch available)

13:00
Geoff Coldham Cup
Millbrook Golf Course
Free Evening

SATURDAY, 7 SEPTEMBER

From 06:00 Breakfast available for all delegates in the Clubhouse from 6.00am to 10.45am

PAPERS – DEGENERATIVE / ELECTIVE SURGERY

Chair: Albert Yee (CA)

08:00
Minimally Invasive Versus Open Transforaminal Lumbar Interbody Fusion Surgery: An Analysis of Perioperative Opiate Use, and Patient Reported Outcomes
Aaron Hockley (CA)

08:08
Does spondylolisthesis adjacent to a cervical disc arthroplasty increase the risk of adjacent level degeneration
David Kieser (NZ)

08:16
Concurrent Use of Lumbar Total Disc Arthroplasty and Anterior Lumbar Interbody Fusion: The Lumbar Hybrid Procedure for the Treatment of Multilevel Symptomatic Degenerative Disc Disease: A Prospective Study
Laurence McEntee (AU)

08:24
Discussion

08:34
An age and sex matched study on the effect of obesity on the functional outcomes and complication rates in patients with adult spinal deformity undergoing primary multi-level thoraco-lumbar spinal fusion
David Kieser (NZ)
08:42  Are there gender differences in outcome for elective spine surgery in Canada?  
*Vasudev Navalgund (CA)*

08:50  Simplified screening lumbar MRI reporting. A patient opinion survey study  
*Phillip Insull (NZ)*

08:58  Discussion

09:08  Differences in Surgical Practices Between Salaried and Fee-for-Service Surgeons for Degenerative Lumbar Conditions in a Universal Health Payer System  
*Nicolas Dea (CA)*

09:16  What Is the Evidence for Lumbar Spinal Fusion Surgery for The Epidemic of Low Back Pain Symptoms? A Futile Question Reflecting the Need for a Paradigm Shift Management Approach  
*David Johnson (AU)*

09:24  Does Smoking Cessation Prior To Elective Spinal Surgery Lead to Long Term Smoking Abstinence  
*Bruce Hodgson (NZ)*

09:34  Discussion

09:45  **Morning Break**

**SYMPOSIUM: CANNABIS FOR SPINE SURGEONS!**

**Moderator:** *Rowan Schouten (NZ)*

10:00  **Michelle Glass**  
*Department of Pharmacology and Toxicology, School of Biomedical Sciences, University of Otago, New Zealand*

10:15  **Jonathon Arnold**  
*The Lambert Initiative for Cannabinoid Therapeutics, Faculty of Medicine and Health, The University of Sydney, Australia*

10:30  Discussion

10:45  **SYMPOSIUM: TRAINING FUTURE SPINE SURGEONS – CHALLENGES AND OPPORTUNITIES**

**Moderator:** *Scott Paquette (CA)*
10:50  Current Perspectives and future developments in Spine Surgery Education in Canada  
Scott Paquette (CA)

11:05  Developing a Curriculum for Spine Fellowship in Canada  
Albert Yee (CA)

11:15  Spine Surgery Training in New Zealand  
Angus Don (NZ)

11:25  Australian Spine Surgery Training  
Michael Johnson (AU)

11:35  Discussion

11:45  Update: Future of Orthopaedic Decision Making  
Christopher Bono (US)

12:30  Lunch / Free Afternoon

12:45  NZOSS AGM

17:45  Coaches depart the lobby of Millbrook Resort to Kawerau Bungy Centre

18:00  Conference Dinner  
AJ Hackett Kawarau Bungy Centre

23:00  Return coaches back to Millbrook Resort with last coach at midnight