

# Preliminary program



Global Spine Congress  
**Toronto, Canada | May 15–18, 2019**

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# NASS pre-courses at Global Spine Congress

Venue: University of Toronto Surgical Skills Centre

|   |  |
|---|--|
| Monday, May 13, 2019<br>07:30-13:00<br>13:00-17:30    | Technological Advancements in Spinal Cord Stimulation<br>Technological Advancements in Spinal Cord Stimulation   |
| Tuesday, May 14, 2019<br>07:30-13:30<br>13:30-18:30   | Endoscopic Solutions for Lumbar Disc Herniation and Basic Endoscopic Techniques<br>Endoscopic Solutions for Lumbar Disc Herniation and Advanced Endoscopic Techniques                              |
| Wednesday, May 15, 2019<br>07:30-13:30<br>13:30-18:30 | Present and Future of Intraoperative Navigation, Robotics, and Minimally Invasive Spine Surgery<br>Present and Future of Intraoperative Navigation, Robotics, and Minimally Invasive Spine Surgery |
| Thursday, May 16, 2019<br>09:00-17:00                 | Advanced Techniques in Complex Spine Surgery   |

## Program at a Glance Wednesday, May 15, 2019










| 09:00-19:00 Participants Registration |  |  |   |  |
|---------------------------------------|--|--|---|--|
|                                       | Room 716   | Room 714   | Room 715  | Room 717   |
| 10:00-11:00                           |  |  |   |  |
| 11:00-12:00                           |  |  |   |  |
| 13:30-16:00                           | <b>Pre-course:</b><br>Update on Navigation, Robotics and Emerging Technologies | <b>Pre-course:</b><br>Conservative Care for Spine (MSK and Neurological) Conditions: Defining the Gap and Finding Rehabilitation Solutions | <b>Pre-course:</b><br>Adult Deformities and Quality of Life | <b>Pre-course:</b><br>Optimised Spine Surgery—Lumbar |
| 16:00-17:00                           |  |  |   |  |
| 17:00-17:45                           | <b>Members-only session:</b><br>How to Evaluate New Technologies               | <b>Members-only session:</b><br>How to Brand Yourself  |   |  |
| 17:45-18:30                           | <b>Members-only session:</b><br>How to be a Good Leader                        | <b>Members-only session:</b><br>The Good—the Bad—the Ugly—a Case that Taught Me a Lesson   |   |  |
| 18:45-19:30                           | <b>AOSpine Member Assembly</b>   |  |   |  |

### KEY

Paper sessions   Breaks and industry lunch symposia   Symposia   Precourses (pre-registration required)

AOSpine Members-only sessions. These sessions are for members only. Join AOSpine today at: [www.aospine.org/membership](http://www.aospine.org/membership)



|                    |   |  |  |   |   |
|--------------------|---|--|--|---|---|
| <b>07:50-09:00</b> | <br><b>Opening symposium: Cutting Edge Updates in Spine Surgery (Room 801)</b>   |  |  |   |   |
| <b>09:00-09:15</b> | <b>Congress opening (Room 801)</b>  |  |  |   |   |
| <b>09:15-10:00</b> | <b>Leadership in the Spine World (Room 801)</b>   |  |  |   |   |
| <b>10:00-10:30</b> | <b>Break</b>  |  |  |   |   |
|                    | <b>Room 716</b>   | <b>Room 714</b>  | <b>Room 715</b>  | <b>Room 717</b>   | <b>Room 713</b>   |
| <b>10:30-11:15</b> | <b>Degenerative—<br/>Cervical 1</b>   | <b>Trauma—Cervical 1</b>   | <b>Deformity—<br/>Thoracolumbar<br/>(Adult) 1</b>  | <b>Biomechanics 1</b>   |   |
| <b>11:15-12:00</b> | <b>Arthroplasty—Cervical</b>  | <b>Trauma—Cervical 2</b>   | <b>Infections 1</b>  | <b>Biomechanics 2</b>   |   |
| <b>12:00-13:30</b> | <b>Industry Lunch<br/>Symposia</b>  | <b>Industry Lunch<br/>Symposia</b>   | <b>Industry Lunch<br/>Symposia</b>   | <b>Industry Lunch<br/>Symposia</b>  | <b>Industry Lunch<br/>Symposia</b>  |
| <b>13:30-14:30</b> | <b>Symposium:<br/>Cervical Arthroplasty:<br/>Current Status<br/>and Expansion of<br/>Indications</b>  | <b>Symposium:<br/>Robotics in Spine<br/>Surgery</b>  | <b>Symposium:<br/>Role of Sacroiliac Joint<br/>in Low Back Pain: the<br/>Myth, the Truth, and<br/>the Solutions</b>  | <b>Symposium hosted by:<br/>AOSpine Middle East<br/>and Northern Africa</b><br><br><b>AOSPINE</b><br><small>MIDDLE EAST and NORTHERN AFRICA</small><br>How to Achieve with<br>Limited Resources | <b>Symposium hosted by:<br/>AOSPINE</b><br>Getting to Know the<br>AOSpine Knowledge<br>Forums: Latest<br>Advances, Clinical<br>Impact, and Future<br>Directions   |
| <b>14:30-15:00</b> | <b>Surgical<br/>Complications 1</b>   | <b>Trauma—<br/>Thoracolumbar 1</b>   | <b>Degenerative—<br/>Cervical 2</b>  | <b>Tumor 1</b>  |   |
| <b>15:00-15:30</b> | <b>Break</b>  |  |  |   |   |
| <b>15:30-16:15</b> | <b>Minimally Invasive<br/>Spine Surgery 1</b>   | <b>Degenerative—<br/>Lumbar 1</b>  | <b>Deformity—<br/>Thoracolumbar<br/>(Adolescent) 1</b>   | <b>Tumor 2</b>  | <b>Symposium hosted by:<br/>Global Spine Journal</b><br>   |
| <b>16:15-17:00</b> | <b>Minimally Invasive<br/>Spine Surgery 2</b>   | <b>Degenerative—<br/>Lumbar 2</b>  | <b>Deformity—<br/>Thoracolumbar<br/>(Adolescent) 2</b>   | <b>Degenerative—<br/>Cervical 3</b>   | Part A: Creating a<br>Successful Spine<br>Research Program  |
| <b>17:00-18:00</b> | <b>Symposium hosted by:<br/>North American Spine<br/>Society</b><br><br>Current Innovation<br>and Future Trends<br>in Spine Care: From<br>Stem Cell, Robotic<br>Assisted Spine Surgery<br>to Neuromodulation | <b>Symposium hosted by:<br/>Cervical Spine<br/>Research Society</b><br><br>FOUNDED 1973<br>Cervical Deformity | <b>Symposium hosted by:<br/>AANS/CNS Section on<br/>Disorders of the Spine<br/>and Peripheral Nerves</b><br><br>ERAS and Reduction<br>of Opioid Usage | <b>Symposium hosted by:<br/>International Society<br/>for the Study of the<br/>Lumbar Spine</b><br><br>Spine Degeneration<br>and Phenotyping—<br>Clinical Impact and<br>Future Directions      | <b>Symposium hosted by:<br/>AOSpine Knowledge<br/>Forum Trauma</b><br><br>AOSpine Osteoporotic<br>Fracture Classification<br>+ Outcome in Spinal<br>Trauma |
| <b>18:00-19:30</b> | <b>Welcome Reception &amp; Official Exhibition Opening</b>  |  |  |   |   |




# Program at a Glance

## Friday, May 17, 2019

|                    | Room 716  | Room 714  | Room 715   | Room 717   | Room 713   |
|--------------------|---|---|--|--|--|
| <b>08:00-09:00</b> | <p><b>Symposium:</b><br/>Navigation in Spine Surgery—The Essentials</p>   | <p><b>Symposium:</b><br/>Implants Failure in Patients Operated on with Pedicle Screw Fixation—Prevention and Revision Strategies</p>  | <p><b>Symposium hosted by:</b><br/>AOSpine Knowledge Forum Tumor</p>  <p>7 Rules to Treat Metastatic Spine Disease: an Antidote to Failure</p>        | <p><b>Symposium hosted by:</b><br/>AOSpine Knowledge Forum Degenerative</p>  <p>Controversies on the Treatment of Degenerative Spondylolisthesis with Stenosis</p>                  | <p><b>Symposium:</b><br/>Bone Biologics for Spine: Facts vs Fiction</p>  |
| <b>09:00-10:00</b> | Novel Technologies 1  | Trauma—Thoracolumbar 2  | Degenerative—Cervical 4  | Pain and Clinical Evaluation   |  |
| <b>10:00-10:30</b> | Break   |   |  |  |  |
| <b>10:30-11:30</b> | Deformity—Thoracolumbar (Adult) 2   | Tumor 3   | Degenerative—Cervical 5  | Basic Science  | <p><b>Symposium hosted by:</b><br/>Global Spine Journal</p>  <p>Part B: Getting Published</p>   |
| <b>11:30-12:30</b> | Deformity—Thoracolumbar (Adolescent) 3  | Tumor 4   | Infections 2   | Epidemiology   |  |
| <b>12:30-14:00</b> | Industry Lunch Symposia   | Industry Lunch Symposia   | Industry Lunch Symposia  | Industry Lunch Symposia  | Lunch Break  |
| <b>14:00-15:00</b> | <p><b>Symposium hosted by:</b><br/>AOSpine Knowledge Forum Deformity</p>  <p>Appropriate Use of Surgery in the Elderly Patient with Spinal Deformity</p> | <p><b>Symposium hosted by:</b><br/> AOSPINE ASIA PACIFIC</p> <p>Cervico-Thoracic Junction Pathologies</p>                            | <p><b>Symposium:</b><br/>Quality and Safety: Why is it Important in Spine Surgery?</p>   | <p><b>Symposium:</b><br/>Management of The Aging Spine: Less Invasive Surgical Considerations and Medical Treatment Options</p>  | <p><b>Symposium hosted by:</b><br/> AOSPINE NORTH AMERICA</p> <p>AOSpine North America Fellowship: Research Award Winners</p>                                     |
| <b>15:00-15:30</b> | Deformity—Thoracolumbar (Adult) 3   | Trauma—Cervical 3   | Degenerative—Lumbar 3  | Imaging 1  |  |
| <b>15:30-16:00</b> | Break   |   |  |  |  |
| <b>16:00-17:00</b> | Deformity—Cervical  | Novel Technologies 2  | Minimally Invasive Spine Surgery 3   | Imaging 2  |  |
| <b>17:00-18:00</b> | <p><b>Symposium hosted by:</b><br/>Scoliosis Research Society</p>  <p>State of the Art Review of Spinal Deformity</p>                                    | <p><b>Symposium hosted by:</b><br/>Eurospine</p>  <p>How to Prevent and Treat Complications in Degenerative Lumbar Spine Surgery</p> | <p><b>Symposium hosted by:</b><br/>Russian Association of Spine Surgeons</p>  <p>Spine Surgery in Russia: Achievements &amp; Outstanding Issues</p> | <p><b>Symposium hosted by:</b><br/>Canadian Spine Society</p>  <p>The Creation, Output and Impact of a National Spine Outcomes Research Network; How it Changes your Practice</p> | <p><b>Symposium hosted by:</b><br/>World Federation of Neurological Societies</p>  <p>Surgical Options for the Management of Degenerative Cervical Myelopathy</p> |

# Program at a Glance

## Saturday, May 18, 2019

|                    | Room 716  | Room 714  | Room 715   | Room 717  | Room 713  |
|--------------------|---|---|--|---|---|
| <b>07:30</b>       |   |   |  |   |   |
| <b>08:00-09:00</b> | <p>Symposium hosted by:<br/>AOSpine Knowledge Forum Trauma</p>  <p>Classification and Treatment of Traumatic Spine Fractures</p> | <p>Symposium hosted by:<br/><b>AOSPINE</b><br/>NORTH AMERICA</p> <p>Current Concepts in Cervical Spine Trauma</p> | <p>Symposium:<br/>How to Incorporate Spinal Endoscopy into your Practice</p> | <p>Symposium:<br/>Treatment Considerations for Pyogenic Spinal Infection</p>  | <p>Symposium hosted by<br/>AOSpine Knowledge Forum Tumor</p>  <p>Primary Spine Tumor Round Table</p> |
| <b>09:00-10:00</b> | <b>Trauma</b>   | <b>Minimally Invasive Spine Surgery 4</b>   | <b>Surgical Complications 2</b>  | <b>Novel Technologies 3</b>   |   |
| <b>10:00-10:30</b> | <b>Break</b>  |   |  |   |   |
| <b>10:30-11:15</b> | <b>Degenerative—Cervical 6</b>  | <b>Minimally Invasive Spine Surgery 5</b>   | <b>Deformity—Thoracolumbar (Adult) 4</b>                                     | <b>Novel Technologies 4</b>   |   |
| <b>11:15-12:15</b> | <p>Symposium:<br/>Biomaterials and Biotechnologies for Spine Fusions and Disc Regeneration</p>  | <p>Symposium:<br/>Advances in Spine Tumor Treatment—a Worldwide Multi-Disciplinary Approach</p>                   | <p>Symposium:<br/>Sagittal Balance and Minimally Invasive Surgery</p>        | <p>Symposium hosted by:<br/>AOSpine Knowledge Forum Spinal Cord Injury</p>  <p>Guidelines for the Management of Degenerative Cervical Myelopathy and Traumatic Spinal Cord Injury: What Do We Know? What Should We Do?</p> | <p>Symposium:<br/>Video Surgical Technique</p>  |
| <b>12:15-13:00</b> | <b>Best Paper Session (Room 716)</b>  |   |  |   |   |
| <b>13:00-13:15</b> | <b>Awards and Closing Ceremony (Room 716)</b>   |   |  |   |   |
| <b>13:15-14:00</b> | <p><b>Closing Symposium (Room 716)</b><br/>Minimally Invasive Spine Surgery: Techniques, Opportunities, Frontiers</p>   |   |  |   |   |