

## CME INFORMATION

### TARGET AUDIENCE

This course is designed for orthopaedic and neurological surgeons, fellows, and residents.

### PROGRAM GOAL

To provide participants with a thorough summary of the rationale, challenges, opportunities, and techniques in minimally invasive spine surgery

### LEARNING OBJECTIVES

As a result of this activity, the participant should be better able to:

- Describe the rationale, advances, surgical tips, and complications associated with current MISS techniques, including lateral, TLIF, and endoscopic.
- Discuss MISS treatment options and their outcomes for the management of spinal deformity, cervical and lumbar degenerative, trauma, and tumor conditions.
- Evaluate new technologies for various MISS challenges, including use of endoscopy, robotics, and artificial intelligence.
- Describe learning options to enhance MIS surgical skills.

### PHYSICIAN ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Medical Education Resources (MER) and SMISS. MER is accredited by the ACCME to provide continuing medical education for physicians.

### CREDIT DESIGNATION

MER designates this live activity for a maximum of *7.00 AMA PRA Category 1 Credit(s)<sup>TM</sup>*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### CME CREDIT

To obtain your CME credit for Annual Forum '20, visit the link provided during the Live Webinars or sent to you via email. Upon completion of the evaluation, your certificate will be emailed to you and available for download.

### FDA (UNITED STATES)

Some drugs and medical devices demonstrated during this course have limited FDA labeling and marketing clearance. It is the responsibility of the physician to be aware of drug or device FDA labeling and marketing status.

## COMMERCIAL SUPPORT

Various medical companies have been invited to exhibit and provide grants for this course. Course supporters are listed in the Meeting Guide.

## DISCLAIMER

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The program and faculty are subject to change.

## DISCLOSURE OF CONFLICTS OF INTEREST

Medical Education Resources (MER) ensures balance, independence, objectivity, and scientific rigor in all our educational activities. In accordance with this policy, MER identifies conflicts of interest with its instructors, content managers, and other individuals who are in a position to control the content of an activity. Conflicts are resolved by MER to ensure that all scientific research referred to, reported, or used in a CME activity conforms to the generally accepted standards of experimental design, data collection, and analysis. MER is committed to providing its learners with high-quality CME activities that promote improvements or quality in health care and not the business interest of a commercial interest.

The faculty reported the following financial relationships with commercial interests whose products or services may be mentioned in this CME activity:

If noted, the relationships are disclosed as follows:

- a. Grants/Research Support
- b. Consulting Fees (e.g. Ad Boards)
- d. Speakers' Bureau
- d. Ownership Interest/Shareholder
- e. Salary
- f. Royalty/Patent Holder

| Name of Faculty      | Reported Financial Relationship  |
|----------------------|--|
| Nathaniel Alexander  | No relationships to disclose   |
| Christopher Ames     | SRS (a); Titan Spine (a); DePuy Sythes (a, b, f); ISSG (a); Medtronic (b); Medicrea (b, f); Stryker/K2M (b, f); Zimmer Biomet (f); NuVasive (f) Next Orthosurgical (f)                   |
| Neel Anand           | AF Cell (d); Atlas Spine (d); Bonovo (d); DePuy Synthes (c); Globus (b, d, f); GYS Tech (b, d); Medtronic (b, d, f); NuVasive (f); Paradigm Spine (d); Stryker (c); Theracell (d)        |
| Greg Anderson        | DePuy (b); Integrity Spine (b); Stryker K2M (b)  |
| Peter Derman         | Orthofix (a, b); Aesculap (a); Integrity Implants (b, c, f); Degen Medical (b); NeoSpine (b); joimax (c)   |
| Benjamin Ditty       | Alphatec (b, d)  |
| Coleman Garrett      | No relationships to disclose   |
| Jakub Godzik         | No relationships to disclose   |
| Jeff Golan           | Spinal Stabilization Technologies (b, d)   |
| Jeff Gum             | Acuity (b, f); Cingulate Therapeutics (d); DePuy (b); Integra (a); Intellirod (a); International Study Group (a); Medtronic (b, f); Norton (a); NuVasive (a, b); Pfizer (a); Stryker (b) |
| Roger Härtl          | DePuy Synthes (b); Brainlab (b); Ulrich (b); Zimmer Biomet (f)   |
| Christoph Hofstetter | No relationships to disclose   |
| Sravisht Iyer        | Innovasis (a); Healthgrades (b); Globus Medical (c); Stryker (c)   |
| Nathaniel Jenkins    | No relationships to disclose   |
| Kaveh Khajavi        | NuVasive (b, f)  |
| Jin-Sung Luke Kim    | RIWOspine GmbH (b); eIlquence (b); Medrics (d); Amplify Surgical (d); The Catholic University of Korea (f)   |
| Jun Kim              | No financial relationships to disclose   |
| Yoshihisa Kotani     | SI-Bone (USA-b); Medical Brain (Japan-b)   |

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|--------------------|---|
| Abhishek Kumar     | No relationships to disclose  |
| Ronald Lehman      | Department of Defense (a); Medtronic (b, f); Stryker (b, f); DePuy Synthes (b, f)   |
| Steven Ludwig      | AOA Omega (a); AO Spine Fellowship Support (a); NuVasive (a); ASIP (d); PST (d); MDC (d); DePuy Synthes (f); K2M/Stryker (f)  |
| Hani Malone        | Carevature Medical Ltd (b); NuVasive (a); Scripps Clinic (a); SeaSpine Inc (a, b); Viseon Inc (b)   |
| Isaac Moss         | No relationships to disclose  |
| Greg Mundis        | ISSGF (a); NuVasive (a, b, d, f); Seaspine (a, b, d); Titan Spine (a); Viseon (b); Carlsmed (b, d); Alphatec (d); K2M/Stryker (f)   |
| Rod Oskouian       | Medtronic (b); Stryker (f)  |
| John O'Toole       | Globus Medical (b, f); Theracell (d)  |
| Paul Park          | ISSG (a); DePuy Synthes (a); Globus Medical (b, f); NuVasive (b)  |
| Frank Phillips     | Medtronic (b, f); NuVasive (b, d, f); Orthofix (b); Providence (d); SI Bone (b, d); Spinal Simplicity Augmetic (d); Stryker (b); Theracell (d, f)   |
| Greg Poulter       | Medtronic (a, b); Stryker (f)   |
| Sheeraz Qureshi    | K2M/Stryker (b, f); Healthgrades (b); LifeLink.com (b); Globus Medical (b, c, f); Paradigm Spine (b); Spinal Simplicity (b); AMOpportunities (b); RTI Surgical (b); Simplify Medical (b); Avaz Surgical (d); Vital 5 (d-past relationship)  |
| Dan Sciubba        | DePuy Synthes (b); Medtronic (b); Stryker (b); Augmedics (b); Baxter (b)  |
| Jian Shen          | Integrity (b); joimax (c)   |
| Jeremy Steinberger | Stryker (b)   |
| Patrik Suwak       | No relationships to disclose  |
| William Taylor     | NuVasive (b, f); Alphatec (b, f); DePuy Synthes/J&J (b)   |
| Albert Telfeian    | No financial relationships to disclose  |
| Khoi Than          | Bioventus (b); Life Net Health (c); DJO (c)   |
| Juan Uribe         | NuVasive (a, b, f); SI-Bone (b)   |
| Michael Wang       | DePuy Synthes (b, f,); Spineology (b); Stryker (b); Medtronic (c); Globus Medical (c); Innovative Surgical Devices (d); Medical Device Partners (d); Children's Hospital of LA (f); Springer Publishing (f); Quality Medical Publishing (f) |

The content managers reported the following financial relationships with commercial interests whose products or services may be mentioned in this CME activity:

| Name of Content Manager                  | Reported Financial Relationship |
|--|---------------------------------|
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| Jeremy Longhurst, BroadWater             | No relationships to disclose    |
| Kate Laney, BroadWater                   | No relationships to disclose    |