



6th Annual Advances in Motion Preservation of the Spine

Friday, October 18 - Saturday, October 19, 2024

AGENDA

FRIDAY, OCTOBER 18, 2024

PIZZA AND CONTROVERSY

6 p.m. Registration and Appetizers

6:25 p.m. Welcome & Course Overview

Jens R. Chapman, M.D. & Jack E. Zigler, M.D.

6:30 p.m. At what point should the responsible clinician adopt new technology? (10-15 min each speaker)

Michael Wang MD

Roger Hartl MD

Rick Sasso MD

7:15 p.m. DISCUSSION Q&A (Jens Chapman, Moderator)

7:25 p.m. Artificial Intelligence in Spine Surgery: Should We Welcome or Reject It?

1. *It will improve practice efficiency and patient care, and it is coming! 15 min*

Sig Bervan, M.D.

2. *It will lead to "cookbook" medicine and practice inefficiency and will drift away 15 min*

Rick Sasso, M.D.

Objectives:

- Share experiences with early AI in clinical practice (roles in EMR, transcription)
- Roles of AI in clinical decision-making (diagnosis; treatment algorithms; big data)
- Understand roles for AI in scientific literature; identifying "fake" published research

7:55 p.m. Discussion

8 p.m. Adjourn

SATURDAY, OCTOBER 19, 2024

7 a.m. Breakfast & Registration

7:25 a.m. Welcome & Introductions

Jens R. Chapman, M.D. & Jack E. Zigler, M.D

7:30 a.m. Keynote Address: Thinking outside the box: The Cervical Spine Does What?

Thierry Marnay, MD

8 a.m. Discussion

8:15 a.m. Round Table Debates on Treatment Options in EquiPoise: (
(Illustrative Cases Presented by Moderator Jack Zigler MD)

1. Single Level Cervical DDD

ACDF (5 min)

TDR (5 min)

VOTE (1 min)

Rick Sasso, MD

Scott Blumenthal, M.D.

2. Multilevel Cervical Myelopathy

Laminectomy and Fusion (5 min)

Laminoplasty (5 min)

VOTE (1 min)

Chris Kepler, MD

Jens Chapman, M.D.

3. Grade 1.5 Degen Spondy w/ Stenosis

Decompression No Fusion (5 min)

Disc Replacement (5 min)

ALIF and perc screws (5 min)

Coflex (5 min)

Chris Kepler, M.D.

Thierry Marnay, M.D.

Jack Zigler, MD

Jens Chapman, M.D.

Objectives:

- Discuss alternate treatment plans with literature and personal context for pathologies with equipoise in clinical outcome for various treatment plans
- Audience vote regarding the most persuasive arguments

9:00 a.m. Discussion and Break

9:15a.m. Live Demonstration Broadcast from BioSkills Lab No. 1

Side by Side: Lumbar TDR Technique Pearls from the Masters (? Endo Camera?)

1. The Posterior Release...how I do it and how do I use the powerful David distractor?

Scott Blumenthal, M.D. & Jack E. Zigler, M.D

Moderator: Jens Chapman, M.D.

9:45 a.m. New Tech Making Progress

- 1. DiscGenics Jens Chapman 10 min
- 2. TBD (virtual 10min)
- 3. TBD (virtual 10 min)

Moderated by: Scott Blumenthal, MD

10:15 a.m. "The Getting of Wisdom" I
My clinical practice then and now...what has changed?
Moderated by Scott Blumenthal, MD

- 1. *Small Private Practice in Southern California 1982 (10 min)*
Jack Zigler MD
- 2. *Large Priv-academic Practice in Charlotte, NC (10 min)*
Dom Coric, MD [Corey-have we heard from Dom Coric??]
[Back-up is to ask Rick Sasso and change title location to Indiannapolis, IN]
- 3. *Academic Practice Seattle WA (10 min)*
Jens Chapman MD

Objectives:

- Present historical background for different career paths
- Describe how practice environments were different when current mentors entered practice
- Discuss whether patient care has been improved or deferred by changes over time

10:45 a.m. Discussion

11:00 a.m. Round Table Debates on Treatment Options in EquiPoise II (Illustrative Cases to be presented by Moderator Jens Chapman, MD)

- 1. Two level disabling lumbar DDD
 TLIF or 360 (5 min) Chris Kepler, MD
 TDR (5 min) Jack Zigler, MD
 VOTE (1 min)
- 2. Pseudoarthrosis of ACDF
 Revise anteriorly (5 min) Rick Sasso, MD
 ADR if endplates and facets OK (5 min) Scott Blumenthal, MD
 VOTE (1 min)
- 3. 3 or 4 level symptomatic lumbar DDD in a 40 yo
 Fusion/ADR/Hybrid (5 min) Todd Lanman, MD (or
 SLB)
 No role for surgery (5 min) Glen David, M.D.
 VOTE (1 min)

DISCUSSION

11:50 a.m. LUNCH (Roving Reporter Dr. Chapman)

12:30 p.m. **Live Demonstration Broadcast from BioSkills Lab No. 2**
Side by Side: Replacing Cervical TDR with a Different TDR if Endplates are Okay Simplify and ProDisc-C variants
Scott Blumenthal, M.D. Jack Zigler MD
Moderator: Jens Chapman M.D.

1:00 p.m. **The Getting of Wisdom II; the Value of Prospective Data Gathering**
Short Talks from Spine Society Australia 2024

- 1. Lumbar TDR Outcomes In Patients > 60 Years Old (6 min)**
Jack Zigler, M.D.
- 2. Long Term Follow-up on Control Levels After Discography (6 min)**
Jack Zigler MD
- 3. Update on Cervical TDR Revision Strategies (6 min)**
Scott Blumenthal, M.D.

1:20 p.m. **DISCUSSION**

1:30 p.m. **DEFORMITY SYMPOSIUM and CASE DEBATES/ROUNDTABLE:**
Fractional Curve Management

Moderator: Jens R. Chapman, M.D.
Discussers: Sig Berven MD – 20 min
Izzy Lieberman (virtual) – 20 min
Thierry Marnay (virtual) – 20 min

Presentation of cases with discussion of surgical management alternatives

2:30 p.m. **Has Motion Preservation Finally Established Itself?**

- 1. 15-year data on Cervical TDR-US Scott Blumenthal, MD (10 min)**
- 2. 20-year data on Lumbar TDR and Fusion-US Jack Zigler MD (10 min)**
- 3. 20+ year data on Lumbar TDR-OUS (10 min) Thierry Marnay, MD**

3:15p.m. **DISCUSSION w/ Drs. Blumenthal, Chapman, Zigler**

3:30 p.m. **FORMAL ADJOURNMENT**

ESTEEMED FACULTY

Jens R. Chapman, M.D.

Course Co-Chair

Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Jack E. Zigler, M.D.

Course Co-Chair

Co-Director of the Center for Disc Replacement
Texas Back Institute
Plano, Texas

Scott L. Blumenthal, M.D.

Course Co-Chair

Orthopedic Spine Surgeon
Texas Back Institute
Plano, Texas

Sigurd Berven, M.D.

Chief of Spine
University California, San Francisco
San Francisco, California

Glen David, M.D.

Pain Management & Physiatry
Director Interventional Spine
Swedish Neuroscience Institute
Seattle, Washington

Roger Härtl, M.D.

Director of Neurosurgery Spine, Founder
Weill Cornell Medicine
New York, New York

Christopher Kepler, M.D.

Orthopaedic Spine Surgeon
Rothman Orthopaedics
Philadelphia, Pennsylvania

Isador Lieberman, M.D.

Orthopaedic Spine Surgeon
Texas Back Institute
Plano, Texas

Thierry Marnay, M.D.

Orthopaedic Spine Surgeon
CCV Montpellier
Montpelier, Vermont

Rick Sasso, M.D.

Orthopaedic Spine Surgeon
Indiana Spine Group
Carmel, Indiana

Michael Wang, M.D.

Professor of Neurological Surgery, Chief of
Service, Medical Director, Minimally Invasive
Spine
University of Miami, Miller School of Medicine
Miami, Florida