

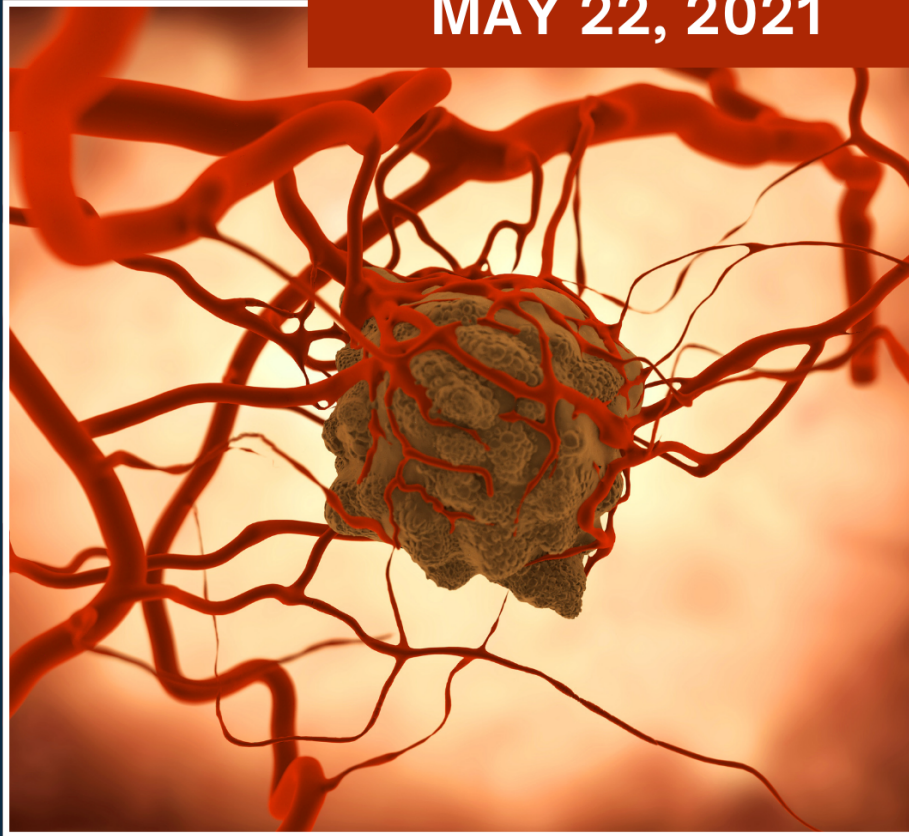


ELEVENTH ANNUAL

MULTIMODAL TREATMENT OF SPINAL TUMORS

Seattle Science Foundation

MAY 22, 2021



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ESTEEMED FACULTY

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Keynote Speaker

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Adjunct Professor, Johns Hopkins University School of Medicine
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AGENDA

7:00 a.m. Welcome and Course Introduction
Jens R. Chapman, M.D., Rod J. Oskouian, Jr., M.D., and Ehud Mendel, M.D., M.B.A.

7:05 a.m. Resection of Intradural Spinal Tumors
Amir Samii, M.D.

Objectives:

- Outline the benefits of a multidisciplinary oncology program and its beneficial impact on patient care
- Describe how to operationalize a multidisciplinary oncology program
- Summarize the role of “evidence-based” vs. “eminence-based” oncologic care

7:20 a.m. Q&A

7:25 a.m. Live Demonstration Broadcast from BioSkills Lab No. 1
Basic Principles of Sacral and Pelvic Resection and Reconstruction
Daniel Sciubba, M.D.

Objectives:

- Describe surgical resection of sacrum
- Outline how to manage wound complications
- Outline how to reconstruct the sacral pelvic junction

7:55 a.m. What Type of Fusion Material to Use for Cancer Patients: What is the State of the Data?
Jens R. Chapman, M.D.

Objectives:

- Outline special circumstances and needs of spine oncology patients
- Identify the differences of biologic and xenograft options
- Describe the durability of constructs relative to host circumstances

8:10 a.m. Q&A

8:15 a.m. Management of Lumbosacral & Primary Bone Tumors
Ehud Mendel, M.D., M.B.A.

Objectives:

- Recognize when and when not to perform a fusion
- Identify potential complications not doing a fusion
- Discuss who benefits from having surgery

8:30 a.m. Q&A

8:35 a.m. Live Demonstration Broadcast from BioSkills Lab No. 2
Posterior Lumbar Corpectomy for Primary Spine Tumor
Jens R. Chapman, M.D. & Rod J. Oskouian, Jr., M.D.

Objectives:

- Outline complications associated with corpectomy
- Describe strategies for pleural management
- Summarize steps involved in corpectomy

9:05 a.m. Medical Management of Spinal Metastasis
Kester Phillips, M.D.

Objectives:

- Define the role of the neuro-oncologist in specialty care coordination for patients with spinal metastasis
- Describe the approach to determination of primary cancer in spinal metastasis patients
- Outline the concepts of targeted medical therapy of spinal metastasis

9:20 a.m. Q&A

- 9:25 a.m. **Radiolucent Implants for Spine Tumor Surgery**
Bernhard Meyer, M.D., Ph.D.
Objectives:
- Identify the advantages of radiolucent implants for immediate post-op complication management in spinal tumor surgery
 - Identify the advantages of radiolucent implants in the follow-up of patients with spinal tumors
 - Identify the advantages of radiolucent implants in the radiation planning of patients with spinal tumors

9:40 a.m. **Q&A**

- 9:45 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 3**
Kyphoplasty vs. Vertebroplasty
Amir Abdul-Jabbar, M.D.
Objectives:
- Compare and contrast when one should perform a vertebroplasty or a kyphoplasty
 - Outline the different types of cement to be used in both a kyphoplasty and vertebroplasty

- 10:15 a.m. **Spinal Tumor Instability Evaluation & Stabilization & Cement Augmentation Indications**
Ehud Mendel, M.D., M.B.A.
Objectives:
- Outline the basics of spine instability
 - Explain the spinal instability neoplastic score algorithm

10:30 a.m. **Q&A**

- 10:35 a.m. **Multi-Rod Constructs (MRC) in Spinal Reconstruction**
Robert Hart, M.D.
Objectives:
- Outline the concepts of MRC
 - Describe emerging techniques and their application to tumor surgery

10:50 a.m. **Q&A**

- 10:55 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 4**
Kyphoplasty Pearls of the Thoracic Spine
Glen David, M.D.
Objectives:
- Outline the thoracic kyphoplasty approach
 - Explain the tumor ablation technique

- 11:25 a.m. **State of the Art in Chordoma Management**
Mark H. Bilsky, M.D.
Objectives:
- Outline the various implant technologies for spine oncology
 - Summarize how new technology can be applied to chordoma treatment
 - Discuss radiosurgery options

11:40 a.m. **Q&A**

- 11:45 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 5**
Spinal Reconstruction Using Novel Biomaterials
Justin Bird, M.D.
Objectives:
- Outline fusion techniques
 - Summarize how to avoid pseudoarthrosis
 - Compare and contrast metal vs. peek vs. cobalt

- 12:15 p.m. Radiation Therapy Techniques & Frontiers in Spine Metastasis**
Dukagjin M. Blakaj, M.D., Ph.D.
Objectives:
- Describe the indications for spine radiosurgery vs. conventional radiation treatments
 - Outline the side effects of radiation and how they affect our patients
- 12:30 p.m. Q&A**
- 12:35 p.m. Spinal Cord Tumors: Surgery for Intradural Tumors & Other Intradural Lesions**
David W. Newell, M.D.
Objectives:
- Outline surgical techniques for removal of spinal cord tumors
 - Explain the steps in diagnosing spinal cord tumors
 - Summarize the surgical anatomy of the spinal cord
- 12:50 p.m. Q&A**
- 12:55 p.m. Live Demonstration Broadcast from BioSkills Lab No. 6**
Percutaneous Spinal Fixation with Fenestrated Screws with Cement
Rod J. Oskouian, Jr., M.D.
Objectives:

 - Summarize how to increase pull-out strength of screw with cement
 - Outline potential complications of hardware failure
 - Discuss increasing fixation options for tumor reconstruction
- 1:25 p.m. Technology Update (not for CME credit)**
- 1:30 p.m. Adjourn**

Acknowledgements

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Educational Grant

Globus Medical
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Exhibit Support

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In-Kind Support

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Course Planning Committee

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Course Evaluation

Please take a moment to complete our online evaluation, which will be emailed to you. Your feedback helps to ensure the effectiveness of this CME activity, as well as improve future educational activities. All responses are considered anonymous. <https://www.surveymonkey.com/r/spinaltumors21>

If you do not receive the survey via email, please call (206) 732-6500 or email cme@seattlesciencefoundation.org.

Accreditation

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Identifying and Resolving Conflicts of Interest

Purpose: The information provided addresses several requirements of the ACCME to help **ensure purpose** in CME activities. Everyone in a position to control the content of a CME activity must disclose all relevant financial relationships with commercial interests to the CME provider. This information must be disclosed to participants prior to the beginning of the activity. Also, CME providers must resolve current conflicts of interest prior to the educational activity.

Definitions: “Financial relationships” are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria for promotional speakers’ bureau, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial benefits are usually associated with roles such as employment, management position, independent contractor (including contracted research), consulting, speaking and teaching, membership on advisory committees or review panels, board membership, and other activities from which remuneration is received, or expected. ACCME considers relationships of the person involved in the CME activity to include financial relationships of a spouse or partner.

The ACCME defines a **“commercial interest”** as any entity producing, marketing, re-selling or distributing health care goods or services consumed by, or used on, patients. Among the exemptions to this definition are government organizations, non-health care related companies and non-profit organizations that do not advocate for commercial interests.

Circumstances create a **“conflict of interest”** when an individual has an opportunity to affect CME content about products or services of a commercial interest with which he/she has a financial relationship.

ACCME focuses on financial relationships with commercial interests in the 12-month period preceding the time that the individual is being asked to assume a role controlling content of the CME activity. ACCME has not set a minimal dollar amount for relationships to be significant. Inherent in any amount is the incentive to maintain or increase the value of the relationship.

The ACCME defines **“relevant financial relationships”** as financial relationships in any amount occurring within the past 12 months that create a conflict of interest.

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CME Activity Presenter: When a conflict of interest exists, the Planning Committee must address the conflict by one of the following methods: (1) Review content to be presented by speaker in advance to assure content balance; (2) Change topic so the presentation is not related to products or services where a conflict exists; (3) Select a different presenter without any related commercial interest; (4) Include presentations by other faculty to provide an overall balance to the content of the course; (5) Limit or specify the sources for recommendations that the presenter can use. Each speaker is required to give a balanced, evidence-based presentation based on published research. No conclusions or recommendations without external validation may be made by a speaker with a conflict of interest.

Faculty Disclosure Summary

The following planners and presenters (or their spouses/domestic partners) have/had a financial relationship with a commercial interest: (*S = Speaker; P = Planner*)

Mark Bilsky, M.D.(S): Royalties: DePuy Synthes, Globus Medical

Justin Bird, M.D. (S): Consultant: Icotec, GT Technologies; Founder: Patients We Share Inc.

Dukagjin Blakaj, M.D. (S): Research Grant & Speaker: Varian

Jens R. Chapman, M.D. (S, P): Consultant: Globus Medical

Robert Hart, M.D. (S): Consultant: Allosource, Amplify Surgical, DSS, Medtronic Inc., Orthofix, SeaSpine, SpineArt; Speaker: DSS, Globus Medical; Royalty: DSS, Globus Medical, SeaSpine

Bernhard Meyer, M.D., Ph.D. (S): Consultant: Icotec

Rod Oskouian, M.D. (S,P): Consultant: DePuy Synthes, Globus Medical, Blue Ocean Spine, Atec Spine, Stryker; Royalties: Stryker, Globus Medical; Grant/Research Support: AO North America

Daniel Sciubba, M.D. (S): Consultant: Baxter International, Inc., DePuy Synthes, Medtronic Inc., Stryker

The following planners and presenters (or their spouses/domestic partners) have/had no financial relationship with a commercial interest (*S = Speaker; P = Planner*)

Amir Abdul-Jabbar, M.D. (S, P); Glen David, M.D. (S); Ehud Mendel, M.D., M.B.A., (S); David W. Newell, M.D. (S); Kester A. Phillips, M.D. (S); Amir Samii, M.D. (S); Linda Sahlin (P); Ashley Martin (P)

All planners and presenters attested that their content suggestions and/or presentation(s) will provide a balanced view of therapeutic options and will be entirely free of promotional bias. All presentations have been reviewed by a planner with no conflicts of interest to ensure that the content is evidence-based and unbiased.