10th Annual Multimodal Treatment of Spinal Tumors
Saturday, April 4, 2020
at the Seattle Science Foundation

AGENDA

7 a.m.  Registration & Breakfast

7:25 a.m.  Welcome and Course Introduction
Jens R. Chapman, M.D. and Ehud Mendel, M.D., M.B.A.

7:30 a.m.  Keynote Speaker
Novel Implant Technologies for Spine Oncology & Reconstruction Surgery
Bernhard Meyer M.D., Ph.D.
Objectives:
• Outline the various implant technologies for spine oncology
• Summarize how the new technology applies to reconstruction surgery

8 a.m.  Live Demonstration Broadcast from BioSkills Lab No. 1 (not for CME credit)
Basic Principals of En Bloc Sacral Resection
Ehud Mendel, M.D., M.B.A., and Ryan Goodmanson, M.D.

8:40 a.m.  A Systems Approach to Coordinated Care of Spinal Metastasis
John W. Henson, M.D.
Objectives:
• Define the role of the neuro-oncologist in specialty care coordination for patient 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 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

9:20 a.m.  Break & Exhibits

9:35 a.m.  Live Demonstration Broadcast from BioSkills Lab No. 2 (not for CME credit)
Posterior Lateral for Thoracic Corpectomy for Primary Spine Tumor
Jens R. Chapman, M.D. and Clifford Pierre, M.D.

10:15 a.m.  Surgery for Intradural Tumors: Diagnostic & Surgical Aspects
David W. Newell, M.D.
Objectives:
• Outline surgical techniques for removal of intradural tumors
• Explain the steps in diagnosing intradural tumors
• Summarize the surgical anatomy of the spinal cord

10:35 a.m.  Surgical Treatment of Sacral Tumors
Ehud Mendel, M.D., M.B.A.
Objectives:
• Recognize when and when not to perform a sacrectomy
• Identify potential complications of a sacrectomy

11:05 a.m.  Break & Exhibits
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| 11:20 a.m. | **Live Demonstration Broadcast from BioSkills Lab No. 3** (not for CME credit)  
Spinal Reconstruction Using Novel Biomaterials  
*Bernhard Meyer, M.D., Ph.D.* |
| 12 p.m.    | **Break and Pick Up Lunch**                                            |
| 12:15 p.m. | **Rehabilitation in Patients with Spinal Tumors** (working lunch)  
*TBD*  
**Objectives:**  
- Describe how to help spine cancer patients in rehabilitation  
- Compare and contrast palliative care vs. rehabilitation |
| 12:35 p.m. | **Kyphoplasty vs. Vertebroplasty**  
*Glen David, 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 |
| 12:55 p.m. | **Multi-Rod Constructs (MRC) in Spinal Reconstruction**  
*Amir Abdul-Jabbar, M.D.*  
**Objectives:**  
- Outline the concepts of MRC  
- Describe emerging techniques and their application to tumor surgery |
| 1:15 p.m.  | **Live Demonstration Broadcast from BioSkills Lab No. 4** (not for CME credit)  
Kyphoplasty Pearls of the Thoracic Spine  
*Glen David, M.D., M.B.A. and Erik Hayman, M.D.* |
| 2 p.m.     | **Break & Exhibits**                                                  |
| 2:15 p.m.  | **Live Demonstration Broadcast from BioSkills Lab No. 5** (not for CME credit)  
Reducing Complications in Hardware Failure (Fenestrated Screws with Cement)  
*Rod J. Oskouian, Jr., M.D. and Benjamin Schell, M.D.* |
| 2:55 p.m.  | **Spinal Tumor Instability Evaluation & Stabilization**  
*Ehud Mendel, M.D., M.B.A.*  
**Objectives:**  
- Outline the basics of spine instability  
- Explain the spinal instability neoplastic score algorithm |
| 3:15 p.m.  | **Quality of Life in Patients with Spine Tumors**  
*TBD*  
**Objectives:**  
- Describe how to assess QOL in patients with spine tumors  
- Explain whether surgical treatment increases QOL in spine tumor patients and what are the factors impacting QOL  
- Summarize the cost-effectiveness of oncologic spine surgery |
| 3:35 p.m.  | **Break & Exhibits**                                                  |
| 3:50 p.m.  | **Live Demonstration Broadcast from BioSkills Lab No. 6** (not for CME credit)  
Percutaneous Spinal Fixation with Corpectomy  
*TBD and Bilal Quatteineh, M.D.* |
4:30 p.m.  **Tumor Board: Spinal Metastases Indication for Surgery**  
**Moderator:** Jens R. Chapman, M.D.  
**Panel:** Ehud Mendel, M.D., M.B.A; Amir Abdul-Jabbar, M.D.; John W. Henson, M.D., and Bernhard Meyer, M.D., Ph.D.  
**Objectives:**  
- Evaluate challenging spine tumor cases including complications and subsequent next steps  
- Describe the anatomic challenges of spine tumors  

5:15 p.m.  **Panel Discussion: Setting Up a Multidisciplinary Oncology Program**  
**Moderator:** Ehud Mendel, M.D., M.B.A.  
**Panel:** John W. Henson, M.D., Bernhard Meyer, M.D., Ph.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  

6 p.m.  Adjourn
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<td>Jens R. Chapman, M.D.</td>
<td>Course Co-Chair</td>
<td>Complex Spine Surgeon</td>
<td>Seattle, Washington</td>
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<td>Swedish Neuroscience Institute</td>
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<td>Ehud Mendel, M.D., M.B.A., FACS</td>
<td>Course Co-Chair</td>
<td>Professor of Neurosurgery, Oncology &amp; Orthopaedics</td>
<td>The Ohio State University, Columbus, Ohio</td>
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<td>Ben &amp; Catherine Ivy Center</td>
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<td>Professor of Neurosurgery</td>
<td>TUM School of Medicine</td>
<td>Munich, Germany</td>
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<td>Sven Frieler, M.D.</td>
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