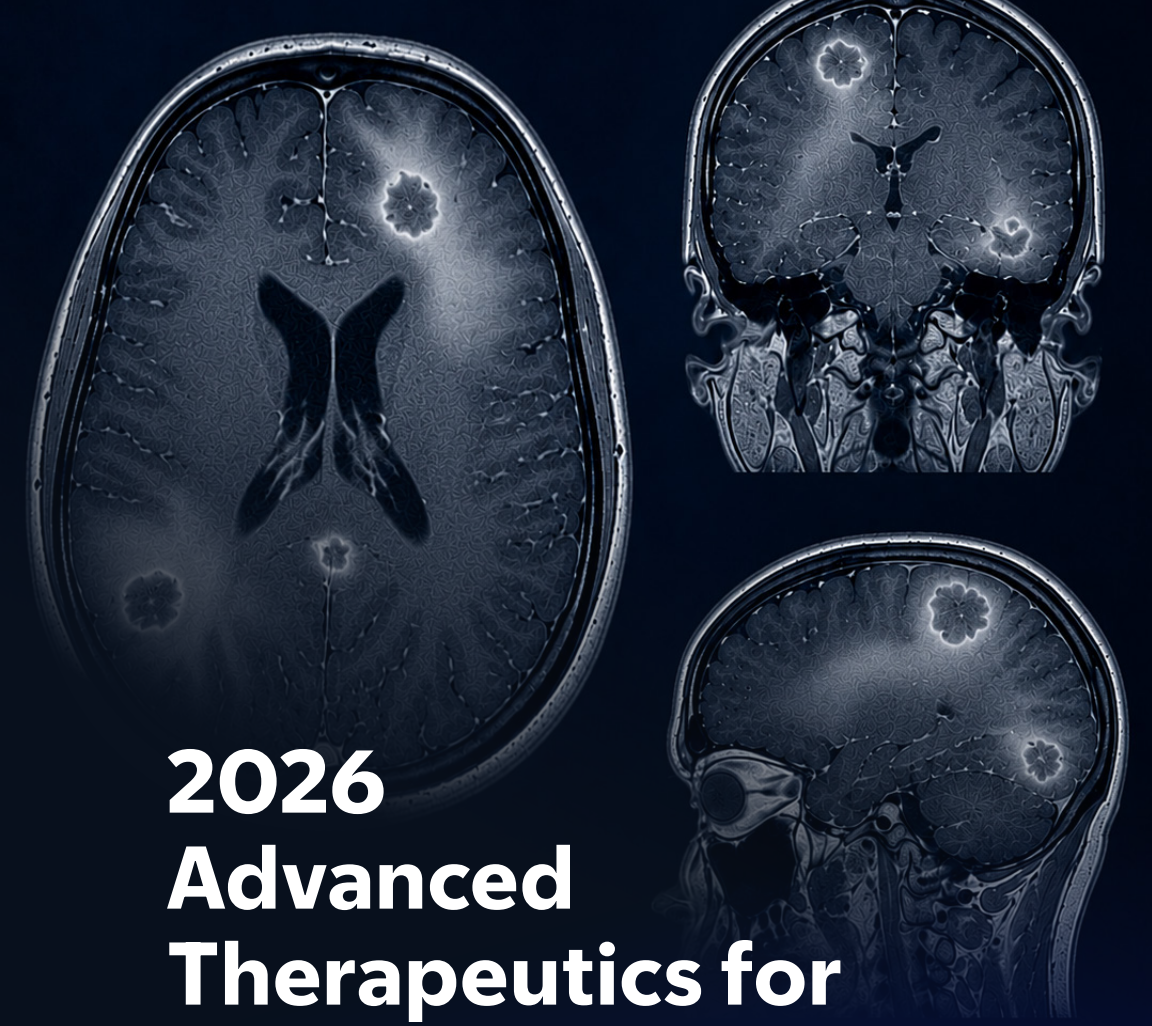


2026 Advanced Therapeutics for Brain Metastasis

Moving the Needle and Controversies at the Cutting Edge

Complimentary On Demand Course

Memorial Sloan Kettering Cancer Center

ABIM CME MOC ACCREDITED

Overview

This **complimentary didactic and case-based on demand course** provides a comprehensive update on the latest advances in the treatment and research of brain metastases. Aimed at clinicians and translational scientists, this course will provide an update on CNS-specific outcomes from both molecular and traditional cancer histology viewpoints.

Recent evidence for brain metastasis activity will be highlighted for key medical targets (e.g. Her2, EGFR, KRAS, CDK, BRAF, and ALK), and leading experts review brain metastasis prognosis across the cancers commonly resulting in this (lung, breast, and melanoma).

A dedicated session on recent developments in local therapy review the role of laser interstitial thermal therapy, brachytherapy and external beam radiation techniques. In recognition of the many complex treatment interactions imposed by multimodality treatment often necessary, a 'Key Controversies' session speaks to major areas of clinical difficulty, for example, how to distinguish on recurrent disease from radiation necrosis on imaging studies, when to change therapy with CNS-only progressive disease, which leptomeningeal metastasis interventions are currently worthwhile, and special considerations regarding steroid use and radiation therapy for patients requiring immunotherapy.

Key scientists discuss promising translational and clinical trial approaches including targeting metastasis-initiating cells and window-of-opportunity studies. Given the special challenge of early detection, a dedicated session covers state-of-the art molecular imaging techniques, the evidence for/against imaging surveillance in standard-risk cancers, and the current state of liquid biopsy.

A roundtable discussion featuring representatives from several centers explore experiences, best practices, and opportunities for improvement in multidisciplinary team-based care. The program concludes with a multidisciplinary tumor board reviewing complex cases and highlighting the interplay of various treatment approaches.

On Demand Content

This on demand program includes access to the recorded lectures listed below, along with PDF copies of the presentation slides.

TIME	SESSIONS

Keynote Presentations

MODERATOR: Nelson Moss, MD

20 min.



Brain Metastases: From Population Health to Precision Medicine
Matthias Preusser, MD

5 min.



Patient Perspectives on Living with Brain Metastases
Julia Maués

5 min. **Q&A and Panel Discussion**

Therapeutic Frontiers: Disease-Specific Updates

MODERATOR: Priya U. Kumthekar, MD

15 min. **Breast Cancer: Navigating the ADC Era — Efficacy, Toxicity, and Sequencing**
Carey K. Anders, MD

15 min. **Melanoma Brain Metastases: Systemic Therapy Update**
Hussein A. Tawbi, MD, PhD

15 min. **Thoracic Oncology Update**
Gregory J. Riely, MD, PhD

10 min. **Q&A and Panel Discussion**

Innovation in Local Therapies

MODERATOR: Luke R.G. Pike, MD, DPhil

15 min. **Modern SRS: Fractionation Strategies and Combination with Systemic Therapy**
Michelle M. Kim, MD

15 min.	**Cs-131 Brachytherapy for Recurrent Brain Metastases** Nelson Moss, MD Brandon Imber, MD, MA
15 min.	**Laser Interstitial Thermal Therapy: Expanding Indications and Long-term Outcomes** Veronica Chiang, MD, FAANS
15 min.	**Surgical Decision-Making in the Age of Effective Systemic Therapy** Gelareh Zadeh, MD, PhD
5 min.	**Q&A and Panel Discussion**

Leptomeningeal Disease: From Biology to Trials

MODERATOR: Jessica A. Wilcox, MD

20 min.	**Biology, Imaging, and Pathophysiology of Leptomeningeal Disease** Michael Weller, MD
20 min.	**CSF Liquid Biopsy and Biomarkers for Leptomeningeal Disease** Chetan Bettegowda, MD, PhD
10 min.	**Q&A and Panel Discussion**

Controversies in 2026

MODERATOR: Nelson Moss, MD

20 min.	**DEBATE** **Upfront Brain-Directed Therapy vs Systemic-First Approaches** **Brain-Directed:** Luke R.G. Pike, MD, DPhil **Systemic-First:** Manmeet Singh Ahluwalia, MD
15 min.	**ADC-Associated CNS Toxicity: Mechanism, Recognition, and Management** Yao Yu, MD
15 min.	**Where Radiation Fits in the Era of Potent Systemic Therapy** Ayal Aizer, MD, MHS
10 min.	**Q&A and Panel Discussion**

Managing Complexity: Toxicity in The Modern Era

MODERATOR: Joshua A. Budhu, MD, MS, MPH

15 min.	**Breast Cancer Controversies in the ADC Era** Paolo Tarantino, MD
15 min.	**Immunotherapy-Related CNS Toxicity: Real-World Data and Management** Isabella C. Glitza Oliva, MD, PhD, MS
15 min.	**Advanced Imaging: Amino Acid PET, AI, and Radiomics for Distinguishing Progression from Treatment Effect** Norbert Galldiks, MD
10 min.	**Q&A and Panel Discussion**

Scientific Frontiers: Bench to Bedside

MODERATOR: Minesh Mehta, MD

20 min.	**Microenvironment and Metastatic Niche: New Therapeutic Targets** Josh Neman-Ebrahim, PhD
15 min.	**Brain Metastasis Microenvironment** Nathalie Agar, PhD
20 min.	**FDA Perspectives on Brain Metastasis Clinical Trials: Endpoints, Design, and Regulatory Considerations** Tatiana Michelle Prowell, MD
15 min.	**Q&A and Panel Discussion**

Multidisciplinary Tumor Board

MODERATORS: Nelson Moss, MD and Jessica A. Wilcox, MD

CASE PRESENTER: Carrie Andrews, MD

55 min.	Brandon Imber, MD, MA Gregory J. Riely, MD, PhD Andrew D. Seidman, MD Robert J. Young, MD

Accreditation

Memorial Sloan Kettering Cancer Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

Memorial Sloan Kettering Cancer Center designates this on demand for a maximum of ***7.50 AMA PRA Category 1 Credits™***. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC/CC Recognition Statements

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to:

- 7.50 Medical Knowledge MOC points in the American Board of Internal Medicine's (**ABIM**) Maintenance of Certification (MOC) program; and
- 7.50 Lifelong Learning (CME) credits in the American Board of Pathology's (**ABPath**) Continuing Certification program.

It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM or ABPath MOC/CC credit.



Faculty

Guest Faculty



Nathalie Agar, PhD
Associate Professor of Neurosurgery and Radiology
Harvard Medical School
Daniel E. Ponton Distinguished Chair in Neurosurgery
Brigham and Women's Hospital



Manmeet Singh Ahluwalia, MD
Chief Scientific Officer
Chief of Medical Oncology
Deputy Director
Fernandez Family Endowed Chair in Cancer Research
Baptist Health Herbert Wertheim Cancer Institute



Ayal Aizer, MD, MHS
Associate Professor of Radiation Oncology
Harvard Medical School
Senior Physician
Director, Central Nervous System Radiation Oncology
Dana-Farber Cancer Institute



Carey K. Anders, MD
Professor of Medicine
Chief, Division of Medical Oncology
Member, Duke Cancer Institute
Duke University



Chetan Bettegowda, MD, PhD
Director, Department of Neurosurgery
Harvey Cushing Professor of Neurosurgery
Neurosurgeon-in-Chief, The Johns Hopkins Hospital
Director, Reza Khatib Brain Tumor Center
Director, Comprehensive Brain Tumor Center
Johns Hopkins Medicine

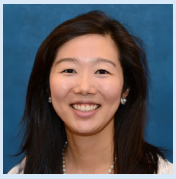


Veronica Chiang, MD, FAANS
Neurosurgeon
Director, Gamma Knife Center
Yale New Haven Hospital



Norbert Galldiks, MD

Professor for Translational Imaging in Neuro-Oncology
Senior Physician
Head of the Neuro-Oncological Specialty Consultation
Head of Neuro-Oncology Working Group
University of Cologne



Michelle M. Kim, MD

Professor, Department of Radiation Oncology
Associate Chair of Faculty Development
Co-Chair, Neuro-Oncology Clinical Research Team
University of Michigan



Priya U. Kumthekar, MD

Professor, Neurology/Neuro-Oncology and
Medicine/Hematology and Oncology
Northwestern University Feinberg School of Medicine



Julia Maués

Co-Founder and Patient Advocate
GRASP



Minesh Mehta, MD

Deputy Director and Chief of Radiation Oncology
Miami Cancer Institute, Baptist Health



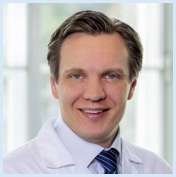
Josh Neman-Ebrahim, PhD

Associate Professor of Neurological Surgery,
Physiology & Neuroscience
Director, Cancer Biology & Genomics Doctoral Program
Scientific Director, USC Brain Tumor Center
Co-leader, Neuro-oncology Disease Affinity Group
Director, Cancer Research Training and Education Coordination
University of Southern California



Isabella C. Glitza Oliva, MD, PhD, MS

Professor, Department of Melanoma Medical Oncology
Patient Experience Officer,
Department of Melanoma Medical Oncology
Associate Medical Director, Melanoma/Skin Center
Director, Leptomeningeal Disease Research Program
The University of Texas MD Anderson Cancer Center



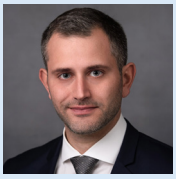
Matthias Preusser, MD

Professor of Internal Oncology
Head, Division of Oncology / Clinical Division of Oncology,
Department of Medicine
MedUni Vienna and Vienna General Hospital



Tatiana Michelle Prowell, MD

Breast Cancer Scientific Liaison, Oncology Center of Excellence
U.S. Food and Drug Administration (FDA)
Associate Professor of Oncology
Johns Hopkins Medicine



Paolo Tarantino, MD

Research Fellow in Medicine
Dana-Farber Cancer Institute
Advanced Research Fellow, Breast Oncology Program
Harvard Medical School



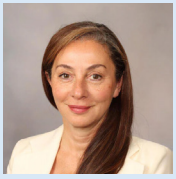
Hussein A. Tawbi, MD, PhD

Executive Director,
Immuno-Oncology Clinical Drug Development Program
Head, IO Drug Development, Therapeutics Discovery Division
The University of Texas MD Anderson Cancer Center



Michael Weller, MD

Clinic Director, Department of Neurology
University Hospital Zürich



Gelareh Zadeh, MD, PhD

Chair, Department of Neurologic Surgery
Professor, Mayo Clinic College of Medicine and Science
William J. and Charles H. Mayo Professorship
Mayo Clinic

MSK Faculty



Carrie Andrews, MD
Neurosurgical Oncology Fellow



Joshua A. Budhu, MD, MS, MPH
Nicholls-Biondi Diversity Clinical
Scientist Faculty Scholar
Assistant Attending, Brain Tumor Service
Department of Neurology



Brandon Imber, MD, MA
Assistant Attending
Department of Radiation Oncology



Nelson Moss, MD
Co-Director, Multidisciplinary Brain Metastasis Program
Associate Attending
Department of Neurosurgery



Luke R.G. Pike, MD, DPhil
Director, Brain Radiation Oncology
Assistant Attending
Department of Radiation Oncology



Gregory J. Riely, MD, PhD
Ning Zhao and Ge Li Chair in Lung Cancer Research
Attending, Thoracic Oncology Service
Department of Medicine



Andrew D. Seidman, MD
Attending, Breast Medicine Service
Department of Medicine



Viviane Tabar, MD
Chair, Department of Neurosurgery
Theresa Feng Chair in Neurosurgical Oncology



Jessica A. Wilcox, MD
Assistant Attending, Brain Tumor Service
Department of Neurology



Robert J. Young, MD
Attending
Head, Brain Imaging
Department of Radiology



Yao Yu, MD
Assistant Attending
Director of Leptomeningeal Disease
Department of Radiation Oncology



Memorial Sloan Kettering Cancer Center

Continuing Medical Education

VISIT US ONLINE
msk.org/cme
Instagram/MSKcontinuingmedicaleducation
LinkedIn /MSK-CME
Facebook/MSKCME
X/MSKCME

Copyright 2026 © Memorial Sloan Kettering Cancer Center