

International Society for Magnetic Resonance in Medicine in Collaboration with American Society of Neuroradiology (ASNR) Presents:

ASNR members may register for the meeting at the ISMRM member rate.

MR Imaging in Brain Tumors

Monday, 9 May • Skill Level: Intermediate

OVERVIEW

This two-hour course will focus on brain tumors, and the speakers are physicians who are expert in their field. This course will cover:

- Cerebral blood flow and permeability in brain tumor;
- Diffusion and diffusion tensor imaging in brain tumor;
- MRI as a biomarker for treatment response; and
- Pseudoprogression, recurrent tumor or radiation injury.

EDUCATIONAL OBJECTIVES

Upon completion of this course, participants should be able to:

- Describe recent developments and the state of the art in MR perfusion and MR diffusion imaging in patients with brain tumors;
- Explain brain plasticity;
- Explain possible use of MRI as a biomarker for treatment response in brain tumors; and
- Compare and contrast imaging in pseudoprogression, recurrent tumor and radiation injury.

Spine & Spinal Cord Imaging

Monday, 9 May • Skill Level: Intermediate

OVERVIEW

This two-hour course will focus on basic clinical spine and spinal cord imaging. The speakers and physicians are experts in the field of spine imaging. This course will cover:

- Trauma to the spine and spinal cord;
- Imaging of the postoperative spine;
- Imaging of common spine and spinal cord tumors; and
- Demyelinating and acute transverse myelitis of the spinal cord.

EDUCATIONAL OBJECTIVES

Upon completion of this course, participants should be able to:

- Image postoperative spine;
- Describe imaging specifics of common spinal and spine cord tumors;
- Describe MRI implications for different injuries of the spine and spinal cord in children and adults; and
- Compare different demyelinating diseases and myelitis of the spinal cord, and the typical MRI imaging findings for each.

Organizers:

Pia C. Maly Sundgren, M.D., Ph.D.
Jeffrey Joseph Neil, M.D., Ph.D.

Speakers:

Thomas L. Chenevert, Ph.D.
Meng Law, M.D.
Pia C. Maly Sundgren, M.D., Ph.D.
Danielle Van Westen, M.D.

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Pia C. Maly Sundgren, M.D., Ph.D.
Jeffrey Joseph Neil, M.D., Ph.D.

Speakers:

Mauricio Castillo, M.D.
Massimo Gallucci, M.D.
Diana M. Gomez-Hassan, M.D., Ph.D.
Mario Muto, M.D.