Jason Cai, PhD
Assistant Professor of Radiology and Biomedical Imaging

Development of PET Radiopharmaceuticals for Brain Tumor Imaging

Needs: The clinical diagnosis and management of brain tumors rely on CT and MRI, which provide invaluable anatomical information and integrity of the blood-brain barrier with contrast agents.

Objectives: Discuss the values and limitations of current clinically used PET imaging agent in brain tumors and emerging PET imaging agents.

Zachary A. Corbin, MD, MHS
Assistant Professor of Neurology

In Vivo Metabolic Imaging in Primary Brain Tumors

Needs: Non-invasive diagnosis and prognosis for primary brain tumors and quantification of treatment effects is limited. Metabolic imaging is an emerging technique with the potential to help.

Objectives: Increase understanding of the metabolic changes in primary brain tumors and review molecular characteristics. Define pseudoprogression and the potential applications of metabolic imaging.

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