

ABSTRACT

Hematol Oncol Clin North Am. 2021 Sep 23:S0889-8588(21)00105-2. doi: 10.1016/j.hoc.2021.08.002. Online ahead of print.

Imaging Advances for Central Nervous System Tumors.

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This article reviews recent advances in the use of standard and advanced imaging techniques for diagnosis and treatment of central nervous system (CNS) tumors, including glioma and brain metastasis. Following the recent transition from a histology-based approach in classifying CNS tumors to one that integrates histology with the molecular information of tumor, the approaches for imaging CNS tumors have also been adapted to this new framework. Some challenges related to the diagnosis and treatment of CNS tumors, such as differentiating tumor from treatment-related imaging changes, require further progress to implement advanced imaging for clinical use.

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DOI: 10.1016/j.hoc.2021.08.002

PMID: 34563433

Conflict of interest statement: Disclosure The authors have nothing to disclose.