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Stereotactic Radiosurgery in the Management of Limited (1-4) Brain Metastases: Systematic Review and International Stereotactic Radiosurgery Society Practice Guideline

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#	Paper	IF	Citations
48	Contemporary Management of 1-4 Brain Metastases. <i>Frontiers in Oncology</i> , 2018 , 8, 385	5.3	7
47	Neurocognitive evaluation of brain metastases patients treated with post-resection stereotactic radiosurgery: a prospective single arm clinical trial. <i>Journal of Neuro-Oncology</i> , 2018 , 140, 307-315	4.8	4
46	Peritumoral Edema/Tumor Volume Ratio: A Strong Survival Predictor for Posterior Fossa Metastases. <i>Neurosurgery</i> , 2019 , 85, 117-125	3.2	7
45	Letter: Congress of Neurological Surgeons Systematic Review and Evidence-Based Practice Guidelines on the Role of Surgery in the Management of Adults With Metastatic Brain Tumors. <i>Neurosurgery</i> , 2019 , 85, E616-E617	3.2	1
44	From Whole-Brain Radiotherapy to Immunotherapy: A Multidisciplinary Approach for Patients with Brain Metastases from NSCLC. <i>Journal of Oncology</i> , 2019 , 2019, 3267409	4.5	9
43	Characterization of a novel 3D printed patient specific phantom for quality assurance in cranial stereotactic radiosurgery applications. <i>Physics in Medicine and Biology</i> , 2019 , 64, 105009	3.8	11
42	Does Stereotactic Radiosurgery Have a Role in the Management of Patients Presenting With 4 or More Brain Metastases?. <i>Neurosurgery</i> , 2019 , 84, 558-566	3.2	18
41	The Choice of Local Treatment Modalities for Patients with Brain Metastases from Digestive Cancers. <i>Journal of Oncology</i> , 2019 , 2019, 1568465	4.5	1
40	Prognostic role of the systemic immune-inflammation index in brain metastases from lung adenocarcinoma with different EGFR mutations. <i>Genes and Immunity</i> , 2019 , 20, 455-461	4.4	6
39	A Cancer Care Ontario Organizational Guideline for the Delivery of Stereotactic Radiosurgery for Brain Metastasis in Ontario, Canada. <i>Practical Radiation Oncology</i> , 2020 , 10, 243-254	2.8	2
38	Management of Brain and Leptomeningeal Metastases from Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
37	Executive summary from American Radium Society's appropriate use criteria on neurocognition after stereotactic radiosurgery for multiple brain metastases. <i>Neuro-Oncology</i> , 2020 , 22, 1728-1741	1	8
36	A Simple and Practical Scoring System for Radiosurgical Treatment in Patients with Brain Metastases. <i>Stereotactic and Functional Neurosurgery</i> , 2020 , 98, 278-285	1.6	0
35	Tumor-dose-rate variations during robotic radiosurgery of oligo and multiple brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2021 , 197, 581-591	4.3	2
34	Evolving treatment strategies of brain metastases from breast cancer: current status and future direction. <i>Therapeutic Advances in Medical Oncology</i> , 2020 , 12, 1758835920936117	5.4	15
33	The impact of EGFR mutation status and single brain metastasis on the survival of non-small-cell lung cancer patients with brain metastases. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa064	0.9	4
32	Current approaches to the management of brain metastases. <i>Nature Reviews Clinical Oncology</i> , 2020 , 17, 279-299	19.4	110

31	Whole Brain Radiotherapy Versus Stereotactic Radiosurgery in Poor-Prognosis Patients with One to 10 Brain Metastases: A Randomised Feasibility Study. <i>Clinical Oncology</i> , 2020 , 32, 442-451	2.8	2
30	Use of radiomics for the prediction of local control of brain metastases after stereotactic radiosurgery. <i>Neuro-Oncology</i> , 2020 , 22, 797-805	1	21
29	Dosimetric impact of rotational errors on the quality of VMAT-SRS for multiple brain metastases: Comparison between single- and two-isocenter treatment planning techniques. <i>Journal of Applied Clinical Medical Physics</i> , 2020 , 21, 32-44	2.3	17
28	Radiotherapy to the brain: what are the consequences of this age-old treatment?. <i>Annals of Palliative Medicine</i> , 2021 , 10, 936-952	1.7	3
27	Whole-brain radiotherapy with and without concurrent erlotinib in NSCLC with brain metastases: a multicenter, open-label, randomized, controlled phase III trial. <i>Neuro-Oncology</i> , 2021 , 23, 967-978	1	8
26	Estimating Survival in Patients with Non-Small-Cell Lung Cancer and Brain Metastases: A Verification of the Graded Prognostic Assessment for Lung Cancer Using Molecular Markers (Lung-molGPA). <i>OncoTargets and Therapy</i> , 2021 , 14, 1623-1631	4.4	0
25	Brain Metastases from Esophageal Squamous Cell Carcinoma: Clinical Characteristics and Prognosis. <i>Frontiers in Oncology</i> , 2021 , 11, 652509	5.3	1
24	Distance to isocenter is not associated with an increased risk for local failure in LINAC-based single-isocenter SRS or SRT for multiple brain metastases. <i>Radiotherapy and Oncology</i> , 2021 , 159, 168-175	5.3	5
23	Resection of isolated brain metastases in non-small cell lung cancer (NSCLC) patients - evaluation of outcome and prognostic factors: A retrospective multicenter study. <i>PLoS ONE</i> , 2021 , 16, e0253601	3.7	3
22	Radiologic and Clinical Outcomes of Stereotactic Radiosurgery for Intraventricular Metastases. <i>World Neurosurgery</i> , 2021 , 157, e333-e333	2.1	0
21	Update on Radiation Therapy for Central Nervous System Tumors. <i>Hematology/Oncology Clinics of North America</i> , 2022 , 36, 77-93	3.1	0
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18	Functional Imaging. 2020 , 129-139		1
17	Development and validation of a deep-learning model for detecting brain metastases on 3D post-contrast MRI: a multi-center multi-reader evaluation study.. <i>Neuro-Oncology</i> , 2022 ,	1	0
16	Factors associated with progression and mortality among patients undergoing stereotactic radiosurgery for intracranial metastasis: results from a national real-world registry.. <i>Journal of Neurosurgery</i> , 2022 , 1-14	3.2	0
15	Clinical Outcomes and Prognostic Factors of Fractionated Stereotactic Radiosurgery for Brain Metastases ≥ 0 mm as a Potential Alternative to Surgery.. <i>World Neurosurgery</i> , 2022 ,	2.1	
14	Radiosurgery for brain oligometastases in lung cancer. <i>Medwave</i> , 2021 , 21, e8184-e8184	2.5	

13	Prognostic and predictive markers of limited (1-4) brain metastases in patients with lung adenocarcinoma after stereotactic radiosurgery: A retrospective analysis.. <i>World Neurosurgery</i> , 2022 ,	2.1	
12	Dynamic 18F-FET PET/CT to differentiate recurrent primary brain tumor and brain metastases from radiation necrosis after single-session robotic radiosurgery. <i>Cancer Treatment and Research Communications</i> , 2022 , 100583	2	
11	Radiomic Signatures for Predicting Receptor Status in Breast Cancer Brain Metastases. <i>Frontiers in Oncology</i> , 12,	5.3	○
10	The role of cesium-131 brachytherapy in brain tumors: a scoping review of the literature and ongoing clinical trials. <i>Journal of Neuro-Oncology</i> ,	4.8	○
9	Impact of systematic MLC positional uncertainties on the quality of single-isocenter multi-target VMAT-SRS treatment plans. <i>Journal of Applied Clinical Medical Physics</i> ,	2.3	
8	Efficacy and safety of recombinant human endostatin combined with whole-brain radiation therapy in patients with brain metastases from non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2022 , 174, 44-51	5.3	2
7	Analysis of Key Clinical Variables and Radiological Manifestations Associated with the Treatment Response of Patients with Brain Metastases to Stereotactic Radiosurgery. 2022 , 11, 4529		
6	Cancer therapies inducing DNA damage. 2022 , 205-225		○
5	Radiomics as an emerging tool in the management of brain metastases.		○
4	Technical Note: A method for generating lesion-specific non-uniform rotational margins for targets remote from isocenter.		○
3	Performance sensitivity analysis of brain metastasis stereotactic radiosurgery outcome prediction using MRI radiomics. 2022 , 12,		○
2	Predicting survival after radiosurgery in patients with lung cancer brain metastases using deep learning of radiomics and EGFR status.		○
1	Prediction of treatment response in patients with brain metastasis receiving stereotactic radiosurgery based on pre-treatment multimodal MRI radiomics and clinical risk factors: A machine learning model. 13,		○