

ABSTRACT

World Neurosurg. 2022 Feb 5:S1878-8750(22)00138-3. doi: 10.1016/j.wneu.2022.02.001. Online ahead of print.

Global research trends in radiotherapy for gliomas: a systematic bibliometric analysis.

Zhang Y(1), Lim D(2), Yao Y(1), Dong C(3), Feng Z(4).

Author information:

(1)Department of Occupational Health and Occupational Medicine, School of Public Health, Cheeloo College of Medicine, Shandong University, Shandong, Jinan, 250012, China.

(2)School of Health Sciences, Western Sydney University, Campbelltown, New South Wales, Australia; College of Medicine and Public Health, Flinders University, Bedford Park, South Australia, Australia.

(3)Department of Occupational Health and Occupational Medicine, School of Public Health, Cheeloo College of Medicine, Shandong University, Shandong, Jinan, 250012, China. Electronic address: chaodong@sdu.edu.cn.

(4)Department of Occupational Health and Occupational Medicine, School of Public Health, Cheeloo College of Medicine, Shandong University, Shandong, Jinan, 250012, China. Electronic address: fengzhahui@sdu.edu.cn.

OBJECTIVE: Gliomas are the most common primary malignant tumor of the central nervous system. At present, radiotherapy (RT) is the cornerstone of therapeutic approaches, but the research trend in RT for gliomas in the world is unclear. This bibliometric analysis aims to investigate trends in gliomas RT research since 2011.

METHODS: The Web of Science database was searched, Sigmaplot14.0 and VOS Viewer software were used to analyze and visualize the trends.

RESULTS: 5,106 articles were the source of data. While the number of publications per year is relatively steady, the number of citations grew exponentially from 356 (2011) to 21,051 (2020). Articles were from 89 countries, with the majority from the United States. J NEURO ONCOL and Texas A&M University were the journal and institution with the highest number of publications, respectively. In addition, the articles mainly involved oncology, neurology, radiology and surgery.

CONCLUSION: There was an increased focus on glioblastoma, survival and chemotherapy in gliomas RT research.

Copyright © 2022. Published by Elsevier Inc.

DOI: 10.1016/j.wneu.2022.02.001

PMID: 35134576