



Management and Outcomes of Low-Grade Gliomas in Africa: A Scoping Review Protocol

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ABSTRACT

Background: Over the last decade, many advancements have been made in the management of low-grade gliomas (LGGs). Overall survival outcomes are correlated with factors such as postoperative residual volumes and specific tumor biomolecular profiles such as IDH mutation status. It is unclear whether these advancements have benefited LGG patients in Africa. This scoping review protocol outlines how the authors will evaluate the epidemiology, presentations, management and outcomes of LGGs in Africa.

Methods: MEDLINE, Embase and African Journals Online will be searched from database inception to date in order to identify the relevant studies. Patients of all ages with histologically and/or radiologically confirmed LGGs that were managed in an African country will be included. Surgical and chemoradiation management of LGG tumours will be considered. Original research, reviews, commentaries, editorials and case reports will be included.

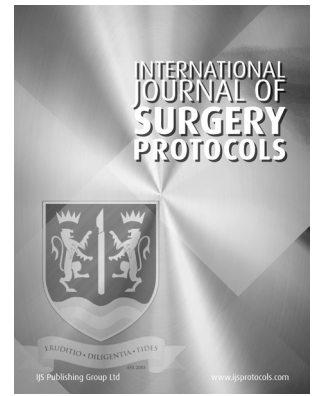
Results: Primary outcomes of the review will include LGG management, morbidity and mortality. Secondary outcomes include epidemiology and recurrence of LGGs.

Discussion: This scoping review will be the first to evaluate the current landscape of LGG management and outcomes in Africa, highlighting pertinent themes that may be used to guide further research as well as health system strengthening efforts by policymakers and stakeholders.

Scoping Review Registration: The protocol has been registered on the Open Science Framework (OSF; registration link: <https://doi.org/10.17605/OSF.IO/E732G>).

Highlights:

- LGGs account for 17% to 22% of total brain tumours and have a median survival time between 5.6 and 13.3 years.



PROTOCOL



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