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# Survival Analysis of Glioblastoma: A Scientometric Perspective

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## Abstract

Glioblastoma is the most aggressive primary brain tumor, and the outlook for patients is usually pessimistic. Numerous ongoing studies have focused on enhancing the survival rate of glioblastoma patients. This study aims to analyze the research trends surrounding glioblastoma survival and facilitate studying recent topics to provide insight into the perspective, research fields, and international collaborations. Data were collected from the Web of Science database documents published from 1980 to 2022 and analyzed using Citespace and Biblioshiny software. After analyzing the data, we visualized the co-occurrence and co-authorship networks. . Eighteen main clusters were formed by drawing a document co-citation network. The result indicates that Prognostic biomarkers, treating field, T cell, radiomic feature, and 5-aminolevulinic acid were trending topics for researchers. The most active countries in this field are the United States, followed by China, Germany, and Italy, respectively. Considering the significance of monitoring the studies in glioblastoma patients, the current research has shown promising results in stratifying patient survival as a valuable tool for prognosis and prediction and eventually guiding treatment decisions. Using the results of this study, glioblastoma researchers can identify their potential colleagues and research gaps in this field.

**Keywords:** Biblioshiny; Citespace; Data visualization; Glioblastoma; Scientific network; Scientometric; survival.