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Global Trends and Research Hotspots in Hemodialysis Nursing: A Bibliometric and Visualized Analysis from 2002 to 2023

Abstract:

This study presents a comprehensive bibliometric and visualized analysis of global nursing research in hemodialysis (HD) from 2002 to 2023. A total of 1,019 publications were retrieved from the Web of Science Core Collection, including 924 articles and 95 reviews. CiteSpace and VOSviewer were utilized to analyze research trends, influential contributors, and thematic evolution in the field. Results showed that the United States, China, and Australia were the top three contributing countries, while the University of Sao Paulo ranked highest among institutions. The leading journals included Nephrology Nursing Journal and Journal of Renal Care. Major research clusters focused on patient quality of life, self-management, anxiety and depression, vascular access, and caregiver experiences. Emerging frontiers were identified in pain management and validation studies. The study revealed that mental health and self-efficacy in HD patients have become critical issues in nursing research. Findings highlight the necessity for global collaboration and evidence-based interventions tailored to the psychosocial and clinical needs of HD patients. This study offers valuable guidance for future research and clinical practice by identifying research gaps and predicting development trends in HD nursing.

Biography

Yufen Wang received PhD from Philippine Women's University and is currently affiliated with Jinan Third People's Hospital. My research focuses on renal nursing, bibliometrics, and evidence-based practice in chronic disease management. I has authored several publications in internationally peer-reviewed journals.