

Future research trends in vesicovaginal fistula: A bibliometric analysis

Nur Anisah Rahmawati¹, Eighty Mardiyah Kurniawati², Gatut Hardianto², Hari Paraton², Tri Hastono Setyo Hadi², Anis Widyasari³

¹Faculty of Public Health, Universitas Airlangga, Surabaya, Indonesia, ²Department of Obstetrics and Gynecology, Faculty of Medicine, Universitas Airlangga, Surabaya, Indonesia, ³Department of Obstetrics Gynecology, Faculty of Medicine, Public Health and Nursing, Yogyakarta, Universitas Gadjah Mada, Indonesia

ABSTRACT

Introduction: Vesicovaginal fistulas are common in developing countries. Innovations in the management of vesicovaginal fistulas need to be carried out and developed along with the progress of medical science. This study aimed to provide a research trend in vesicovaginal fistula which is based on annual publication, country, author, affiliation, journal and keywords.

Materials and Methods: We conducted a literature search from 2013 to 2024 using the Scopus database. VOS viewer was utilized to visually represent the annual publications, countries, institutions, authors, journals, keywords and references in the literature. **Results:** From 2013 to 2023, Scopus published a total of 676 publications, comprising 611 papers and 65 reviews. The largest growth of 81 publications was observed in 2020. The most research was conducted in the USA with 201 publications, followed by India with 73 articles and the United Kingdom with 52 articles. In addition to "vesicovaginal fistula", other closely related high-frequency keywords included "obstetric fistula", "rectovaginal fistula", "cervical cancer", "hysterectomy", "laparoscopy", "incontinence" and "management". Recent research has led to platelet-rich plasma, transvaginal, surgical technique, genitourinary fistula, pessary and female genital fistula. **Conclusion:** The research on vesicovaginal fistula has decreased, even though research related to this problem needs to be developed. The academic cooperation between different institutions and authors needs to be strengthened.