

عنوان مقاله:

Intellectual structure of knowledge in Andrology field (2008 to 2017): A Co-word analysis

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نویسندگان:

Fatemeh Makkizadeh - Ph.D., School of Social Sciences, Yazd University, Yazd, Iran

Esmail Bigdeloo - M.A. School of Social Sciences, Yazd University, Yazd, Iran

خلاصه مقاله:

Background: The Co-word analysis has the ability to identify the intellectual structure of knowledge in a research domain and reveal its subsurface research aspects. Objective: This study examines the intellectual structure of knowledge in the field of Andrology during the period 2008-2017 using Co-word analysis. Materials and Methods: In this descriptive-analytical study with a scientometric approach, the WoS database was searched for papers indexed under Andrology over the period 2008–2017. The data were analyzed using Co-word, clustering methods, and strategic diagram with the help of SPSS, Ucinet, RavarPreMap and VOSviewer software. Results: The highest publication rate in the area of Andrology was seen in countries like the USA, China, Italy, and Iran. The top three journals that published papers in the field were Fertility and Sterility, Andrologia, Human reproduction. The results showed that the keyword Spermatozoa and two pairs of frequently used keywords, namely Azoospermia * Oligospermia were the most frequent in the field of Andrology. The results of hierarchical clustering led to 13 clusters. The clusters Reproductive Techniques and Spermatogenesis are the core clusters and play an effective role. The Post-Testicular causes and Neoplasm clusters are in marginal. Conclusion: This study represented that Co-word analysis can well illustrate the intellectual structure of an area. Considering the frequency of keywords along with the clusters obtained, it seems that the majority of research approach was seen on infertility treatments, especially through assisted reproductive technology. Despite the importance of psychological aspects as well as education of reproductive health, these subjects have not been sufficiently considered.

کلمات کلیدی:

Andrology, Co-word analysis, Intellectual structure

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