

Iranian Scientific Productions of Gastric Cancer: An analysis of Web of Science from 1983 to 2017

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Abstract

Background: Scientific productions are one of the most important criteria of the development of countries at the national and international levels. Therefore, this study aimed to review the «gastric cancer» productions from 1983 to 2017 in Iran, using the Web of Science (WOS) database.

Methods: In this scientometric study, the Iranian scientific productions on «gastric cancer» in the Web of Science (WOS) Database were selected. At first, all keywords related to «gastric cancer» were extracted using the medical subject headings (MESH) in the PubMed database. Then, the user interface WOS database was searched using these keywords. The time frame was until the end of 2017. Then, the results were refined to the countries. Therefore, the total number of documents related to «gastric cancer», Iran, and other countries were recovered. The data analyses were performed using Excel software.

Results: The results showed that among 38554 records in the «gastric cancer» were indexed in the WOS database during 1983-2017, 372 (0.965%) were published in Iran, ranking the country 16th in the world. Compound annual growth rate (CAGR) of Iranian scientific productions was 16.76%. The «Tehran University of Medical Sciences» and «Shahid Beheshti University of Medical Sciences» were identified as the most productive centers in «gastric cancer» with a contribution rate of 31.45% and 15.05%, respectively. The results also showed that most international collaboration of Iranian researchers was with the «United States» (5.37%), «Sweden» (2.68%) and «Germany» (2.41%) scientific centers. Most articles in the field of «gastric cancer» were published in the «Asian Pacific Journal of Cancer Prevention» with CiteScore 1.46 (9.67%). Most scientific

productions in this field were related to the «Oncology» (36.29%), «Gastroenterology and Hepatology» (21.23%) and «General Internal Medicine» (11.02%). Most scientific productions of «gastric cancer» were published in the form of «article» (63.71%). All of the Iranian «gastric cancer» scientific productions were in «English» language.

Conclusion: The results of this study indicated that Iranian scientific productions in the field of «gastric cancer» have been increased from 1983 to 2017, although Iran was ranked 16th in the world.

Keyword: Scientific Production, Gastric Cancer, Web of Science (WOS) database, Iran