BIBLIOGRAPHIC ANALYSIS OF THE PEDIATRIC ARTICLES FROM THE CHILDREN’S HOSPITAL ZAGREB, UNIVERSITY OF ZAGREB, FROM 2010 TO 2019

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Bibliometric analysis gives an objective information about the rate and characteristics of publishing activity of individuals, groups and institutions, as well as its impact in scientific community. Secondary sources of information are essential in evaluation of scientific papers and in academic advancement. In the field of biomedicine and health relevant secondary sources are Web of Science Core Collection (WOSCC), Medline and Scopus.

Goal Bibliometric analysis of the articles published by pediatricians (55) and pediatric residents (12), employees of Children’s Hospital Zagreb for the period from 2010 to 2019 (total of 10 years).

Methods Source for analysis of publicistic productivity and of citation was eight WOSCC citation indexes. Search was performed in the period June 28th to July 10th of 2021, by the surname and name of each author, using Basic search and Author search. Meeting abstracts and corrections were excluded and results are limited to a range of years. Additional criterion was authors’ address – meaning of institutional affiliation. The sample consisted of 343 articles, that were analyzed according to productivity markers (year of publication, journal title, language of the article) and citation.

Results The number of papers per author ranged from 0 to 108. In English were published 317 (92.4%) papers, 25 (7.3%) in Croatian language and 1 in Czech (0.3%). Mostly papers were published in yr 2018 (57). The greatest number of articles (50; 14.6%) was published in Journal of Pediatric Gastroenterology and Nutrition, then in Paediatria Croatica (28; 8.2%), and in Clinical Nutrition (20; 5.8%). Article impact was measured by number of citations. Citation analysis, done last week of August 2021, for the period from yr 2010, has confirmed that 295 (86.0%) articles were cited. Sum of times articles were cited is 9,777 (without self citation 9,525 times). The most cited article has 783 citations, mean citation being 28.5 per article. Clinical guidelines, reviews and randomized clinical studies were the most cited papers and published by the highly ranked journals. Papers of group of authors of European associations confirmed the extensive participation in publishing high quality systematic reviews and review articles and involvement in the development of international clinical guidelines.

Conclusion Analysis confirmed significant contribution to professional and scientific community of pediatric professionals from Children’s Hospital Zagreb, as well as the extensive involvement in the development of international expert recommendations.