

# Trend

A prevailing tendency or inclination.

The ongoing [trend](#) of societal evolution in contemporary civilization has allowed increased inclusion of heterogenous identity groups into fields, such as neurosurgery, where certain groups have traditionally been underrepresented. In regard to the field of neurosurgery, the increasing recognition of the disparities faced by women is illustrated by a growing body of academic literature.

**Methods:** We conducted a bibliometric analysis querying the PubMed, Web of Science (WoS), Scopus, and Embase databases for articles on female neurosurgeon using the MeSH terms “woman,” “women,” “gender,” neurosurgery, “neurological surgery,” and “neurosurgeon”. Articles were excluded if they do not concern societal impact of non-male population in the context of neurosurgery. Total citations, mean citations per year, publishing journal information, and author demographics were abstracted from included reports. Associations between abstracted continuous variables was evaluated using the Pearson correlation coefficient. Derived p-values of less than 0.05 were taken as significant.

**Results:** A total of 49 articles were included. Total numbers of citations per report were positively associated with mean citations per year ( $r=0.7289$ ,  $p=0.0253$ ) the latter of which was slightly negatively associated with the age of the report ( $r=-0.0413$ ,  $p=0.0009$ ). Age of publication year was found to be negatively correlated with the number of reports published per year ( $r=-0.648$ ,  $p=0.0066$ ). Total citations per reports were significantly correlated with increased numbers of citations during the last completed calendar year (2019:  $r=0.8956$ ,  $p=0.0397$ ).

**Conclusion:** ecognition in societal evolutionary trends as evidenced by academic activity has shown increased focus on the explicit and intrinsic biases faced by female neurosurgeon. Recent years have seen significant increases in published reports concerning the subject as well as rising academic impact per a given report. This phenomenon is speculated to continue and understanding to broaden as societal perception continues to develop <sup>1)</sup>.

<sup>1)</sup>

Carpenter K, Scullen T, Mathkour M, Dumont AS, Biro E, Kahn L. Social Perception and Academic Trends on Women in the Field of Neurosurgery: A Bibliometric Analysis. World Neurosurg. 2021 Apr 22:S1878-8750(21)00597-0. doi: 10.1016/j.wneu.2021.04.056. Epub ahead of print. PMID: 33895374.

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