

Title: Sixty-Two Percent of Abstracts from the American Association of Hand Surgery Annual Meeting 2017-2020 Are Later Published

Introduction:

The American Association of Hand Surgery (AAHS) is a national organization devoted to the progression of hand surgery. Its annual meeting comprises podium and poster presentations showcasing advancements in the field. The caliber of this research can be assessed by investigating how often the abstracts presented are published in the future.

Methods:

The AAHS website was queried for records on its annual meeting abstract presentations between 2017 and 2020. Each abstract's title, author data, topic, level of evidence (LOE), and presentation type (poster versus podium) were recorded. Both PubMed and Google Scholar were queried using abstract titles and keyword-author combinations. Successful publications' titles, author data, journal data, journal impact factor (IF), LOE, and number of citations were recorded. Comparative analysis was conducted utilizing Microsoft Excel, employing student t-tests.

Results:

A total of 1,268 abstracts were presented at the AAHS annual meetings from 2017 to 2020. Of these, 786 were published as of the time of data collection, for an overall publication rate of 61.98%. 413 abstracts took the form of podium presentations, and 280 went on to be published (67.8%). 855 abstracts were poster presentations, and 506 were later published (59.2%). In addition to being published at a higher rate than posters ($p=0.118$), podium presentations had superior LOE ($p=0.289$), were published in journals with a higher IF ($p=0.379$), and had more citations ($p=0.198$).

Conclusion:

This data reveals a substantial publication rate of abstracts presented at the AAHS annual meetings from 2017 to 2020. Podium presentations demonstrated a notably higher publication rate compared to posters and exhibited promising trends in terms of LOE, journal IFs, and citation counts. These findings underscore the value of podium presentations as a platform for disseminating high-quality research within the field of hand surgery.

Keywords:

AAHS, hand surgery, publication, abstract