Publication Rates for Podium and Poster Presentations from the American Orthopaedic Foot & Ankle Society: 2008-2012

Benjamin R. Williams, MD; Grace Kunas, BA; Jonathan T. Deland, MD; Scott J. Ellis, MD

Hospital for Special Surgery, New York, NY
University of Minnesota, Minneapolis, MN
Georgetown University SOM, Washington DC

AOFAS Annual Meeting
July 2017
Disclosures

• Dr. Jonathan T. Deland
  • Consultant: Arthrex, Zimmer, Wright Medical
  • Stock Options: Tornier
  • Royalties: Arthrex
Background

- National orthopaedic meetings disseminate current research through podium & poster abstract presentations
  - American Orthopaedic Foot & Ankle Society (AOFAS) has held meetings since 1971
  - Number and variety of submitted abstracts has increased
  - Not all abstracts go on to journal publication
    - Abstract to journal publication rates for other society meetings range from 34% to 73%
    - No similar study has reviewed rates for AOFAS
Purpose

- To determine publication rates of podium & poster presentations from the AOFAS annual meetings between 2008 and 2012
Methods

•Compiled all podium, poster, and e-poster abstracts presented at the AOFAS annual meetings from 2008-2012

  • AOFAS staff provided data on number of abstracts submitted & accepted for each meeting

•Abstracts divided into podium and poster/e-poster presentations
Methods

• PubMed and Google Scholar searches of all abstracts performed by 2 investigators

  • Cut-off date: June 30, 2016 (4-year follow-up from 2012 meeting)

  • Key terms from abstract titles searched with each author individually

  • Considerable consistencies between authors, title & abstract demographics, study design, and conclusion were required in order for it to be a published “match”

  • “no match”: abstract considered to not have a journal publication
Methods

• Overall publication rates for podium and poster abstracts were calculated for each year

• Additional information collected:
  • Authors’ country of origin
  • Journal of publication
  • Time to publication

• Mean time to publication, percentage published within 3 years from presentation, and most common journals of publication tabulated
Results

• 1262 abstracts submitted
• 376 accepted for podium presentation
• 635 accepted for poster presentation
Results

- Overall journal publication rate: **62.4%**
  - 73.7% - podium presentations
  - 55.8% - poster presentations

  - Odds ratio of 2.17 (95% CI, 1.64-2.86)

<table>
<thead>
<tr>
<th></th>
<th>Abstracts Published</th>
<th>Time to Publication (y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total podium</td>
<td>73.7% (277)</td>
<td>1.53 ± 1.31</td>
</tr>
<tr>
<td>Total poster</td>
<td>55.8% (352)</td>
<td>1.37 ± 1.34</td>
</tr>
<tr>
<td>Odds ratio (95% CI)</td>
<td>2.17 (1.64 to 2.86)</td>
<td></td>
</tr>
<tr>
<td>P value</td>
<td>P &lt; .0001</td>
<td>P = .124</td>
</tr>
</tbody>
</table>
Results

- Majority of podium abstracts presented were from the US, followed by Europe and Korea
Podium & Poster Publications

- Publication within 3 years:
  - 86.3% of podium publications vs. 88.1% of poster publications

- Mean time to publication:
  - 1.53 years for podium vs. 1.37 years for poster presentations (p=0.124)
## Journals of Publication

<table>
<thead>
<tr>
<th>Journal</th>
<th>% Podium (n = 277)</th>
<th>% Poster (n = 352)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foot &amp; Ankle International</strong></td>
<td>50.4 (140)</td>
<td>36.9 (130)</td>
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<tr>
<td><strong>The Journal of Bone &amp; Joint Surgery</strong></td>
<td>13.0 (36)</td>
<td>6.5 (23)</td>
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<tr>
<td><strong>American Journal of Sports Medicine</strong></td>
<td>4.3 (12)</td>
<td>2.8 (10)</td>
</tr>
<tr>
<td><strong>Foot &amp; Ankle Specialist</strong></td>
<td>3.2 (9)</td>
<td>8.5 (30)</td>
</tr>
<tr>
<td><strong>Journal of Foot &amp; Ankle Surgery</strong></td>
<td>3.2 (9)</td>
<td>9.4 (33)</td>
</tr>
<tr>
<td><strong>Foot and Ankle Surgery</strong></td>
<td>2.9 (8)</td>
<td>3.4 (12)</td>
</tr>
<tr>
<td><strong>Bone &amp; Joint Journal</strong></td>
<td>2.5 (7)</td>
<td>1.7 (6)</td>
</tr>
<tr>
<td><strong>Clinical Orthopaedics and Related Research</strong></td>
<td>1.8 (5)</td>
<td>1.7 (6)</td>
</tr>
<tr>
<td><strong>Orthopedics</strong></td>
<td>1.4 (4)</td>
<td>1.7 (6)</td>
</tr>
<tr>
<td><strong>Clinical Biomechanics (Bristol, Avon)</strong></td>
<td>1.1 (3)</td>
<td>1.7 (6)</td>
</tr>
<tr>
<td><strong>Techniques in Foot &amp; Ankle Surgery</strong></td>
<td>0.7 (2)</td>
<td>2.3 (8)</td>
</tr>
<tr>
<td><strong>Journal of Korean Foot and Ankle Society</strong></td>
<td>0.4 (1)</td>
<td>1.7 (6)</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>14.8 (41)</td>
<td>21.6 (76)</td>
</tr>
</tbody>
</table>
Conclusions

- First study in assess publications rates from AOFAS

- Limitation: likely that some studies will be published many years after their abstract presentation, but fall outside the review period for this study

- Overall journal publication rate for AOFAS (62.4%) was one of the higher reported rates compared to other national orthopaedic society meetings

  - May indicate high level of scrutiny for abstract acceptance

  - Presentation of high-quality research
Conclusions

• Publication rate was high for podium presentations (73.7%)

• Podium abstracts were 2.2 times more likely to go on to journal publication than poster abstracts ($O < .0001$; odds ratio 2.17 [95% CI, 1.64-2.86])

• *FAI* was top journal for both podium & poster abstracts
  
  • Specialty-focused nature of material presented
References


