

Publication Rates for Podium Presentations from the OTA Annual Meetings: 2008-2012

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Purpose: Orthopaedic meetings are used to disseminate current research. Presented abstracts are intended go on to journal publication. Publication rates for the OTA from 1990-1994 were 64% and from 1994-1998 were 67%. This study’s purpose is to determine the journal publication rates of podium presentations from the OTA meetings between 2008 and 2012.

Methods: Podium abstracts from the 2008-2012 OTA annual meetings were compiled from OTA Electronic Archives. PubMed was queried for subsequent journal publication using title keyword search and author name. Publication rates and time to publication were calculated. Study design, journals of publication, and impact factors (IFs) were noted.

Results: From 2008-2012, overall journal publication rate for podium presentations was 73.4% (Table 1). 81% of abstracts were from US institutes, followed by Canada (8.8%) and Europe (8.4%). Top journals for publication were *Journal of Orthopaedic Trauma* (45.5%), *The Journal of Bone & Joint Surgery* (15.3%), and *Journal of Trauma* (4.6%). The most common topics are outlined in Table 2. There was no significant difference in time to publication (P = 0.56) or IF (P = 0.24) between years. Study design and associated publication rates are noted in Table 3.

Conclusion: Despite an increase in abstract submissions and the number of podium presentations, journal publication rates remain high. The publication rate for OTA podium presentations indicates a high level of scrutiny for OTA abstract acceptance and quality.

Table 1: Podium Abstract Publication Rate

	2008	2009	2010	2011	2012	Total
Abstract podium presentations	72	64	61	67	93	357
Journal publication rate	72.2% (52)	79.7% (51)	72.1% (44)	76.1% (51)	66.7% (62)	72.8% (260)
Mean time to publication (years)	2.02 (-1.13 to 8.02)	2 (-3.36 to 5.56)	2.23 (-0.10 to 5.98)	1.79 (-0.28 to 4.72)	1.8 (-1.93 to 4.17)	1.95 (-3.36 to 8.02)
Published within 3 years	78.9%	76.5%	75.0%	88.2%	85.5%	81.2%
2012 impact factor	2.33 ± 0.94	1.99 ± 0.91	2.11 ± 1.11	2.01 ± 0.80	1.98 ± 0.75	2.06 ± 0.90

Table 2: Abstract Sessions and Publication Rates

	Published	Unpublished	Percent Published
Basic Science	25	14	64.1%
Foot & Ankle	28	10	73.7%
General Interest	5	5	50.0%
Geriatric	21	5	80.8%
Hip/Femur	23	15	60.5%
Injury Prevention	10	0	100%
Knee/Tibia	34	9	79.1%
Pediatrics	16	7	69.6%
Pelvis & Acetabulum	24	14	63.2%
Polytrauma	25	4	86.2%
Reconstruction	5	2	71.4%
Spine	8	5	61.5%
Upper Extremity	36	7	83.7%

Table 3: Study Design and Publication Rate

	Published	Unpublished	Percent Published
Multi-center RCT	8	3	72.7%
Single-center RCT	27	2	93.1%
Prospective	36	21	63.2%
Retrospective	152	52	74.5%
Biomechanical/Basic Science	26	8	76.5%
Other	11	11	50.0%

The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.