



Publication Outcome of Abstracts Submitted to the American Association of Pediatric Ophthalmology and Strabismus Meeting

Rachel Shemesh – B.Sc, 4th year, 4 year program

Prof. Tamara Wygnanski-Jaffe – M.D

**Pediatric Ophthalmology and Strabismus
Unit of the Goldschleger Eye Institute**



Arrow Project Meeting

May 31, 2019

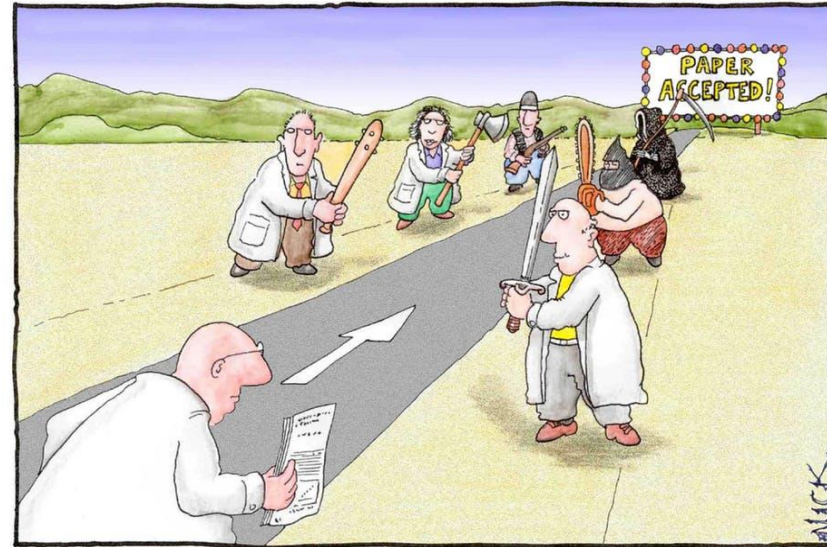
Background

- Presentation of a study at a scientific conference is a method for rapid dissemination of research information



Background

- Between one quarter to two thirds of all abstracts submitted to conferences in different fields of medicine are published



Objectives


- Determine the publication rate of abstracts presented at the American Association of Pediatric Ophthalmology meetings
- Identify factors associated with greater publication rate
- Identify factors associated with higher impact factor
- Identify factors associated with shorter time to publication



Methods

- Historic cohort study
- All 1770 abstracts presented at the 2001-2014 AAPOS meetings were identified

Identification
of 1770
abstracts



Methods - Abstracts Categorization

- Presentation format
- Affiliation
- Funding
- FDA, NIH, NEI sponsored studies
- Ophthalmic subspecialty
- Research scope
- Methodology
- Prevalence
- Multicenter

Identification
of 1770
abstracts



Categorization of
abstracts

Methods

- A PubMed and Google Scholar search was conducted

Identification
of 1770
abstracts

→
Categorization of
abstracts

Full-text
manuscript

A PubMed and Google Scholar search

Methods - A PubMed and Google Scholar search

"First Author" & "Senior Author"



"First Author" &
Title or part of title of the abstract



"Senior Author " & Title or part of
title of the abstract

Methods - Manuscripts Categorization

- The same categorization as abstracts
- Time from presentation to publication
- Name of paper
- Journal type
- Journal impact factor
- Publication type

Identification
of 1770
abstracts

→
Categorization of
abstracts

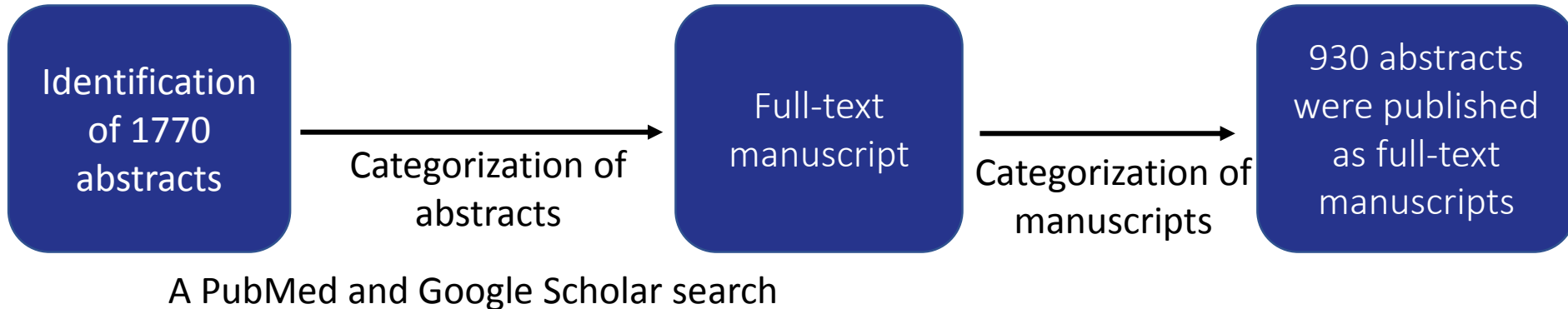
Full-text
manuscript

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Categorization of
manuscripts

A PubMed and Google Scholar search

Results

- Publication rate was 52.5%



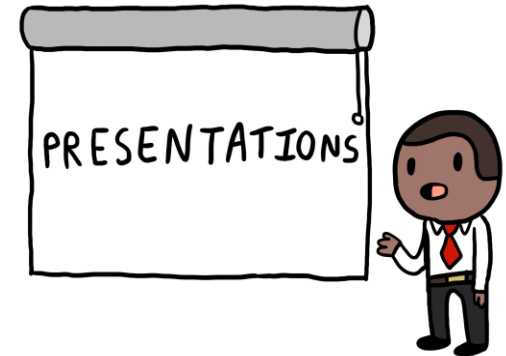
Results - Presentation Format

- Published Posters- 46%
- Published Oral presentation- 69%



95% confidence interval

A chi-square test and Fisher's exact test were used for categorical variables



Results - Time from Presentation to Publication

Average of time from:

- Presentation to publication- 2.02 years
- Oral presentation to publication- 1.6 years
- Poster presentation to publication- 2.2 years



95% confidence interval

Kruskal-Wallis test and Mann-Whitney test
were used for continuous variables



Results - Journal impact factor

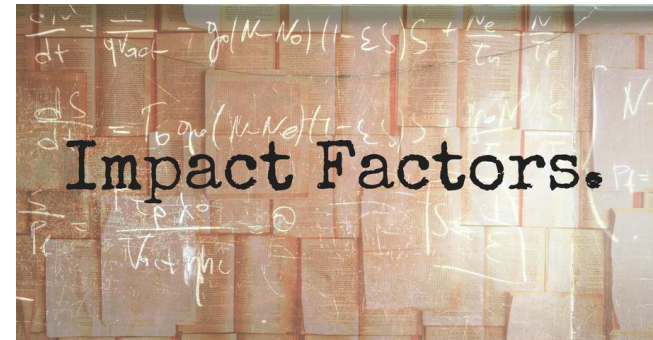
- Average journal IF- 2.2
- Average journal IF for oral presentation- 1.78
- Average journal IF for poster presentation- 2.4

I'M
SIGNIFICANT!



95% confidence interval

Kruskal-Wallis test and Mann-Whitney test
were used for continuous variables



Results - Factors associated with greater publication rate

- Oral presented, funded, multicenter and prospective abstracts in the field of the strabismus and nystagmus surgery have higher chances of being published

I'M
SIGNIFICANT!



95% confidence interval

A chi-square test and Fisher's exact test were used for categorical variables



Conclusions

- If you want to publish your presented study you should present it as an oral presentation
- It will probably be published in a shorter time
- It may be published in a lower IF journal
- Funded, multicenter and prospective studies in the field of the strabismus and nystagmus surgery have higher chances of being published



Acknowledgements



- Prof Tamara Wygnanski-Jaffe
- Dr. Tomer Ziv

Thanks for Listening!

Claude Monet (1840-1926)