

OBJECTIVE

Participation in scientific meetings yields many benefits, yet participation opportunities may not be equally afforded to men and women. Our primary goal was to evaluate the representation of men and women at five major academic plastic surgery meetings in 2017. Secondarily, we used bibliometric data to compare academic productivity between male and female physician invited speakers or moderators.



METHODS

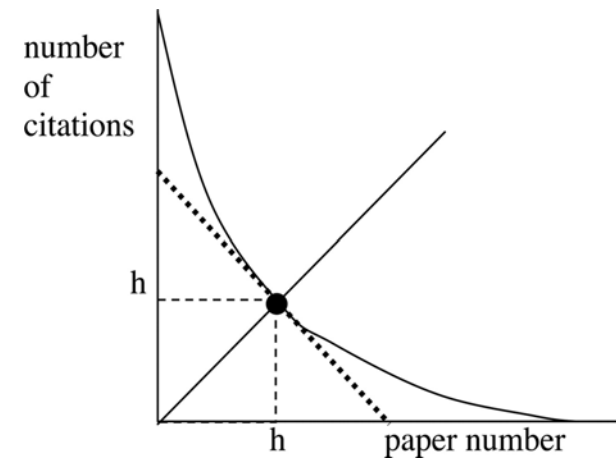
We compiled a list of male and female invited speakers from meeting programs at five academic meetings in 2017:

- **AAHS/ASPN/ASRM:** January 10-17 in Waikoloa, HI
- **AAPS:** March 25-28 in Austin, TX
- **PSRC:** May 4-7 in Durham, NC

• **“Invited speaker”** included: Chair, Instructor, Moderator, Panelist, Course Faculty, and Discussant

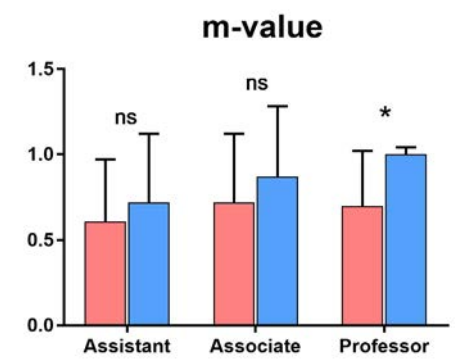
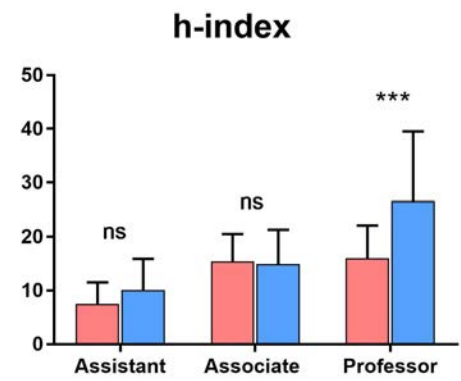
- **Outcomes:**
 - Demographics of invited speakers
 - Impact of work: h-index and m-value
 - Academic productivity

- **Statistical analysis**
 - t-tests or Wilcoxon rank sum for continuous variables
 - Chi square for categorical variables
 - Multinomial logit regression to predict probabilities of academic ranks



RESULTS

	All meetings	AAHS/ASPN/ASRM 2017	AAPS 2017	PSRC 2017
Total, n	381	276	100	45
Women, n (%)	74 (19.4%)	56 (20.3%)	14 (14.0%)	8 (17.8%)



	Multiplier of ratio of probability of Professor: Assistant Professor	95% CI
Sex		
Female	-reference-	
Male	2.17	1.61 to 2.92
m-value increase by 1.0	18.63	13.29 to 26.12
Year of first publication increase by 1 year	0.7721	0.7719 to 0.7724

CONCLUSIONS

Although the impact of women’s published work was no different than that of men among junior and mid-career faculty, women comprise the minority of invited speakers at academic plastic surgery meetings. Sponsorship is imperative to achieve gender balance within our specialty and to ultimately create more diverse and effective teams to improve patient care.