Supplementary File 1. Models for analysis

For all Models, Year 1 is an indicator variable and refers to 2007 and Year 2 refers to 2017. The reference year was 1997. Sex is an indicator variable and refers to women. The reference sex refers to men.

The model used for residency using AMA data was:

For residency using ACGME data for 2007 and 2017 only:

The main effects model for first author for each studied year was:

The interaction model for year and sex for first author was:

The interaction model for last author and sex was:

The interaction model for awards, sex and year:

The model for committee membership by sex and year was: