



Academy of Prosthodontics Annual Scientific Session Ritz-Carlton, Sarasota Florida April 25 – April 29, 2017

Program Speaker - Dr. Danielle Layton

Title

Systematic Reviews: Facts and Fairytales

Abstract

The search strategies of 103 articles published as systematic reviews in a convenience sample of eight prosthodontic and implant journals between January 2013 and May 2016 were reviewed and considered systematic when: (1) More than one electronic databases was searched, (2) More than one searcher was clearly involved, (3) Both text words and indexing terms were clearly included in the search strategy, (4) A hand search of selected journals or reference lists was undertaken, (5) Grey research was specifically sought, (6) Articles could be included if they were published in English and at least one other language.

It was found that over 95% of recent prosthodontic and implant review articles published in this selected literature did not use search strategies that were systematic, undermining conclusions. It is a sad indictment that not all published articles offer conclusions that are valid. Readers need to be alert to this possibility.

Learning Objectives

1. To outline how search strategies can be systematic
2. To review how search in recent systematic reviews in prosthodontic and implant-related journals were structured
3. To review whether those articles had search strategies that were systematic

Biography

DANIELLE LAYTON BDS(Hons)(Qld), MSc Oxon, MDSc (Hons)(Syd), DPhil Oxon graduated with a Bachelor of Dental Science with honors and the University medal at the University of Queensland; a Master of Dental Science in prosthodontics with honors at the University of Sydney; and a Master of Science and Doctor of Philosophy in Evidence Based Health Care at Oxford University, United Kingdom. She is in private prosthodontic practice in Brisbane, and is an Adjunct Associate Professor at University of Queensland. Dr. Layton is a reviewer for the International Journal of Prosthodontics, statistical reviewer for Clinical Oral Implants Research, and continues to contribute to dental societies and academies through committee and scientific roles. She publishes and lectures widely, and explores research interests in survival outcomes, medical indexing and the influence of withdrawn data.