



ORAL PRESENTATION

Open Access

Self-efficacy, motivation and anxiety in novice podiatry students

Ryan Causby^{1*}, Susan Hillier¹, Lloyd Reed², Michelle McDonnell¹

From Australasian Podiatry Council Conference 2013
Sydney, Australia. 2-5 June 2013

Background

Performance in learning has been linked to a number of factors, including trait-like differences and state-like individual differences such as self-efficacy and anxiety. The aims of this study were to identify the initial level of self-efficacy, motivation and anxiety experienced by students regarding learning scalpel technique and then to identify how this may change following a period of learning.

Methods

Participants were recruited from the 2nd year cohorts at the University of SA (UniSA) and Queensland University of Technology (QUT). The Intrinsic Motivation Inventory (IMI) was used to evaluate 'perceived competence', 'effort' and 'pressure-tension' associated with scalpel use. This was implemented prior to students learning scalpel use and then again after a period of exposure to public clinics. Scores for each of these factors were calculated. Paired t-tests were undertaken on scores pre- and post- scalpel learning.

Results

27 students were recruited, 21 from UniSA and 6 from QUT. The mean age of the cohort was 21.4 ± 2.98 years old. None of the students had used a scalpel previously. A mean period of 109 ± 54 days was held between implementation (3 clinics at UniSA and QUT).

Conclusion

The IMI determined that during teaching and subsequent use of scalpels students' 'perceived competence' improved and 'pressure-tension' reduced. This tool may

Table 1 Mean category values

	Pre-	Post-	P-value
Perceived competence	24±6.0	28.4±6.0	.001
Effort/ Importance	29.9±3.9	28.8±5.6	.198
Pressure/ Tension	24±4.7	20.8±4.3	.002

be used to evaluate the impact of differing teaching methods.

Author details

¹School of Health Sciences, University of South Australia, Adelaide, South Australia, 5074, Australia. ²School of Clinical Sciences, Queensland University of Technology, Brisbane, Queensland, 4064, Australia.

Published: 31 May 2013

doi:10.1186/1757-1146-6-S1-O5

Cite this article as: Causby et al.: Self-efficacy, motivation and anxiety in novice podiatry students. *Journal of Foot and Ankle Research* 2013 **6**(Suppl 1):O5.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



* Correspondence: Ryan.Causby@unisa.edu.au

¹School of Health Sciences, University of South Australia, Adelaide, South Australia, 5074, Australia

Full list of author information is available at the end of the article