Influence of skills laboratory training on students’ perceived self-efficacy

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Curriculum TiHo

Exams

Semester / half-year contents

Pre-clinical | Clinical | Practical Year | Exam

- paraclinical
- clinical for small ruminants
- clinic for cattle
- clinic for horses
- Clinic for small animals

study

10 week rotation at clinic for small animals

resources vs high scores wanted for good resources

Group A ( - skills-lab-training) (n=68)

<table>
<thead>
<tr>
<th></th>
<th>mean</th>
<th>standard deviation</th>
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<tbody>
<tr>
<td>pre-test</td>
<td>2.25</td>
<td>0.76</td>
</tr>
<tr>
<td>post-test</td>
<td>2.30*</td>
<td>0.53</td>
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Group B ( + skills-lab-training) (n=37)

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<td>3.38</td>
<td>0.83</td>
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<td>post-test</td>
<td>2.74*</td>
<td>0.51</td>
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deficits vs low scores needed for less deficits

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<tbody>
<tr>
<td>pre-test</td>
<td>2.62</td>
<td>0.99</td>
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<td>post-test</td>
<td>2.95*</td>
<td>0.30</td>
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<table>
<thead>
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<th></th>
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<tr>
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<tr>
<td>post-test</td>
<td>1.90*</td>
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*significant (p<0.001)

What we found:

- students get higher self-efficacy while practical education
- skills-lab-training can rise students self-efficacy up to a significant level
- students were highly motivated using a skills-centre
- students performed in an OSCE better after skills-lab-training

What we learned:

- to foster practical education
- integrate students into clinical work while studying
- introduce more formative assessments into study

OSCE

results

InVest 2017 Conference Pretoria

REFERENCES


Dilly M, Tipold A, Geuenich K. Studied individuals or subjective acquisition of competences: how do veterinary students see their curricular work placement? QMS Journal for Medical Education. 2015;32(1).


Engelskirchen S, Ehlers JP, Tipold A, Dilly M. Effects of integrated clinical skills lab training in small animal medicine rotations at the University of Veterinary Medicine Hannover, VetEd, 07, 08.07.2016, Glasgow (UK)

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