Blended learning: equally effective as face-to-face learning for teaching EBP to a general audience

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Background
- The Belgian Red Cross tries to spread Evidence-Based Practice (EBP) throughout its organisation.
- The Centre for Evidence-Based Practice (CEBaP) offers half-day face-to-face workshops to employees, unfamiliar with EBP, about the principles of EBP and developing a critical attitude towards information.
- A blended learning module, consisting of an E-learning module (3 sessions, 1 h to complete) and a face-to-face workshop (1.5 h) was developed to replace the former half-day workshop.

Methods
- Participants of the final face-to-face workshop (n=10) in January 2017 and participants of the first blended learning workshop (n=8) in May 2017.
- Quantitative measurement of attitude/knowledge with questionnaires (attitude: 19, self-perceived knowledge: 7, actual knowledge: 9 questions).
- Comparison pre-post and between workshops: Wilcoxon Log-Rank test.
- Qualitative enquiry about experiences with blended learning using a focus group discussion.

Results

1. Attitudes towards EBP
A face-to-face workshop does not influence attitudes towards EBP (p=0.4)

2. Self-perceived knowledge on EBP
Self-perceived knowledge tends to increase after face-to-face learning (p=0.09)

3. Actual knowledge on EBP
A face-to-face workshop increases actual knowledge on EBP (p=0.01)

4. Experiences with blended learning for learning EBP
"The combination of an E-learning session and a face-to-face moment has added value, as the reiteration helps to really grasp the concepts"
"The E-learning module is pleasant to follow"
"I think everyone in the organisation should follow it"
"The course is very approachable, also for someone who is not familiar with science"

Conclusion
- A blended learning module seems equivalent to a traditional workshop for improving knowledge on the principles of EBP in a general audience.
- Blended learning is well-received by participants.

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