

Evaluation of the educational effect of e-learning using Moodle for family nursing on occupational nurses

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Background

Occupational health requires education to deepen the understanding of family support to provide primary health care to employees.

Aim of the study

We created a website for occupational nurses to learn about family nursing care for employees, created video case study materials, and conducted e-learning. This study aims to clarify the educational effect of e-learning for family nursing on occupational nurses.

Methods

The subjects were 20 anonymous occupational nurses who voluntarily participated in e-learning. The participants watched case study videos, and responded to six contents based on the website over two weeks. The participants used a username and password to access the cloud-based web service.

The evaluation was conducted through a questionnaire on the respondents' understanding of family assessment and family support skills (five-point Likert scale) and opinions on e-learning through open questions. The open-ended questions were categorized as qualitative descriptive.

Results

Of the 20 people who registered, four dropped out, and 16 completed the course and answered the questionnaire. Their experiences ranged between one and 40 years, with an average of 13 years.

Family assessment was understood by 56.3% of the respondents, and family support techniques were understood by 43.8%. Free descriptions included the "convenience of online learning" (50.0%), "effectiveness of digital data education" (31.3%), and "operability of the system" (31.3%) (multiple responses).

Conclusions and implications

Approximately 50% of the participants gained educational effects in family support. Interventional comparative studies should be conducted to verify the effectiveness of education in increasing practical skills.