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The effects of flipped classroom teaching strategies on self-directed learning in pediatric nursing course

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Background: The flipped classroom (FC) teaching strategy has been used in recent years. Literature showed that FC can help students to improve their self-directed learning (SDL). However, little is known about the application of FC to nursing education.

Objectives: The objectives of the study were to implement FC in a Pediatric Nursing course and to evaluate its effects on SDL.

Method: A quasi experimental research design with the intervention of the FC teaching strategy was used. A total of 94 RN to BSN students were asked to participate in this study. 47 students took the pediatric nursing, and the other 47 students took non-pediatric nursing course. The data was collected before and after the implementation of the FC. Cheng, Kuo, Turton & Lee-Hsieh (2010) Self-Directed Learning Instrument (SDLI) was used to measure students' learning outcomes.

Results: Students who took pediatric nursing course with FC teaching strategy had a significant higher score on SDL than students who did not take pediatric nursing course. The FC teaching strategy increased students learning motivation, planning and implementation, and interpersonal communication significantly. The students who used FC stated that the FC teaching strategy can improve their clinical reasoning (100%) and problem solving ability (98%). The mean satisfaction score of teaching was 9.18 (SD=0.78), the mean satisfaction score of FC was 8.98 (SD=0.96).

Conclusion: The FC teaching strategy can improve students' SDL and help students engage in teamwork. The authors suggested implementing FC teaching strategy to RN to BSN students.

Biography

Su-Fen Cheng has completed her PhD from University of Colorado Health Sciences Center in the USA. She is an Associate Professor of National Taipei University of Nursing and Health Sciences and teaches pediatric nursing. Her research focus is on nursing education and pediatric nursing. She has published more than 20 papers in reputed journals and has been serving as an Editorial Board Member of reputed.

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