Prof.Dr. Fusun Terzioglu, RN, Msc, PhD
Atılım University
Dean of Faculty of Health Science,
Ankara, Turkey
fusun.terzioglu@atilim.edu.tr

Title: A New İnnovative Strategy in Midwifery Education: Hybrid Simulation and High Fidelity Simulation.

Background: Various instructional methods and environments are used in midwifery education to develop students' psychomotor and communication skills, reduce their anxiety levels, and enhance their satisfaction.

Objectives: To examine the effect of three different instructional environments on the development of the students' psychomotor and communication skills and their levels of anxiety and satisfaction.

Design: A prospective study design was used.

Methods: The sample of the study consisted of 60 midwifery students. Before the implementation of the study, the students' cognitive skills and trait anxiety levels were evaluated. The students were divided into five groups and five midwifery activities (Leopold's maneuvers, teaching breastfeeding, family planning education, teaching vulvar self-examination and teaching breast self-examination) were specified for each group. They implemented these midwifery activities under the supervision of a faculty member in the midwifery skills laboratory, standardized patient laboratory and clinical practice environment respectively. In each instructional environment, the students' psychomotor and communication skills, state anxiety levels and satisfactions were evaluated.

Results: The median scores for psychomotor skills [Midwifery Skills Laboratory=73.1; Standardized Patient Laboratory=81.5; Clinical Practice Environment=88.6] and communication skills [Midwifery Skills Laboratory=64.9; Standardized Patient Laboratory=71.6; Clinical Practice Environment=79.0] were found to increase as the students went on practicing in a more complicated environment ($p<0.05$). Similarly, it was determined that the students' anxiety levels decreased as they were practicing incrementally [Midwifery Skills Laboratory=33.0; Standardized Patient Laboratory=32.0; Clinical Practice Environment=31.0]. As the instructional environments were getting more similar to the reality, the students' satisfaction levels were found to become higher.

Conclusions: Students who deliberately practice in the instructional environments until they are competent develop their psychomotor skills while reducing their anxiety levels, and enhancing their communication skills and satisfaction. For that reason, the development of students' competency areas is thought to be effective for the enhancement of patients and healthcare workers' safety.

Keywords: Midwifery education, clinical practice, midwifery skills laboratory, standardized patient, high fidelity simulation, psychomotor skill, communication, anxiety, satisfaction

Biography

She graduated in first place from Hacettepe University in 1989. She won the İhsan Dogramacı Superior Merit Award and Science Incentive Award. She earned her pilot's license from Republic of Turkey Ministry of Transport. She studied about counseling on assisted reproductive techniques at Liverpool Women's Hospital Reproductive Medicine Unit in United Kingdom on the British Council Research Scholarship. She earned a certificate in management and leadership in nursing. She is an active member of Thematic Network leadership work group. She studied as a research scholar at Kent State University College of Nursing in 2006. In 2007, she worked on a project named "Development of Leadership Skills in Nursing Doctoral Students" at University of Michigan Faculty of Nursing on an international research scholarship which was supported by International Network for Doctoral Education in Nursing (INDEN) and Sigma Theta Tau and provided to only three people around the world every year. She worked as a research assistant at Hacettepe University School of Nursing in the Maternity and Women's Health Nursing Division from 1990 to 1997. She was promoted to assistant professor in 1998, associate professor in 2006 and professor in 2012. She worked as a Co-Head of Nursing Department, Erasmus Department Coordinator, Head of Strategic Planning Group and board member of Hacettepe University Women's Research and Implementation Center (HUWRICH) between 2009 and 2011. Her interest subjects are sexuality and reproductive health and management and leadership. She is member of national and international nurse's organizations such as INDEN and Sigma Theta Tau. She has been working as a Director of Nursing Services at Hacettepe University Hospitals between 2012-2016 and Founding Dean of Faculty of Nursing. She has published more than 90 papers, 20 grant projects, eight books as an editor and author, and more than 120 presentation in the national and international. She is also invited speaker more than 60 congress and symposium. She had a founder dean Faculty of Health Science in İstinye University and Director of Nursing of MLPCare between 2016-2018.

She is currently work as a Dean of Faculty of Health Science and Head of Department of Nursing in Atilım University, Ankara, Turkey.