



## Investigating the impact of artificial intelligence in nursing education

sakineh mazlom\*

**Department of Nursing Faculty of Midwifery and Nursing Tehran Medical Sciences Islamic Azad University Tehran Iran**

### Introduction:

As an emerging technology, artificial intelligence (AI) has the potential capacity to change educational methods, especially in nursing sciences. With the expansion of the needs of health care systems, the effective training of nurses has become one of the main priorities. The purpose of this study is to investigate the impact of artificial intelligence on educational processes and clinical skills in nursing sciences.

### Research method:

This review research is based on studies published between 2015 and 2023. Related articles were searched from scientific databases such as PubMed, Scopus and Web of Science. The inclusion criteria included studies that have addressed the use of artificial intelligence tools in nursing education. The data were analyzed qualitatively.

### Results:

Studies have shown that the use of AI-based tools such as virtual reality simulators, adaptive learning systems, and data analysis platforms has improved learning, increased self-confidence, and strengthened nursing students' clinical skills. Also, this technology has been able to provide interactive and personalized learning experiences. However, challenges such as high cost, ethical concerns and data privacy were also reported.

### Conclusion:

Artificial intelligence can be a powerful tool to improve the quality of nursing education. This technology helps to enhance clinical skills and improve learning processes by providing innovative approaches. However, for the effective implementation of this technology, it is necessary to pay attention to the ethical considerations and the required infrastructure.



6th International Conference on

Nursing, Midwifery and Care

Event Place: Tbilisi, Georgia

[www.nmconf.ir](http://www.nmconf.ir)

ششمین کنفرانس بین المللی

پرستاری، ماماای و مراقبت گرجستان



6th International Conference on Nursing, Midwifery and Care

مجلات معتبر بین المللی

گواهینامه بین المللی

## Refrence:

1. Topaz M, Gordon M, Bar-Bachar O, et al. Nurses' Use of Artificial Intelligence for Improved Education and Training. \*Nurs Educ Perspect\*. 2023;44(2):67-74.
2. Car J, Carlstedt-Duke J, Atun R, et al. The impact of AI in healthcare and nursing education: a systematic review. \*J Med Educ Curr Dev\*. 2023;10:2382-93.
3. Park SH, Choi TY, Lee S. Simulation-based learning in nursing education using AI-driven virtual patients. \*Int J Nurs Educ Scholarsh\*. 2022;19(3):e5432.