

Research Priorities of the Critical Care Nursing and Operating Room Department

Research priorities in critical care nursing include improving patient safety, enhancing the quality of nursing care, standardizing processes, preventing nursing errors, promoting a safety culture, palliative care, managing challenges related to critically ill patients, end-of-life care, ethical issues, and the use of modern technologies such as telenursing and the application of artificial intelligence. These priorities have been developed with the aim of increasing the level of knowledge and skills of nurses and improving patient health.

Key Topics and Research Priorities:

- **Patient Safety in Intensive Care Units and Operating Rooms:**

- o Reducing nursing errors and developing strategies for their prevention.
- o Promoting a safety culture in intensive care units.
- o Introducing and investigating novel patient safety methods.
- o Applying novel methods for adhering to correct principles in the implementation of medication prescriptions.

- **Critical Care:**

- o Evaluating the effectiveness of various advanced care practices in intensive care units.
- o Evaluating the outcomes of novel nursing interventions in intensive care units.
- o Design, implementation, and evaluation of programs to improve patient comfort in intensive care units (pain, anxiety, agitation).
- o Localization, development, and application of clinical guidelines for the care of patients in intensive care units.
- o Explaining the experiences of patients and staff working in intensive care units.

- **Quality of Care:**

- o Enhancing the quality of nursing care in intensive care units and operating rooms.
- o Standardizing tools and processes for assessing quality of care in intensive care units and operating rooms.
- o Design and implementation of quality improvement programs in intensive care units and operating rooms.

- **Nurse Education and Skills:**

- o Improving the quality of education in intensive care units and operating rooms.
- o Assessment and development of critical care nurses' skills and knowledge.
- o Challenges of clinical education for students in the critical care and operating room group.
- o The role and position of mentorship and preceptorship in the clinical education of critical care nursing and nursing management students.

- **Palliative Care:**

- o Improving palliative care for critically ill patients hospitalized in intensive care units.
- o End-of-life care and terminal care in the intensive care unit.
- o Explaining patients' experiences of receiving palliative care.

- **Management and Leadership:**

- o Designing novel management and leadership models in nursing.
- o Evaluating the performance of nursing managers and conducting comparative analyses.
- o Enhancing job motivation among nurses and faculty members in intensive care units.
- o Enhancing learning motivation among nursing students.
- o Readmission (causes, interventions, outcome evaluation, patient and family education, self-care) in intensive care units.
- o Improving the management of nursing resources and human resources.
- o Employing skilled and specialized human resources, managing stress and workload, and enhancing leadership and management skills among personnel in intensive care units.

- **Post-Discharge Care and Other Areas:**

- o Investigating the quality of life of patients with chronic and specific diseases.
- o Improving strategies for providing home care services.
- o Investigating the psycho-social needs of families of patients hospitalized in the ICU and improving the quality of psychological support.
- o Consequences of hospitalization (physical, psychological, social) in intensive care units.
- o Design, implementation, and evaluation of discharge programs and improving the lifestyle and quality of life of patients in intensive care units and after discharge.
- o Using modern technologies to improve patient care in intensive care units.
- o Enhancing professional commitment in nursing education and care in intensive care units and operating rooms.
- o Application of medical technologies, development of intelligent diagnostic and treatment systems, utilization of telemedicine, virtual reality, and modern imaging tools in intensive care units.