

ANESTHESIA NURSE- ADVANCED ANESTHESIA NURSE: SIMILARITIES AND DIFFERENCES

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CONTENT

- Education system in Lithuania
- Nursing education system in Lithuania
- Advanced practice anesthesia and intensive care nurse
- Challenges



REPUBLIC KLAIPEDA HOSPITAL

- The Republican Klaipėda Hospital is a healthcare institution located in Klaipėda.
- The hospital has 24 clinical departments, 925 beds; 1,250 employees, including 210 doctors, 504 nurses, about 28,000 patients are treated in a year, 12 thousand surgeries, 380 thousand outpatient consultations.

REPUBLIC KLAIPEDA HOSPITAL



LITHUANIAN EDUCATION SYSTEM

- **Pre-school and pre-primary education** - attendance is compulsory for pre-primary education when a child turns 5 years of age by 30 April of any given calendar year.
- **Primary (Primary education lasts for 4 years) and lower secondary education** Children must start attending primary schools when they turn 7 years of age during any given calendar year. Education is compulsory until the age of 16.
- **Pre-gymnasiums**
- **Upper secondary** (The two-year upper secondary curriculum is implemented by gymnasiums).
- **Higher education.** Higher education comprises two types of institutions: **universities** and **colleges**. Learners can begin their higher education after gaining an upper secondary education. The degree structure follows a three-cycle structure: Bachelor's, Master's and Doctoral-level studies.
- The first cycle of studies (Bachelor's) usually lasts for four academic years, the second cycle (Master's) two years and the third cycle (Doctoral) another four years.

NURSING EDUCATION IN LITHUANIA

- **Universities (4 years full time)**
- and
- **Colleges (3,5 years full time).**

Bachelor of Science in Nursing diploma

- **ANESTHESIA AND INTENSIVE NURSING** is a non-formal educational program (960 hours). Theory - 80 hours, practice - 880 hours.
- The program is designed for general practice nurses seeking to practice anesthesia and intensive care.

ADVANCED PRACTICE ANESTHESIA and INTENSIVE CARE NURSE

- **Universities (4 years full time) → Masters degree at Vilnius or Kaunas Universities (2 years full time)**



OR

- **Colleges (3,5 years full time)→**
- **Compensatory studies (1 year) →**

Masters degree at Vilnius or Kaunas Universities (2 years full time).

- The goal of advanced **practice** nursing is to prepare competent, qualified advanced practice nurses whose professional and scientific activities are based on the development and application of the latest advanced nursing knowledge and methods in clinical practice.
- They aim to deepen and expand clinical and research competencies: innovative expert nursing practice, educational and research competencies; patient and colleague counseling and training, clinical leadership, collaboration, strategic and systemic approach to quality of healthcare services.
- **In this study program, special attention is paid to the development of practical skills.**

- The activities of advanced anesthesia and intensive care nurses are defined by the order of the Minister of Health of the Republic of Lithuania „On the approval of Lithuanian medical standards MN 160:2017 "Nurse in Advanced Practice" on 7 July 2017 no. V-852
- Conducts preoperative consultation of patients before planned operations
- Independently performs endotracheal anesthesia (intubates, extubates) according to the plan prepared by the doctor's anesthesiologist in patients undergoing planned operations ASA group I - II

- Assess the patient's condition according to the ASA physical condition classification;
- Assess the patient's state of consciousness according to the glasgow coma scale;
- By palpation to determine the pulsation of the main arteries of the limbs according to the principle "is" or "is not";
- Assess acute and chronic limb ischemia according to the Fonten classification;
- Carry out standardized labeling of medicinal products and syringes in anesthesiology and/or intensive care;

- Ensuring airway passage and breathing (spontaneous or artificial)
- Endotracheal intubation, extubation;
- Conicotomy;
- Artificial lung ventilation with manual and automatic medical devices;
- To apply modes of artificial lung ventilation, taking into account the clinical situation;
- Non-invasive artificial lung ventilation, taking into account the clinical situation;
- Measurement of intracranial pressure
- Electroencephalography
- Anesthesia depth monitoring;
- Determining the level of pain, being able to manage it by selecting individual doses of medicinal products;
- Monitoring of fluid balance, control of the rate of intravenous infusion therapy, assessment of perspiration and taking into account hemodynamic indicators;
- Calculation of parenteral and/or enteral nutrition and fluid requirements.

SUMMARY

The main problems in successful integration of the advanced nurse specialist arise from lack of professional confidence, poor advanced nurse role development.

It was observed that the opportunities for interprofessional cooperation are more favorable in teams with a positive attitude.

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