

Nurse Anesthesia Program Eastern Part of Denmark

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Initial IFNA Accreditation **May 2015**

Renewal: **May 2020**

Accreditation valid until **May 2025**

After applying for renewal the program was evaluated following the renewal process described in the International Federation of Nurse Anesthetists ANESTHESIA PROGRAM APPROVAL PROCESS (APAP): OPERATIONAL POLICIES AND PROCEDURES (pg. 10).

A current curriculum was presented to actualize the information about the program. Following the review of all information, renewal of Accreditation was granted based on the program's meeting eligibility requirements, ability to comply with the IFNA Education Standards.

Curriculum Overview

Credentials: Degree/ **Diploma** / Certificate awarded: **State Diploma**

Theory Courses

Introductory lectures	Lessons
Structure and function of the anaesthesia machines	9
Work environment	2
Respiratory physiology	3
Preparing for anaesthesia and reception of the patient	3
Intravenous anaesthesia	3
Per-operative nursing	5
Neuromuscular transmission and neuromuscular blocking agents	3
Cardiovascular physiology	3
Inhalation anaesthetics	3
Documentation of anaesthetic courses	1
Introduction to clinical competencies, non-technical skills and to the nurse anaesthesia program	10
Positioning of the patient	3
Total	48

Other lectures of natural science	Lessons
"To expect the unexpected"	6
Cardio team training	6
Total	12

Lectures of natural science	Lessons
General pharmacology – pharmaco dynamics and pharmaco kinetics	5
Inhaled anaesthetics (physical and chemical properties, pharmacology and administration)	4
Neuromuscular transmission/monitoring and muscle relaxants	4
Pharmacology of intravenous anaesthetics	6

Regional anaesthesia	5
Anatomy and physiology of the central- and on the autonomous nervous system	6
The influence of drugs on the autonomous nervous system	3
Anaesthesia practice for patients with various medical conditions	22
Anaesthesia practice for patient in various surgical specialties	14
Anaesthesia for children over 2 years	6
Anaesthesia for the geriatric patient	3
Clinical monitoring (ET-CO ₂ , ET-gas, pressure-volume curves)	3
Circulation (circulatory physiology, pathophysiology, pharmacology)	4
Clinical monitoring (circulation)	2
ECG	6
Respiratory physiology, pathophysiology, pharmacology)	6
Acid-base balance	4
Fluids and electrolytes therapy	5
Bleeding, hemostasis and blood component therapy	5
Shocks	2
Stress response	2
ABCDE principle - assessment of the critically ill patient	4
Anaesthetic treatment during transportation	2
Anaesthesia treatment of poisoned patients	2
Anaesthesia treatment of unconscious patients	1
Cardiopulmonary resuscitation	1
Airway management and rapid sequence induction	4
Preoperative assessment and preparation of the patient	3
Positioning for anaesthesia and surgery	3
Awareness	2
Documentation of anaesthesia courses	2
Anaesthesia complications	4
Legal issues in nurse anaesthesia	3
Pain management. Preventing and treating nausea	4
Post-anaesthesia recovery	2
Thermal adjustment in anaesthesia	2
Receiving and treating of severely burned patients with regard to anaesthesia	2
Total	160

Quality development and cross-professional coordination and cooperation	Lessons
Theory of science method and Literature search	12
Quality management	4
Documentation	2
Ethics, moral and ethical dilemmas	6
Introduction to human science thesis and the final written thesis	3
Communication and short contacts (adults and children)	12
Nursing Science's contribution to clinical practice	6
Academic argumentation	3
Culture of organization and implementation	3
Preparation of thesis	14
Total	65

Simulation based training	Lessons
Inhalation anaesthetics	6
Rapid sequence induction	6
Hemodynamics	6
The difficult airway	6
Critical incidents in anesthetic management	6

Pediatric anesthesia	6
The clinical complex patient in anesthesia	12
Total	48

Clinical Education

Program for assessment of clinical competences (Competence cards)

Rotation in anaesthetic wards, comprising a minimum of three specialist fields including a mandatory attachment in an ear-nose-and throat ward (exclusive vacation) 84 weeks

1. Planning of anaesthesia and reception of patient
2. Airway management
3. IV anaesthesia and neuromuscular relaxation
4. Anaesthesia machines
5. Per-operative nursing
6. Rapid sequence induction
7. Inhalation anaesthetics
8. Regional anaesthesia and peripheral nerve block
9. Sedation
10. Anaesthesia for laparoscopic surgery
11. Anaesthesia for geriatric patient
12. Anaesthesia for obese patient
13. Anaesthesia for children patient
14. Continuity of perioperative patient care
15. Anaesthesia for complex patient
16. Difficult airway management