

Master in Advanced Practice Neonatal Nursing in Norway

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Advanced Practice Neonatal Nurses are:

”Advanced Practice Nurse is a registered nurse who has acquired the expert knowledge base, complex decision-making skills and clinical competencies for expanded practice, the characteristics of which are shaped by the context and/or country in which she/he is credentialed to practice”

(International Council of Nurses, 2004).

Historical overview – the long way

- 2000; Due to capacity problems, a competency program was developed
 - 1472 RN from NICU's in south-east Norway. Part of the program open to nurses nationwide
- 2005 National pilot project ; post graduate education in neonatal nursing
- 2006 Accredited Norwegian Agency for Quality Assurance in Education (NOKUT) 60 ects
- Trained 140 neonatal RN from all over the country
- 9th class finished now December 2018
- 2018 Accredited Master in Neonatal nursing (NOKUT) 120 ects
- **First Master class will start in January 2019**

Norwegian Directorate of Health- 2017

Staffing and competencies in neonatal intensive care units



- Among others, the need for competency in nursing is recommended as follows:
 - NICU level 3c (high intensive care) → 60 % nurse specialists
 - NICU level 3b (GA > 26) → 50 % nurse specialists
 - NICU level 3a (GA > 28) → 50 % nurse specialists
 - NICU level 2 (GA > 32) → not specified in %

The Bologna process for higher education



Master i avansert klinisk nyfødtsykepleie (3-årig forløp)				
Semester	Emnets kode og navn Name and kode	Praksis- studier Clinical practice	Studie- poeng ECTS	Mulighet for utveksling Possible international exchange
1	MNSY – 100 Observasjon, systematisk kartlegging og vurdering av den nyfødte og familiens behov for helsehjelp Observation, systematic mapping and assessment of the newborn's and family's needs for health care	7 uker (210 t)	10	
	MNNA – 100 Neonatologi, fysiologi og patofysiologi Neonatology, physiology and pathophysiology		10	
2	MNSY – 200 Vurdering og medisinsk behandling av premature og akutt kritisk syke nyfødte Assessment and medical treatment of premature and acute critically ill newborns		10	
	MFSA – 100 Vitenskapsteori og forskningsmetode Theory of science and research method		10	
3	MNSY – 300 Avansert klinisk sykepleie til premature og kritisk syke nyfødte, del 1 Advanced clinical nursing for premature and critically ill newborns, part 1	6 uker (180 t)	10	x
	MNNA – 200 Patofysiologi, farmakologi og medisinsk behandling Pathophysiology, Pharmacology and Medical Treatment		5	x
	MFVA – 100 Klinisk veiledning (selvvalgt emne) Clinical guidance (self-chosen topic)		5	x
4	MNSY – 400 Avansert klinisk sykepleie til premature og kritisk syke nyfødte, del 2 Advanced clinical nursing for premature and critically ill newborns, part 2	6 uker (180 t)	10	x
	MFSA – 200 Organisasjon og samhandling Organization and coordination	1 uke (30 t)	10	x
5	MFSA – 300 Prosjektplanlegging Project planning		10	
	MFSY – 900 Masteroppgave Master thesis		30	

EFCNI: Education and training of the multidisciplinary team



EDUCATION PROGRAMME SUPPORTING PARENTS AND FAMILIES

- FCC/ Fi Care are the overarching conceptual framework in the program
- Educating and supporting parents in reading infant cues and performing care procedures are key elements
- Several programs exist; Close Collaboration with Parents, or NIDCAP based teaching, are examples of programs in Norwegian NICU's
- *Future development; E-learning modules for both HCP and families, and more involvement of “veteran parents” programs*



EVIDENCE-BASED PRACTICE AND CONTINUING PROFESSIONAL DEVELOPMENT



- EBP is stressed in the curriculum. Students gain competency in literature search and critically review knowledge
- All written papers and exams are knowledge based
- Regarding CPD, beyond postgraduate or master, collaboration projects or producing evidence based clinical guidelines should be facilitated by hospitals
- Consultants have time off for CPD on a regular basis, but this does not yet apply for nurses



A COMMON NEONATAL NURSE TRAINING CURRICULUM

- In-service or on the-job training. Basic competencies. 6months-2 years depending on complexity. Provided by educators working in NICU
- Post graduate and master education. Students have at least one year experience in neonatal nursing prior to entering the program
- As presented in the historical overview, the master program meet the domains cited in the standard
- *Concerning the next step, we encourage and fund collaboration projects between NICU`s and LDUC*
- *Parents do give lectures in the program, but are currently not provided with the opportunity to review and revise the curriculum*



NEONATAL RESUSCITATION TRAINING AND THE ROLE OF SIMULATION



- All Norwegian NICU`s facilitate simulation based training in resuscitation on a regular basis
- Mandatory simulation based training is performed every semester
- Students advance from basic skills training scenarios to full scale inter-professional and «in-situ» simulation with realistic teams
- *Parental involvement in simulation based training?*





WE EDUCATE CHANGING AGENTS !

