

Certificate of Advanced Studies HES-SO

CARE OF AT-RISK NEWBORN

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Full-term or premature At-Risk Newborn remain one of the central preoccupations of the present infant health. About 10% of Newborns enter in this category in Switzerland. The constant progress in medicine of these last forty years runs significantly down rates of mortality and morbidity. This enhancement is due to the quality of coverage given to this specific population. Moreover, it is based on specific knowledge and competences adding together with a basic formation.

Vulnerability - Instability - Quickly changes

Perinatal and neonatal periods are critical phases for the at-Risk Newborn. He has to go through a period characterized by vulnerability, hospitalization and specific care. He can be born at full-term or prematurely with complications. His state can be instable with a vital risk, stable but precarious, in retrieving period and additionally to that, in particularly for the premature Newborn, in a period of growth.

The management of newborns' instability is essential in a process of adaptation full of rapid changes on physical, psychological and environmental levels.

Continuity of Care - Multidisciplinary- Networks

The construction or modification of the family cell interacts with the process of attachment that occurs when the creation of the first family ties may be disrupted by a physical separation.

The coverage of these Newborns is complex and requires teamwork to ensure the continuity of care from his birth to his home. A multidisciplinary cooperation and collaboration with other structures allow health professional to ensure the immediate and long-term becoming of babies and their family, taking into account social and cultural variety and particularities.

SCOPE OF OPERATION

Professionals working in neonatology take part to the coverage of at-risk Newborns in delivery room as well as in the transportation from hospital to hospital, in ambulance or in helicopter. He-she collaborates with obstetrical teams in pre and immediate postnatal periods, as well as with pediatric teams for transfers. Furthermore, he-she has to ensure high-level care in stable and instable situations.

Professionals working in postnatal care or in delivery rooms, in or outside of hospital structures have to quickly screen at-Risk situations and be able to assume appropriate coverage of Newborns. He-she works in interaction with specialized services that takes Newborns' coverage and takes actively part to the continuity of the mother-infant ties in spite of physical separation.

Professionals working in pediatrics are led to complex neonatology situations that have moderate vital risk. The comprehension of the Newborn life course and of his family is necessary to understand to ensure the continuity of health quality. The fragility and the lability of these children need a thorough knowledge of decompensation risks and of the implementation of medical surveillance.



A NEW OFFER

In order to answer to the needs of a lot of professionals and in order to face the increasing number of jobs in this sector, the Haute Ecole Cantonale Vaudoise de la Santé, teamed up with the Neonatology specialized in DMCP-CHUV, purpose a new post grad formation, centered on Care of premature or at full-term At-Risk Newborns, in situations characterized by emergency, instability and vulnerability, as well as the follow-up of infants from hospital to their integration in their family.

OBJECTIVE TO ENHANCE ABILITY WHEN DELIVERING CARE TO NEONATES AND THEIR FAMILIES

The goal of CAS in Care to At-Risk Newborns is to improve the quality of care and the consolidation of professional posture, through a rigorous reflexive and creative practice. This practice is centered on understanding and integration of at-Risk Newborns' characteristics and particular needs as for their families. It is based on convincing data and their use in the practice.

TARGET AUDIENCE

Students who enter in this course are nurses, midwives and male midwives who are working with at-Risk Newborns, at full-term and premature Newborns in hospital (in a delivery room, in postnatal services, in specialized neonatology unit, in pediatric services) and outside of hospital.

This course is designed to professionals who begin to work in this field and who want to enhance ability, knowledge and specific competences when delivering care to neonates and their families.

THE FORMATION

REFERENTIEL COMPETENCE

Three generic competences are developed in this training on the base of a work realized experts in this challenging field who identified emblematic constitutive situations in the practices.

Competency 1

Identification, analyze and quick evaluation of the problematic state of care presented by at-Risk, full-term or premature Newborns, in emergency case and in the continuity, allowing an implementation of appropriate reaction.

- 1.1 By demonstrating knowledge in situations and physiological and pathological process in this period of life and by effectively and efficiently differentiate them.
- 1.2 By proving extreme precision and rigorousness in observation, investigation and information gathering.
- 1.3 By recognizing clinical signs and investigations parameters by integrating specific norms and variability when considering situations and by interpreting them correctly.
- 1.4 By integrating new knowledge based on convincing data's.
- 1.5 By systematically analyzing responses brought to various official reports, assessments and asserted diagnostic.
- 1.6 By justifying appropriate interventions, by prioritizing degrees of emergencies, instabilities and complexity, aso.
- 1.7 By adopting an attitude and an organization adapted to the needs and/or necessity engendered by the situation.
- 1.8 By adopting a reflexive attitude and by having recourse to auto evaluation, intervision and supervision.

Competency 2

Coverage of full-term and premature at-Risk Newborns by taking into account their specific gestures and specific care in this field of intervention.

- 2.1 By showing precision and attention corresponding to particular requirements in the field of perinatology and neonatology (care protocols, technical gestures, posology, calculation, dose medicine, transpositions, adaptation, aso.)
- 2.2 By mastering available standard hospital equipment in its field of intervention and the handling of usual systems.
- 2.3 By advantaging the development of an interdisciplinary approach of care describing therapeutic preventive and palliatives aspects, by completely integrating parents in this process.
- 2.4 By judiciously using resources in an efficient way.
- 2.5 By respecting ethical and deontological principles and legal framework in decisions of professional actions.
- 2.6 By initiating and keeping an emotionally favorable climate, taking into account entourage and various participants, in order to ensure security and quality in care.
- 2.7 By finely taking into account of the characteristics of the perception and the Newborn sensorial expressions, whereas be his-her gestational age (pain, posture, hearing and visual aggressions, crying, aso.)
- 2.8 By adopting a controlled behavior in order to appease the children and its entourage.
- 2.9 By showing creativity in accordance to the own rhythm of participants and situations.
- 2.10 By guarantying physical, emotional and environmental children security.

Competency 3

Establishing a communication and significant relationships with the child, his-her parents and their entourage, in the perspective of an information, a training and an adapted support.

- 3.1 By differencing the nature, the degree of precision and the impact of given information, as resources and needs of interlocutors.
- 3.2 By adapting the language and the communication to interlocutors' possibilities of understanding.
- 3.3 By taking under consideration and accept emotions, expectancies, and needs of the parents and their entourage.
- 3.4 By facilitating the first links and the process of attachment between parents and infants through enhance interactions.
- 3.5 By purposing a participation to care to parents in every favorable occasion, by using resources and by determining the role of everybody.
- 3.6 By guiding the parents in the more appropriate attitude toward circumstances and by support them in their choices.
- 3.7 By supporting the development of the parental role as the new family dynamic, by integrating the brothers and sisters, if the occasion arises.
- 3.8 By elaborating propositions' aiming at prevent or reduce stress and parental burn up.
- 3.9 By choosing congruous resources of the network in order to elaborate the best strategies of support and accompaniment.

PEDAGOGIC CHARACTERISTICS

This pedagogic approach and the purposed didactic resources are varied and advantage the development of competences thanks to the use of participative methods. They bring participants to a professional specific construction by exploiting practice and experience.

This course is led by teachers as nurses, midwives, in psychological, social and medical field, a teaching via e-learning, case studies, seminars, workshops, field simulation exercises together with experienced professional.

STRUCTURE

The course is given for professional who are in the course of employment and provide to participants the possibility to develop their competences through a course that promote a reflexive approach between theory, workshops, seminars and clinical experiences.

Organized on one year, period of classes are usually gathered together in sessions of two or three days.

The training correspond to 15 credits ECTS:

- 23 days in class including 150 periods with the presence of a teacher (with class, seminars, workshops, simulated situations, aso.)
- 300 hours of personal work (studies directed with instructions, e-learning, accompanied practice, validation of modules and work certification)

This training is constituted of two modules and one work certification centered on specific practice of the participant.

THE MODULES AND WORK CERTIFICATION

Considering that the premature and at full-term Newborn is endowed with physical, relational, cognitive and developed competences, the training focus on:

- The personalization of care
- The child development
- Implications of parents as partners during the hospitalization

Module A - The vulnerable Newborn: bases of neonatology, care and transversal concepts *6 credits ECTS*

This module develops mainly aspects of theory and integration in the practice in the following thematic:

- The definitions of the perinatal, neonatology and their historical, actual and epidemiological aspects.
- Multidisciplinary project for vulnerable child and its family.
- Emblematic pregnancy pathologies.
- Normality and risk factors.
- Prevention and health promotion axes.
- Transversal and specific concepts about Care of at-Risk Newborns.
- Parents-children-professionals' Relationship and interprofessional's relationship, their normality and vulnerability in crisis.
- Normality and specific pathology to vulnerable, premature and full-term Newborns.
- Care, supervision and treatments.

It is validated by a summative and individual reference to transversal concepts worked in the module.

Module B - The instable Newborn: care and emergency interventions

7 credits ECTS

This module develops mainly theoretical aspects and integrations in practice by the following thematic:

- The multidisciplinary project for the instable Newborn and his-her family.
- Consequences of at-risk pregnancy on the Newborn.
- Specific pathologies to premature or at full-term Newborns presenting a vital risk.
- Care, supervision and treatments belonging to this situation.
- Communication, relationship and professional position in emergency situation.
- Prognostic and becoming of these children.

It is validated by an individual summative evaluation based on real situation, describing a quick evaluation of an instable Newborn and the emphasis of his-her priority care problems.

Dissertation degree

2 credits ECTS

Centered on a specific professional practice of the participant, this work allows the student to develop three competences of the referential through the evidence of a professional problematic and proposition of an innovative approach. It is constructed through the mobilization and integration of various resources issued from the formation.

ADMISSION, INSCRIPTION AND CERTIFICATION

CONDITIONS OF ADMISSIONS

To study at the CAS Care of at-Risk Newborns, the candidates have to satisfy the following conditions:

1. Have a nurse professional HES diploma or equivalent or a midwife, male midwife HES diploma.
2. Exercising in a neonatology hospital service of pediatric, maternity, in delivery house or as independent midwife.
3. Gain the employer agreement to take part to this course
4. Beneficiate of the supervision of an experimented professional, chosen by the employer during the training period.

The number of places is limited.

CERTIFICATIONS CONDITIONS

In order to obtain a CAS certificate, the participant has to satisfy to the three following conditions:

- a) Obtain credits corresponding to the two modules of formation
- b) Obtain credits corresponding to a work certification
- c) Be present during at least 90 % of the formation

TITLE OBTAINED

Achievement of the formation allows the procurement of a Certificate of Advanced Studies (CAS) HES SO in Care of at-Risk Newborns.

This formation is ratified by the HES-SO.

ADRESSES



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