

Certificate of Advanced Studies HES-SO

PRACTICE OF ENDOSCOPY

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INTRODUCTION

Endoscopic techniques are in full expansion today. These techniques are not only aimed to provide diagnosis, but they allow increasingly doctors to treat and thus to avoid chirurgical interventions.

A checkup in endoscopy can be transformed into very complex therapeutic. Indeed, in order to avoid a second endoscopy, treatments are often effectuated immediately after the endoscopy procedure.

The medical treatment of anguished and stressed patients during endoscopic procedures needs good technique of endoscopies' comprehension and implementation as well as a capacity to establish an efficient relationship with these patients in a very short space of time.

The activities of a nurse exercising in this context consist in doing the whole tasks to prepare and realize endoscopic gesture, the reprocessing of Medical Devices (MDs), in ensuring patients' and collaborators' security and in responding to specific demands under process of examination. These activities require knowledge and competences that combine technical expertise, ability and dexterity by using MDs, mastering of communication, overview of situations and precise analysis of modifications. Moreover, nurses are led to take decisions that need realization of self-care and delegated care in a changing environment and in interdisciplinary teams.

A NEW OFFER

In order to develop these specific competencies, the High School HECVSanté, in collaboration with the CHUV's (Centre Hospitalier Universitaire Vaudois) Direction of Care and the Department of Interdisciplinary and medical logistic, purpose a new postgrad training centered on the realization of endoscopies, medical treatment and its environment.

AIM

This formation is aiming at developing practice of endoscopy and the management of patients who have to go through endoscopic examination. This formation points out the preparation, assistance and realization of endoscopic examination, as the installation and sedation of patient during the examination.

TARGETED PUBLIC

The formation is designed to nurses or male-nurses who have a limited experience in the field of intervention and who would like to improve their knowledge and specific competences, their possibilities of mobilization, transfer of competences and consolidation of their practices.

THE FORMATION

REFERENTIAL OF COMPETENCES

This formation points up the development of the three undermentioned competences that are characteristic of the field of intervention. These competences - that are the added value of this formation - form a part of the professional exercise particularly linked to the professional sector of the participant and to his-her collective competences learned into his-her professional team.

Competency 1

Plan, organize and realize standard endoscopic gesture in accordance with criterias and by taking into account specific context and conditions.

- 1.1 By organizing sequences and stages into a hierarchy of activities in order to realize it rationally and being effective.
- 1.2 By taking priorities into account and by proceeding to possible rehabilitation.
- 1.3 By paying attention, precision and ability on security and by corresponding to requirement of this activity.
- 1.4 By referring easily to procedures, rules and correct procedure in use in this specific context.
- 1.5 By using scientific knowledge and experienced know-how (EBP; evidenced based practice).
- 1.6 By demonstrating his-her comprehension of aims, indications, contraindication, long-awaited performance, risks and complications relating to diagnosis and therapeutic situations.
- 1.7 By finding out special situations that need specific supervision.
- 1.8 By using patients and team resources, competences and collaboration.
- 1.9 By systematically evaluating actions and results.

Competency 2

Establish a respectful and empathic relationship with patients and communicate efficiently and professionally within a multidisciplinary team.

- 2.1 By adapting verbal and non verbal communication and the language's complexity to interlocutors and patients possibilities of comprehension, concerns, needs and expectancies.
- 2.2 By supporting the patient on an affective and emotional plan during the intervention or investigation as far as effective possibilities and with an adapted attitude to special situation
- 2.3 By adopting a comforting and support behavior by knowing how to select transmitted information's to the patient in situations where interactions need to be boosted.
- 2.4 By regulating the form and the contents of exchange during times of investigation-intervention.
- 2.5 By passing on his-her knowledge and his-her comprehension of DMx and of the equipment throughout information's action and training to other team members.

Competency 3

Ensure the accordance and making the endoscopic environment operational by judiciously using DMx at disposal and by identifying risks of endoscopic exam for patients and collaborators.

- 3.1 By easily preparing, manipulating and managing necessary DMx.
- 3.2 By referring to professional standards, to guidelines in an appropriate way, to hygienic and sterilization norms in force, to appropriate publications or to qualified and specialized persons.
- 3.3 By showing knowledge and comprehension of the DMx's functioning and of the staff through actions of information's and formation of other team member.
- 3.4 By putting into practice an organization of work that limit risks and ensure security for one's self, for the patient and for the present collaborator.

FORMATION AND ITS ORGANISATION

The CAS is organized in 3 modules corresponding to a total of 15 ECTS' credits. An ECTS credit represent about 30 hours of work and investments of the part of the participant. In this formation, a third of this time is education (class, seminar, workshops, simulated situations) that requires the presence under the form of education and about 300 hours of personal work (directed studies with instructions, specific lectures, individual exercises, personal studies for the validation of the modules, accompanied practice. Each of this module insist on the referential competence without losing sight of the whole competences to develop. The pedagogic method and the purposed didactic means advantage the apprenticeship of competences thanks to the use of participatory methods.

In order to ensure the dimension of formation by working, these training (150 hours) are organized in 24 days (theoretic and practice formation) shared out among 1 year. The periods of formation are gather together by sessions of two or three days (outside of the scholar vacations.)

THE MODULES

Module A **Necessary professional knowledge for realizing an endoscopic usual gesture.** *9.5 days + 5 activities accompanied practice / 6 ECTS credits*

This module is particularly oriented on the first referential competence and is aiming at the construction of the professional for the endoscopic gesture. It brings essential knowledge and methodologies to this exercise.

A1. Basic knowledge and references of anatomy, physiopathology and endoscopic indications of four medical specificities frequently encountered in the Endoscopic Center of French Switzerland (gastroenterology, pneumology, urology, ORL).

A2. Organization and preparation of endoscopic gesture: standard installation of an endoscopic ward, coverage of patients before and during investigations, knowledge of specific material, sampling, and so on.

A3. Endoscopic gesture of realization: current techniques for the gastroenterology and pneumology, preview of urology and ENT techniques, monitoring and specific aftercare, sedation, and so on.

Validation of the module: descriptive and analytic realization of these five activities in the frame of accompanied practice.

Module B **The relation's coverage of the patient at the time of endoscopic gesture.** *7 days training / 4 ECTS credits*

This module is dedicated to the construction of the second competence as a priority: it is aiming at favor a social helping behavior, supporting the creation of a serene atmosphere contributing to avoid stress by patients and in the bosom's of the team with a direct contribution to a performing team work.

B1. The transmission of information: clarity, data's accuracy, control, consent, cultural and religious aspects, and so on.

B2. The relationship with the patient: basic concept of communication and of the relation, influence and impacts of emotional and physical status, means and devices favoring a support and an accompaniment, and so on.

B3. The communication in a multidisciplinary team: function, roles and responsibility of various actors and teamwork, communication and professional attitudes, positions and personal postures, and so on.

The validation of the module: reflexive analysis of an awareness situation containing relational and important communicational dimension.

Module C **Risk and security management in current endoscopic gesture** *7.5 days class / 5 ECTS credits*

The development of this third competence is ensured by the module that point out a very global notion of gesture in endoscopic environment. The knowledge are organized by three logical leads that allow to come back on some actual and inescapable determinants as new legal frames, rights of the patient, health costs, nosocomial infections, and so on.

C1. The DMx reprocessing: sterilization, disinfection, asepsis and antisepsis, legal aspects related to DMx. Hospital hygiene and standard measures, and so on.

C2. The constitution of an endoscope and DMx currently used: flexible and rigid video endoscope, processor and video endoscopy, control functionality, and so on.

C3. The risk prevention and patient security and collaborator : endoscopic and risk gesture, physical security, electric and chemical, aseptic security, and so on.

Validation of the module: test of knowledge.

ADMISSION REQUIREMENTS

To study at the CAS Practice of Endoscopy, the candidates have to satisfy the following conditions:

1. Have a nurse professional HES diploma or equivalent,
2. Exercising in a center of endoscopy, in a medical office or equivalent or another appropriate structure at the time of registration;
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.

RECOGNITION OF ACHIVEMENT

The candidates have the opportunity to perform a procedure of acknowledgement of experience on the module C. They address their demand to the pedagogic responsible, after contact with her, before the beginning of the formation and according to the anticipated modalities.

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 three modules of formation
- b) 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 Practice of Endoscopy.

This formation is ratified by the HES-SO.

INQUIRIES

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DOCUMENTATION AND INSCRIPTION

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