



Certificate of Advanced Studies HES-SO

CAS in Neurorehabilitation

November 2009 - November 2009

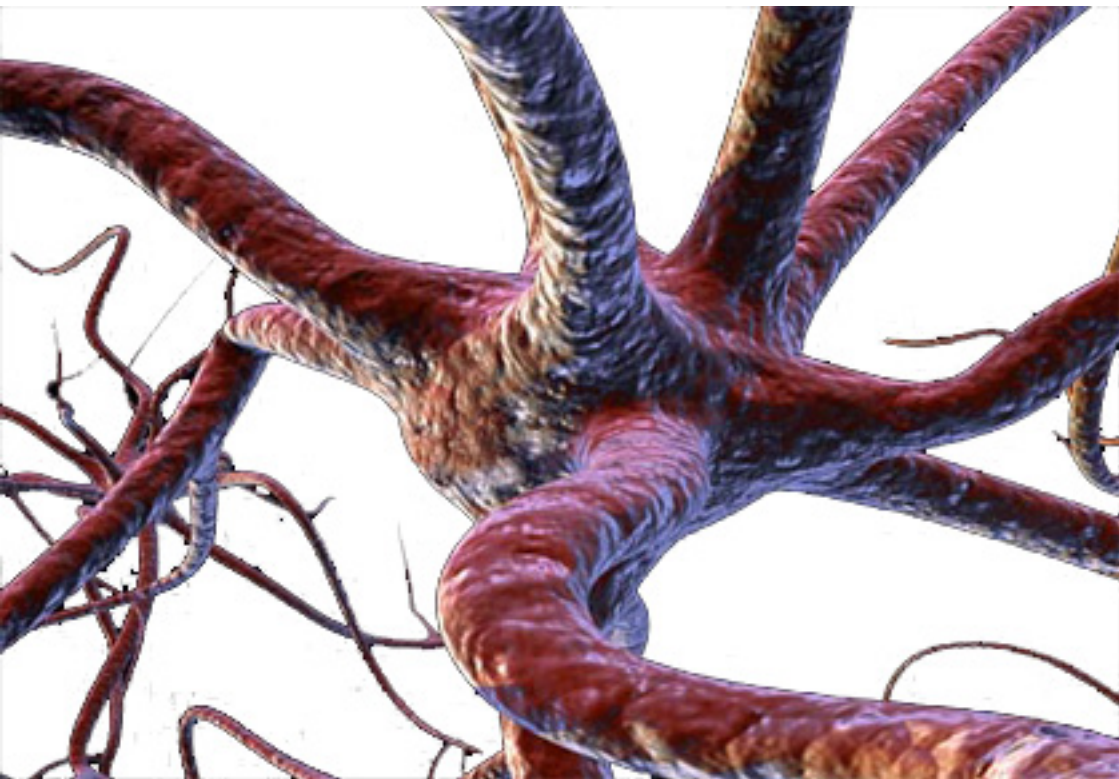


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INTRODUCTION

The Certificate of Advanced Studies (CAS) in Neurorehabilitation is a postgraduate course which aims to develop further the participants professional practice building on their previous professional experience and basic education. The purpose of the CAS is to develop the participants competences in the analysis of practice and development of specific projects and interventions in the context of neurorehabilitation.

This course is designed to meet the needs of post graduate health professionals in the field of neurorehabilitation. It has been ratified by the University Of Applied Sciences Of Western Switzerland HES-SO.

OBJECTIVE

The aim of this course is to develop the participant's individual and collective competences in conceiving and participating in the implementation and management of neurorehabilitation care projects. Neurorehabilitation is understood under its three dimensions: rehabilitation, reeducation and integration of people with central system nervous disorders.

The aim is also to integrate evidence-based practice (EBP) into the practioners' practice.

TARGET AUDIENCE

The course is aimed at nurses, occupational therapists, physiotherapists, neuropsychologists, and therapists in psychomotricity. It is also open to persons with a diploma in sport and physical education specialised in Adapted Physical Activities (APA).

The course is open to approximately 20 practitioners/participants.

TARGETES COMPETENCIES

The formation is built around three competences:

Competency 1

Increase and update knowledge and aptitudes of using EBP in neurorehabilitation

- By discovering and being acquainted with concepts, stages of EBP
- By searching for necessary information in various database (library, internet, various network, and so on,...) efficiently
- By appreciating the quality of articles and/or scientific studies (e.g. relevance, reliability, applicability, and so on ...)
- By scientifically funded evaluations of interventions and validated tests

Competency 2

Develop a diversified and rigorous practice of neurorehabilitation based on proven scientific results

- By identifying and selecting EBP's databases usable
- By taking into account results of research in movement and cognitive Science
- By implementing the necessary and positive changes in care to assure quality interventions in neurorehabilitation
- By developing reflective strategies in clinical practice

Competency 3

Conceive and participate in the implementation of pluridisciplinary care projects in neurorehabilitation

- By encouraging partnership with the patient, his-her family and/or his-her relatives and by taking into account different therapeutic possibilities and socio-economic context
- By evaluating and implementing professionals' contributions and responsibilities to improve quality during therapeutic decisions within a pluriprofessional team

- By situating interventions in an ethical framework
- By using the resources of therapeutic education and associative support if necessary
- By mobilising various models of interventions according to their context and determinants

COURSE MODULES

Description

Each module is specifically conceived around the development of one of these three competences, taking the two modules into account :

Module A

Targets, approaches and technical competences around the Evidence-Based Practice (EBP)

Module leader: Mrs M. Bertrand Leiser

8 days / 5 ECTS credits

The general objectives of the module A are the following: gathering information in scientific databases, appreciating their using the scientific interventions based on tests validated.

Subjects covered are:

- Introduction to EBP
- Approaches of quantitative and qualitative methodology
- Documentary research on databases and internet website
- Study design and evidence levels
- Critical reading of scientific articles
- Basics in statistics
- Validated outcome measures in neurorehabilitation and their psychometric quality

The validation of this module is is a written analysis of a scientific article by using qualitative or quantitative approach.

Module B

Integration of EBP in the practice

7 days / 4 ECTS credits

The general objectives of this module are the identification and the selection of EBPs' information used in concrete situations and in conditions of implementation of this practice in institutions.

The subjects covered in the module B are:

- Scientific advances in neurology
- Utilization of pharmacology in the field of rehabilitation
- Integration models of the EBPs
- Reflection on the use of the EBPs in practice
- Use of practice guidelines
- Clinical reasoning

The validation of this module is a written analysis of a clinical situation based on EBP.

Module C

Actors and contexts in neurorehabilitation

Module leader: Mrs J. Campbell

6 days / 3 EXTS credits

The general learning objectives of this module are aimed at conceiving a specific therapeutic project, in partnership with the patient and/or its relatives.

subjects covered in this module are:

- Various models of health problem analysis (ICF, PPH, health determinants) and their impact on the offer in neurorehabilitation
- Pluridisciplinarity and interdisciplinarity: practical and organizational issues
- Therapeutic education and its contribution in the management of chronic situations
- Integration of disabled people – approach and difficulties in the socio-cultural and actual health insurance context
- The Ethic: an assistance for the analysis and management of complex situations

Validation of this module: a written document emphasising the changes in the practitioners' professional practice related to concepts introduced in the CAS

Certification

Module leader: Mme B. Rau

4 days / 3 ECTS credits

The course is completed by the realisation of an assignment examining the clinical practice of the participant; it should demonstrate the integration of various resources presented during the course. Participants are supervised throughout their study in workshops, seminars and directed study.

ADMISSION, INSCRIPTION AND CERTIFICATION CRITERIA

Admission conditions

To follow the CAS in Neurorehabilitation, the candidates have to satisfy the following conditions:

1. Having a professional HES_SO diploma or equivalent.
2. Exercising in the field of rehabilitation of people with central nervous system lesions/disorders/diseases.

Certification conditions

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

- a) Obtain credits corresponding to the three modules
- b) Obtain credits corresponding to the certification assignment
- c) Be present during at least 90 % of the course

Title obtained

Upon the course completion and the module validation, the participant will obtain a Certificate of Advanced Studies (CAS) HES SO in Neurorehabilitation.

This course is ratified by the HES-SO.