UNICAMILLUS

BSc in Physiotherapy

INTEGRADED COURSE TITLE: Professional Workshop
NUMBER OF ECTS CREDITS: 1
SSD: MEDS-26/C, MEDS-24/C
PROFESSORS:
Benedetta Campagnola "Palpatory Anatomy"
Ilaria Erba "Vital Signs"

PREREQUISITES

To fully understand the course concepts the knowledge of the basic sciences is necessary so muscle-skeletal physiology and anatomy. These are fundamental to learn properly how to use the palpation to recognize tissue differences.

LEARNING OBJECTIVES

Prof. Campagnola

General Objective: Enhance the knowledge about anatomy, muscular function and physiology and palpation to properly use these tools to perform correctly a physiotherapy assessment.

Specific objectives: Promote the different palpation technique to properly recognize the different tissues. Promote usage of correct palpation in order to perform a specific physical therapy evaluation and treatment.

Prof. Erba

General Objective: The student should know the vital parameters (Blood Pressure: BP, Heart Rate: HR, Respiratory Rate: RF, Body Temperature: TC, Pain, Saturation: SpO2), their characteristics, the way they are measured and should know how to evaluate and manage them in clinical practice.

LEARNING OUTCOMES

Prof. Campagnola

At the end of the course the student is required to know:

- Know and use the different techniques of bone palpation
- Know and use the different techniques of muscle palpation
- Know and use anatomical findings for evaluation and treatment

Prof. Erba

At the end of this teaching the student will need to:

- Know the vital parameters (BP; HR; FR; CT; Pain; SpO2)
- Know how to monitor vital parameters (PA; HR; FR; CT; Pain; SpO2)
- Know how to detect vital parameters (BP; HR; FR; CT; Pain; SpO2) and understand their characteristics
- Know how to identify abnormal vital parameters

COURSE SYLLABUS

Prof. Campagnola

- *Theoretical foundations related to palpation*
- *Contextualization of palpation in assessment and treatment maneuvers*
- *Reliability of intra- and inter-examiner palpation*
- *Bone and muscle palpation lower limb*
- *Bony and muscular palpation upper limb*
- *Bone and muscle palpation lumbar, thoracic, and cervical spine*

Prof. Erba

Vital parameters: definition and characteristics of BP; HR; FR; CT; Pain; SpO2.

Methods of detection of vital parameters.

Monitoring, evaluation and identification of vital parameter abnormalities.

Modalities of recording vital parameters.

COURSE STRUCTURE

The teaching is organized in lectures and practical theoretical exercises (25 hours). Attendance: at least 75% of the course .

COURSE GRADE DETERMINATION

The verification of the preparation of the students will take place through an oral test and a practical test.

READING MATERIALS

Netter - Atlante di anatomia umana Libro di Frank H. Netter

Muscles testing and function with posture and pain. F.P. Kendal et al.

Slides and background material