BOBATH

October 18, 2020

EM147: Workshop: Manipulation and dexterity: rehabilitating the task according to the Bobath Concept

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Introduction and objectives of the course:

The Bobath concept is a problem solving approach aimed at evaluating and treating people with movement disorders, postural control and function, caused by a lesion of the central nervous system. This approach to adult rehabilitation with central neurological damage stems from the work of Berta and Karel Bobath and has evolved over the last 70 years. The rationale for its application is rooted in current neuroscientific knowledge related to motor control, motor learning, neural and muscular plasticity and current biomechanical knowledge. The aim of the course is to deepen the knowledge on the mechanisms of recovery of the hand after central lesion and to deepen the facilitation techniques for digitization, manipulation and dexterity aimed at the practice of the task emphasizing the importance of a correct balance between qualitative and quantitative practice, guided and autonomous practice. The training objective is to offer the participant the opportunity to acquire new practical strategies and clinical reasoning to address the functional problems of the upper limb of neurological patients in a more detailed and targeted way in a functional perspective.

Specific objectives:

- Promote the evidence based approach based on updated literature

- Acquire a specific terminology to describe the rehabilitative approach to the adult neurological patient with functional problems of reaching and grasping according to the Bobath Concept

- Updating knowledge in the biomechanical and neurophysiological field especially in relation to digitization and manipulation

- Refine the ability to observe and analyze functional gestures of the upper limb and the hand - Implement specific treatment techniques and improve manual skills

- Support the discussion and discussion between participants and teachers and train clinical reasoning

EDU MED
MEDICAL EDUCATION

BOBATH

40 Seats

€450.00

24 Hours

30.1 ECM

INTENDED FOR	PAYMENTS	CALENDAR	LANGUAGE
Doctors, Physiotherapists, Occupational Therapists	Deposit €250.00 + VAT 22% (€305.00) within 7 days from the registration Balance €200.00 + VAT 22% (€244.00) by date October 12, 2020 **Total: €450.00** + VAT 22% **(€549.00)**	18-19-20 October 2020	Italian

SCHEDULE

First day

8.30-9.00 am Registration of participants and presentation of course objectives

9: 00-11.00 Lesson - Neurophysiology of the corticospinal tract for hand movement and compensatory systems in the event of injury

11.00-11.15 Coffee break

11.15-13.00 Laboratory: The relationship between postural control and motor control for the expression of the functional potential of the upper limb and of the hand

13.00-14.00 Lunch

14.00-15.30 Evaluation of a patient by teachers in collective session. Summary of clinical reasoning and discussion

15.30-15.45 Coffee break

15.45-17.45 Laboratory: Train the elbow extension as a key element of the reaching and preserve the freedom of the prone-supination movement of the forearm and wrist for the orientation of the hand to the object - facilitation techniques

17.45-18: 00 Last questions and summary of learning

Second day

8.30-10.30 Lecture - Biomechanics of reach-to-grasp and selective finger movement for the main grips and hand shaping

10.30-11.00 Lesson: Biomechanical limitations of the paretic hand with a strong dysfunctional impact

11.00-11.15 Coffee break

11.15-13.00 Laboratory: Training the intrinsic musculature of the hand as a sensory and postural base for digitization

13.00-14.00 Lunch

14.00-15.30 Evaluation of a patient by teachers in collective session. Summary of clinical reasoning and discussion

15.30-15.45 Coffee break

15.45-17.45 Laboratory: Train the use of different sockets correlating them to specific objects of everyday life (first part: power take-offs)

17.45-18: 00 Last questions and summary of learning

Third day

8.30-10.00 Lesson - Physiological manipulation and comparison with the disease: observation of clinical cases

10.00-11.15 Laboratory: Training the use of different sockets correlating them to specific objects of daily life (second part: precision sockets)

11.15-11.30 Coffee break

11.15-13.00 Laboratory - The choice of the task and the object and the construction of the environment for the practice in autonomy: examples for the clinic

13.00-14.00 Lunch

14.00-15.30 Evaluation of a patient by teachers in collective session. Summary of clinical reasoning and discussion

15.30-15.45 Coffee break

15.45-17.00 Presentation of a case study

17.00-17.30 Last questions, ECM test and course conclusion