

October 5, 2022

## EM233: IBITA advanced course: "Knowing the components of the functional gesture to re-educate advanced ADLs in the recovery process after central injury - Bobath Concept"



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The Bobath concept is a problem-solving approach aimed at assessing and treating people with movement, postural control and function disorders caused by a central nervous system injury. This approach to the rehabilitation of adults with central neurological damage originates from the work of Berta and Karel Bobath and has evolved over the last 60 years. The rationale for its application is rooted in current neuroscientific knowledge relating to motor control, motor learning, neural and muscular plasticity and current biomechanical knowledge. In the Bobath Concept, the objective of the treatment is to optimize the functional competence of the patient and the knowledge of the typical motor patterns with which the function is realized is fundamental for the therapist who is called to evaluate the patient's motor skills, to recognize atypical patterns, to define the impairment, to produce working hypotheses. The course aims to deepen the knowledge of some advanced ADLs, important for patient independence, present and measured as significant indicators in many outcome scales but often not included in basic courses or in general in neurological training courses.

### Specific objectives:

- Promote the evidence based approach based on updated literature

- To deepen the knowledge of the typical functional movement and to refine the clinical observation skills
- Know the biomechanical prerequisites and neurophysiological skills underlying the functional gesture in particular of advanced ADLs such as walking outdoors, reaching standing, overcoming obstacles / climbing stairs, reaching the ground and climbing from the ground, getting dressed / undress
- Know the scales of outcome which include these functional parameters
- Recognize the atypical movement and compensatory strategies used in the different neurological conditions faced
- Acquire facilitation techniques (manual, verbal and environmental) to support functional recovery after central injury
- Refine manual skills and implement technical competence at an advanced level
- Support the comparison and discussion between participants and teachers and train clinical reasoning


**24 Seats**

**€920.00**

**40 Hours**

**50 RICHIESTI  
ECM**
**INTENDED FOR**

Doctors,  
Physiotherapists,  
Occupational Therapists

**PAYMENTS**

Deposit €490.00 within 7  
days from the  
registration

Balance €430.00 by date  
September 30, 2022

**Total: €920.00**
**CALENDAR**

05-09 October 2022

**LANGUAGE**

Italian, English with  
Italian consecutive  
translation

**Course Location: BRESCIA @ Edumed . Formazione ECM**

## SCHEDULE

**First day**

8.30-9.00 Registration of participants and course objectives

9.00-10.00 Introduction: The analysis of functional movement in the Clinical Practice Model of the Bobath Concept

10.00-11.00 A theoretical framework for clinical practice: "The prerequisites for walking in the external environment"

11.00-11.15 Coffee break

11.15-12.45 Evaluation and treatment of patient A by the teachers in collective session

12.45-13.00 Summary of clinical reasoning and discussion

13.00-14.00 Lunch

14.00-15.30 Treatment of patients by course participants with supervision by the teachers

15.30-15.45 Coffee break

15.45-17.30 Practical workshop - Change the parameters of the step: changes of direction, change of speed, rear step

17.30-17.45 Summary of the day, last questions and discussion.

### **Second day**

9.00-10.00 A theoretical framework for clinical practice: "Taking a step, climbing stairs: biomechanical and motor control requirements"

10.00-11.00 Practical workshop: Preparing the skills to overcome an obstacle

11.00-11.15 Coffee break

11.15-12.30 Evaluation and treatment of patient A by the teachers in collective session

12.30-13.00 Synthesis of clinical reasoning and discussion

13.00-14.00 Lunch

14.00-15.30 Treatment of patients by course participants with supervision by the teachers

15.30-15.45 Coffee break

15.45-17.30 Practical workshop: Facilitating the ascent / descent of one or more steps

17.30-17.45 Summary of the day, last questions and discussion.

### **Third day**

9.00-10.00 A theoretical framework for clinical practice: "The antigravity skills to reach the ground and go up"

10.00-11.00 Practical workshop - Collecting an object from the ground: preparation of the biomechanical components

11.00-11.15 Coffee break

11.15-12.30 Evaluation and treatment of patient B by the teachers in collective session

12.30-13.00 Synthesis of clinical reasoning and discussion

13.00-14.00 Lunch

14.00-15.30 Treatment of patients by course participants with supervision by the teachers

15.30-15.45 Coffee break

15.45-17.30 Practical workshop - Going down and going back to an upright position: components of the transition and specific facilitation techniques

17.30-17.45 Summary of the day, last questions and discussion.

#### **Fourth day**

9.00-10.00 A theoretical framework for clinical practice: "The complex functional sequence for undressing"

10.00-11.00 Practical workshop - Undressing the upper body: critical aspects and facilities

11.00-11.15 Coffee break

11.15-12.30 Evaluation and treatment of patient B by the teachers in collective session

12.30-13.00 Synthesis of clinical reasoning and discussion

13.00-14.00 Lunch

14.00-15.30 Treatment of patients by course participants with supervision by the teachers

15.30-15.45 Coffee break

15.45-17.30 Practical workshop - Undressing the lower part of the body: critical aspects and facilitations

17.30-17.45 Summary of the day, last questions and discussion.

#### **Fifth day**

9.00-10.00 A theoretical framework for clinical practice: "Postural bases for reaching standing"

10.00-11.00 Practical workshop - Open and go through a door

11.00-11.15 Coffee break

11.15-12.30 Evaluation and treatment of patient B by the teachers in collective session

12.30-13.00 Synthesis of clinical reasoning and discussion

13.00-14.00 Lunch

14.00-15.30 Treatment of patients by course participants with supervision by the teachers

15.30-15.45 Coffee break

15.45-17.00 Practical workshop - Grasping objects in the anterior-superior space

17.00-17.30 ECM test and conclusion of the course