

Mastering Cerebral palsy

Management of Children with Cerebral Palsy Program

Introduction:

The current course is one of the series of continuous education courses specialized in management of developmental disorders. It is dedicated mainly for physical therapists and occupational therapists; however, other related specialties can find valuable knowledge enrich their practice.

Primary knowledge and skills

This course is the basic level that going to concrete your knowledge platform and refine your manual skills in the management of patients with cerebral palsy.

This course is dedicated for:

- A) Fresh graduates searching about building up comprehensive therapy
- B) Qualified therapists willing to improve their manual skills and finally
- C) Senior therapists looking to update their problem solving.

Premises:

The current **course** has been designed for basic disciplines managing patients with cerebral palsy over ages from different perspectives to ensure you will have standard knowledge and skills necessary to safely confirm diagnosis, examine level of activities, participations and impairments for each patient and mastering basic manual skills required to achieve professional realistic plan of care.

The main reasons to engage in these courses:

- Encourage therapists to upgrade their scientific platform.
- Teach therapist how to create instead of imitate.
- Conduct your therapy in a qualified performance
- Provide a variety of problem solving for most common troubles facing therapist during practice.
- Course let by professional team members in field of pediatric rehabilitation.
- Courses are online and in house training

Program instructors:

For the online part:

- **Dr. Ehab Waly** (from Egypt)
PhD, Physical Therapy in Developmental Disorders
- **Dianne Zeller** (From South Africa)
Physiotherapy NDT Tutor
- **Dr. Basma Aljabri** (From Saudi Arabia)
MD, Pediatric

For the practical Part (in Egypt):

- **Dr. Mai_Abdelmohsen**
Lecturer - BSU / Bobath therapist / DUNAG 02 Suit Therapist / KCMT /
Technical Director of F2M and 3D Gait Lab (MAC).
- **Dr. Ebtihal_Taha**
PHD Pediatric PT / Consultant in Abo ElResh H-Cairo University / Technical
Director OT at F2M Center.
- **Dr. Mahmoud_Midan**
Consultant cairo specialized hospital / Bobath therapist / Donage suit therapist /
Technical manager of pediatric unite at fizik center.

Program outlines & Teaching methodology:

Block 1: Online (5 hours = 14 pre-recorded lectures)

Cerebral palsy: Steps for Perfection (Professional Recognition of Cerebral Palsy)

Diagnosis of any health condition belongs to specialized physicians. in CP, pediatric neurologist or/and neurologist are the best to diagnose however, therapists should be ready to fully understand and identify all signs and symptoms of CP and its types. Limitation of this skill is significantly affect therapist's performance of examination, intervention and expectation of prognosis. Therapists must be oriented that missing of any major features of CP requires immediate contact with the physician to quickly fix any debate.

This Block covering these topics:

• How to identify CP?	Dr. Ehab Waly
• Abnormal movements among CP	Dr. Ehab Waly
• Can you conduct Movement Assessment of Infant (MAI)?	Dr. Ehab Waly
• What are red flags of neurological signs?	Dr. Ehab Waly

• What do you expect during examination of postural reactions?	Dr. Ehab Waly
• What are primary findings of Brain MRI?	Dr. Basma Aljabri
• Medical background for CP	Dr. Basma Aljabri
• Classification of CP	Dianne Ziller
• Prognosis of children with CP	Dianne Ziller
• Assignment	Dr. Ehab Waly

Block 2: Examination (37 Hours = 5 practical days)

Patient with CP requires intensive comprehensive examination. Therapists should be oriented to proper procedures and measuring tools being used during assessment. The major goal of this section is to guide therapists for proper selection of different assessment tools and, to improve reliability and accuracy of measurement. Documenting the result is another goal to be covered in this section.

This Block covering these topics:

Day 1:

• General overview of assessment of children with CP	Dr. Mai
• Examination of Participation	Dr. Mai
• Examination of Gross motor activities	Dr. Mai
• Demonstration on a real case	Dr. Mai
• Discussion on the Demo case	Dr. Mai
• Practical application on real cases	Small Groups of 4

Day 2:

• Discussing cases	Open discussion
• Examination of Posture I	Dr. Mai
• Examination of Posture II	Dr. Mai
• Examination of Posture (Discussing videos)	Small Groups of 4
• Neuro-musculoskeletal assessment	Dr. Mai
• Application on volunteers	Dr. Mai

Day 3:

• Demonstration on a real case	Dr. Mai
• Discussion on the Demo case	Dr. Mai
• Practical Application on each other	Small Groups of 2
• Practical application on real cases	Small Groups of 4

• Discussing cases	Open discussion
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Day 4:

• Functions of upper Limb development	Dr. Ebtehal
• Examination of Fine motor activities (Musculoskeletal, neuromuscular)	Dr. Ebtehal
• Upper Limb classification system and scales	Dr. Ebtehal
• Atypical Development of Upper Limb	Dr. Ebtehal
• Case discussion on real cases	Small 2 Groups

Day 5:

• Therapeutic Handling principles for UL Activation	Dr. Ebtehal
• Activation of Upper Limb fine motor activities	Dr. Ebtehal
• Case discussion on real cases	Small 2 Groups
• Seating System	Dr. Ebtehal
• Case discussion on real cases	Small 2 Groups

Block 3: Intervention (32 Hours = 4 Practical Days)

Most of therapists are looking for new manual skills to increase varieties of exercises. In this section, we are looking to improve quality of your manual skills based on developmental, biomechanical and neural therapeutic interventions.

This Block covering these topics:**Day 1:**

• Motor learning .. Online	Dr. Ehab Waly
• Principles of therapeutic interventions	Dr. Mahmoud
• Postural correction (foot- Ankle- Knee)	Dr. Mahmoud
• Practical application on real cases	Small Groups of 4
Postural Correction II (hip pelvis)	Dr. Mahmoud

Day 2:

• Postural correction III (Spine)	Dr. Mahmoud
• Activation of maintained posture I	Dr. Mahmoud
• Activation of maintained posture II	Dr. Mahmoud
• Practical application on real cases	Small Groups of 4
• Activation of maintained position III	Dr. Mahmoud

Day 3:

• Activation of Transition I	Dr. Mahmoud
• Activation of Transition II	Dr. Mahmoud
• Practical application on real cases	Small Groups of 4
• Activation of Transition III	Dr. Mahmoud

Day 4:

• Case discussion I	Dr. Mahmoud
• Practical application on real cases	Small Groups of 4
• Case discussion II	Dr. Mahmoud
• Gait Training	Dr. Mai
• Gait Training (Applied on each other)	Small Groups of 2
• Practical application on real cases	Small Groups of 4
• Discussing gait cases	(Open discussion)
• Orthotics for Walking (Electronic).. (2 hours Online)	Dr. Ehab Waly

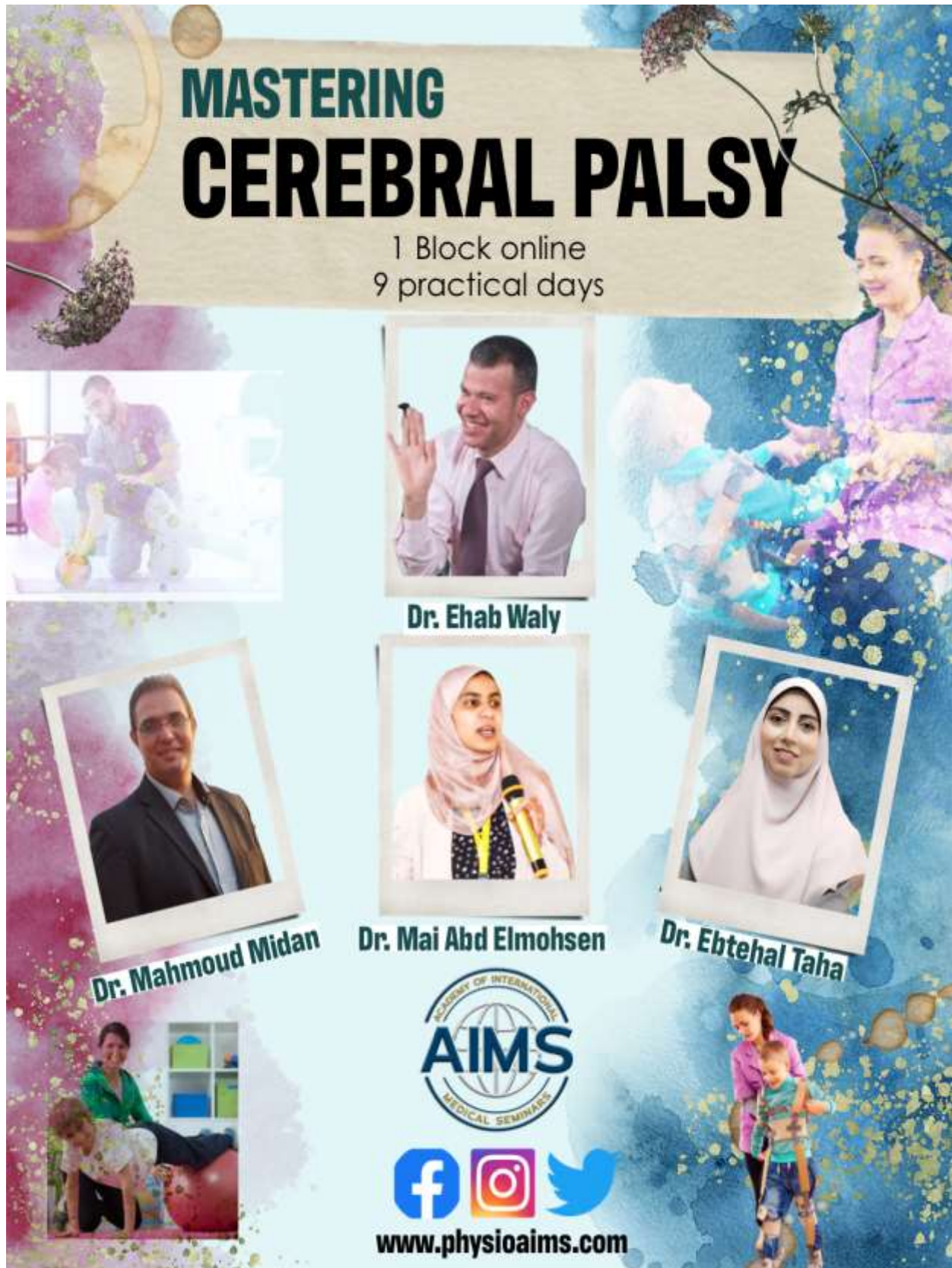
Requirements from course participants:

- Please finish the online module before the 2 practical modules.
- Please wear Suitable cotton clothes for the practical application.
- Please split to equal small groups in each practical session.

FOR REGISTRATION PLEASE:
 WHATS APP: +201067906745
 01050771120
 Email: info@physioaims.com

MASTERING CEREBRAL PALSY

1 Block online
9 practical days






Dr. Ehab Waly

Dr. Mahmoud Midan

Dr. Mai Abd Elmohsen

Dr. Ebtehal Taha

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