

3. Symposium Pädiatrie - Komplexe Verbindungen

06.10.2023 bis 07.10.2023, Graz, Fachliches Netzwerk Pädiatrie- Physio Austria

Type: Instructional course

Title:

„Developmental Roadmaps“ für Säuglinge und Kleinkinder mit Hypotonie: Von benigner Hypotonie bis SMA.

Names of the instructors: Dagmar Siebold & Ma'ayan Riwkes Spectorman

Objective:

Infantile hypotonia (IH) manifests itself through decreased spontaneous and antigravity movements, typical joint's position, and motor development delay. There are numerous different aetiologies for IH, but the physiotherapeutic treatment follows the clinical phenotype rather than the aetiology itself. Although physiotherapy remains central in the management of IH, no clear clinical guidelines have been established, to confront the therapeutic challenges (optimization of an age-appropriate participation, primary prevention of spinal deformities etc.).

The course presents a clear, feasible gross motor functional diagnostic tool, specially designed to meet the unique needs of IH. This tool may be used for the assessment and re-assessment as well as for the construction of an individual early intervention program, as part of their physiotherapy treatment.

Learning objectives of the course:

- Typical motor trajectories in infants with hypotonia.
- Practical goal-setting and management of developmental program.
- Environmental facilitators which enhance participation.
- Environmental barriers that may hinder participation and accelerate spinal deformities.

Target audience: Pediatric Physiotherapists.

Outline of the course:

- Videos presentation of typical motor trajectories in IH.
- Usage of activity and participation-specific diagnostic with international ICF-CY-items.
- Identifying involvement levels during participation and their determinants.
- Environmental facilitators for enhancing of self-initiated movement

Summary:

Early detection and medical treatments are crucial steps towards better motor outcomes in infants with hypotonia, but these must be accompanied by a proactive physiotherapeutic approach and clear practical guidelines, which can be easily implemented worldwide.

Relevance for users and families:

- Provides participants with a practical decision-making paradigm, that can be easily implemented for functional developmental goal-setting and treatment of hypotonic babies .
- Presents videos of new ideas for enhancing active movement at therapy settings as well as in everyday situations .
- Articulates the importance of phenotype-specific, yet age-specific, physiotherapy.
- Identifies significant differences between active and passive participation and their role in minimizing secondary orthopedic complications.