

Understanding the Role of Physiotherapists in Pediatrics and Gynecology

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- "Physiotherapists can help prevent preterm birth."
- "Babies don't need physiotherapy before they start walking.,
- "Pelvic floor therapy can help with postpartum recovery."



Cerebral Plasy

Physiotherapists working with children with cerebral palsy (CP) focus on improving movement, posture, and functional independence. Their main goals include:

- •Enhancing mobility: Using exercises, stretching, and strength training to improve muscle control and movement.
- •Preventing contractures & deformities: Implementing positioning techniques, orthotics, and passive stretching to reduce muscle tightness.
- •Improving balance & coordination: Training children in sitting, standing, and walking, often using assistive devices.
- •Promoting functional skills: Encouraging everyday activities like grasping, sitting, and transitioning between positions.
- •Supporting early intervention: Working with infants to optimize development and prevent complications.
- •Collaboration: Working with doctors, occupational therapists, and families to create individualized treatment plans.

https://www.youtube.com/watch?v=qnWcOKfJeaQ

Peto Institute in Hungary

- Conductors at the Peto Institute specialize in Conductive
 Education, a holistic approach to helping children with motor
 disabilities, especially cerebral palsy.
- They focus on **teaching functional movement** through repetitive, task-based activities integrated into daily routines.
- Conductors use rhythmic intention, group activities, and specialized furniture to enhance coordination and independence.
- Their work combines **physical**, **cognitive**, **and social development**, encouraging active participation and problem-solving.
- They collaborate closely with families and other professionals to support long-term progress in mobility and self-care.
- https://www.youtube.com/watch?v=eSb3vBVGk2g



Menopause

The period of life following the last menstrual period, preceded by ovulation and not followed by another within I year.

Stages: pre-, peri-, menopause, postmenopause

Perimenopause:

- Wedged between the fertile age and the senium
- Meant for period 1 year before and after the last regular menstruation
- (In Hungary) between 48-51 years of age
- Women live almost half of their life expectancy without ovarian function

Congenital muscular torticollis

https://www.youtube.com/watch?v=4yHt_JMLfbk



Cystic fibrosis

Physiotherapy for cystic fibrosis (CF) focuses on airway clearance, improving lung function, and preventing complications. The main techniques include:

- •Chest physiotherapy (CPT): Manual percussion and postural drainage help loosen mucus.
- •Active Cycle of Breathing Techniques (ACBT): Combining breathing control, deep breathing, and huffing to clear airways.
- •Autogenic drainage: A controlled breathing technique to move mucus from smaller to larger airways.
- •Positive Expiratory Pressure (PEP) therapy: Using a mask or device to keep airways open and improve clearance.
- •Exercise therapy: Aerobic and strength training improve lung function and overall fitness.
- https://www.youtube.com/watch?v=OAm4pm7ufQc



Pregnancy-related back pain

- Hormonal, postural, and mechanical changes in the body mainly cause lower back pain during pregnancy.
- The hormone relaxin loosens ligaments and joints, reducing stability in the pelvis and spine.
- As the baby grows, the center of gravity shifts, leading to poor posture and increased strain on the lower back. Weak or overstretched abdominal muscles provide less support, forcing the back muscles to compensate.
- Additionally, increased weight gain adds pressure to the spine and pelvic structures.
- These factors combined can lead to muscle fatigue, joint stress, and nerve compression, resulting in pain.



Rectus diastasis - Treatment, elimination

• Specific physiotherapy exercises can be used to centralise the rectus abdominis and, with proper strengthening, this condition can be reversed

and long-term symptom relief maintained.









https://www.youtube.com/watch?v=-11ViRMMdJg

Discussion:

 Why is teamwork between doctors and physiotherapists crucial in these fields?





Thank you for your attention!