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Scoliosis in neuromuscular disorders**Busra Yildirim**

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Scoliosis is a three-dimensional deformity, with extension of the intervertebral segment in the sagittal plane inducing lordosis, laterals intervertebral tilting in the frontal plane, and rotation in the axial planes of the spine. Any lateral deviation of the spine of $>10^\circ$ on an anterior-posterior radiograph of the whole spine associated with vertebral rotation is considered to indicate scoliosis. (1) Scoliosis is not a disease in its own right, but is always consequence or complication of some other disorders such as neuromuscular disorders. (2) Postural management is a crucial question in the treatment regime of people with neuromuscular disorders who are at the risk of spinal deformities or/and pelvic malalignment. There is a growing interdisciplinary awareness of the importance of postural management defined as "the use of any technique to minimize postural abnormality and improve function" (3) Adaptive seating systems and orthosis can be used for that and also physiotherapy program is essential for the patients with neuromuscular scoliosis.

References

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3. Vekerdy, Z. (2007). Management of seating posture of children with cerebral palsy by using thoracic-lumbar-sacral orthosis with non-rigid SIDO® frame. *Disability and rehabilitation*, 29(18), 1434-1441.

Biography

Busra Yildirim has completed her bachelor degree at the age of 22 years from Yeditepe University. She is still the student of the Master Program of Physiotherapy and Rehabilitation. She is also working as a physiotherapist at the Formed Healthcare Scoliosis Center and one of the constituent of the Scoliosis Research and Treatment Society in Turkey.

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