E-Poster

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Neuro-Orthopedic Profile of Children With Cerebral Palsy

Topic: Health Conditions (Nervous System, Musculoskeletal System, Cardiopulmonary System)

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BACKGROUND

Cerebral Palsy (CP) leads to movement disorders and muscle tone abnormalities, often associated with neuro-orthopedic complications such as deformities or muscle contractures. Studying the neuro-orthopedic profile of affected children helps tailor management strategies to improve their mobility and autonomy.

METHODS

A prospective descriptive study on the neuro-orthopedic profile of children with CP.

Inclusion criteria: Any child with CP seen in consultation.

Exclusion criteria: Age above 15 years.

Study location: CHR Hassan 2, CIRAR, Mohamed VI Center for Disabled Children.

Data collection is conducted using an exploitation sheet, including key parameters such as age, sex, associated epilepsy, type of CP, spasticity, axial or peripheral deformity or contracture, etc.

RESULTS

In our studied population, 59% were boys, 55% had spastic CP, 25% of the children could walk, 44% had epilepsy associated with CP, 36% had muscle-tendon contractures, and 12% had scoliosis.

CONCLUSION

This study highlights the neuro-orthopedic impairments in children with CP, particularly the spastic form, muscle-tendon contractures, gait disorders, and scoliosis. The findings emphasize the need for early multidisciplinary care, including rehabilitation, orthotic support, and orthopedic follow-up, to improve mobility and quality of life.

Statement of Disclosures

None

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