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Multidisciplinary consulting in neuro-orthopedic pathology: An experience in central hospital of Constantine

S. Lemai^{a,*}, Y. Sifi^b, A. Benhabiles^c, S. Semra^d

^a Service de MPR, CHU de Constantine, Constantine, Algeria

^b Service de Neurologie, CHU de Constantine, Constantine, Algeria

^c Service d'Orthopédie, CHU de Constantine, Constantine, Algeria

^d Service de Réanimation, CHU de Constantine, Constantine, Algeria

*Corresponding author.

Keywords: Multidisciplinary care; Neuro-muscular pathologies; Balance sheet; Collaboration

Background.– Neuro-orthopedic pathologies are complex and their treatments require different medical and paramedical specialties.

Methods.– In front of the various problems faced by our patients, the creation of such consultation became a real necessity. Thus, the first multidisciplinary consultation of Constantine central hospital was born in 2007 with the effective participation of several specialists.

Discussion/Conclusion.– We report here this experience with the problems encountered, prospects and finally its balance sheet after the past 6 years, with its strengths and weaknesses.

The lack of technical capacity remains the main obstacle to taking proper care of patients. And finally, we would like to state our strong desire to collaborate with model specialized teams.

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Improvement of gait quantified parameters after surgery of spastic equinovarus foot.

Case series

F. Torres^{*}, L. Bensoussan, J.-M. Viton, A. Delarque

CHU Timone, Service de Médecine Physique et Réadaptation, Marseille cedex 05, France

*Corresponding author.



Keywords: Spasticity; Equinovarus; Foot; Surgery

Background.– Foot surgery of spastic equinovarus (FSSE) improves walking ability in patients with brain damage. Few studies in the literature have examined the long-term evolution and quantified assessment of gait. Assessing clinical and quantified parameters of gait before and one year after surgery.

Method.– Case series: 3 males, between 23 and 58, with left spastic hemiparesis secondary to: a brain injury, stroke, subarachnoid haemorrhage, who had pre- and postoperative clinical, gait and balance assessment. Surgeries: two tendons transfers (Bardot surgeries) with Achilles tendon lengthening (ATL)—one double ankle arthrodesis with ATA and rectus femoris tenotomy.

Results.– Improvements: Ashworth triceps surae (3/5/2/5); walking distance (216/2000 m); ankle flexion (–10°/11.6°); increasing speed (0.16/0.30 m/s), lengths symmetrisation (left 18.3/24.3/right 32/33.6 cm).

Conclusion.– FSSE improves walking. Consultation with the surgeon and rehabilitation physician gives the right surgery indications.

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