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UNFO THERAPY (UNIVERSAL NEONATAL FOOT ORTHOTICS), INNOVATIVE THERAPEUTIC CONCEPT AND STRATEGY FOR TREATMENT OF METATARSUS ADDUCTUS (MA) IN NEWBORNS

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Biography

Izak Daizade has graduated from Medical School of Iran National University in Teheran 1978. He moved to Israel in 1979 and completed his Residency in General Orthopedic Surgery in 1989. During his Residency at Beilinson University Hospital in Petah Tiqva, Israel, he had Fellowships in Vascular Surgery, General Surgery, Microsurgery and Neurosurgery. He has developed and patented unique foot orthotics in 2007 and founded the UNFO Med Ltd in 2010 to continue developing innovative treatments for newborns afflicted with congenital foot deformities. His company produces UNFO devices which are currently used in many countries as the protocol of treatment in varus foot deformities. He is the Director of the R&D department in UNFO Company. He conducts seminars and workshops in many countries and his company promotes the new concept of UNFO therapy.

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Metatarsus adductus (MA) is the most common deformity among infants, which is not sufficiently studied, and treated despite the documented long-term discomfort and pains. The MA's prevalence is estimated between 0.1-12% (POSNA). Disadvantages and complications of serial casting technique, and possible chance of spontaneous repair in some cases, lead to advice for treatment only in severe cases of varus foot deformities (VDF), leaving the mild and moderate cases behind for possibly self-healing. There is a wide consensus that early treatment before the age of 10 months is essential for successful results. Here, we present our patented UNFO device, the strategy and protocol of UNFO therapy for MA, consisting of diagnosis, classification, technical details of UNFO application and follow-up. UNFO system is well tolerated and simply used by parents with constant daily support by the UNFO orthotists in our organization that makes this treatment as a comfortable and safe experience for them. UNFO system is used for all kinds of varus foot deformities with different severity and rigidity. UNFO is used 23 h/d for 2-8 weeks according to severity of the case, followed by maintenance night time usage for more 6-8 weeks accordingly. Full correction is observed during 2 weeks. Complete recovery is presented in all cases with minor side effects. The UNFO medical center is a community institution with a large number of babies referred to us from all over Israel. UNFO therapy is already replacing the unnecessary serial casting for VFD in Israel and other countries