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Postural variability of clinical parameters evalua idiopathic scoliosis

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(Profiled Authors: Roberta Carabalona; Stefano Negrini)

Europa Medicophysica. 2001;37(3):135-142.

Abstract

Background. In the last 10-15 years many devices have been developed for objectively qu the source and size of potential errors in patients examined in standing position (orthosta aim of this work is to assess the variability of the parameters usually collected in orthost a patients. Methods. In a consecutive group of patients affected by adolescential idiopathic clinical parameters using an optoelectronic device. The adoption of an optoelectronic mea AUSCAN) allowed the replication of the clinical process for obtaining data in orthostatic po source error due to the measurement device was quantified by assessing 4 dummies, wit patients were examined after a first acquisition: group A (N=86) after 24 sec, group B (N after performing some movements of the trunk). Results. The weight of the measuring sy due to posture have been identified: postural adjustments (between 2.59 and 20.14 mm, positioning (between 4.38 and 22.95 mm). Conclusions. The findings of this study sustain variability in repeated clinical measures on the human being. These variations are inheren involved in any other measure collected in orthostatic posture.