

Moiré Topography for the Study of Neurological Disorders

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Moiré fringe topography is a noninvasive, inexpensive and simple optical technique, which provides a three-dimensional map of the human body (Fig. 1). The technique of moiré topography

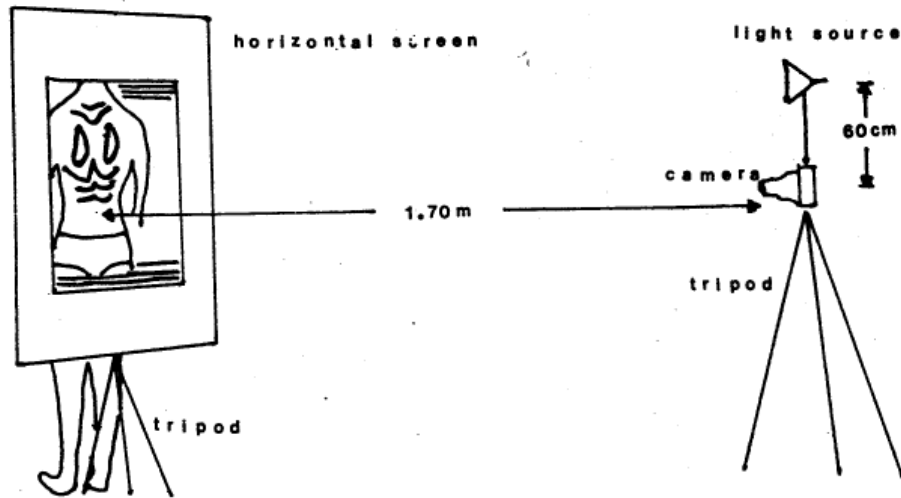


Fig. 1. Moiré set up

consists of photographing the part of body to be studied through a specially constructed screen (Fig. 2a-e). Dark fringes are produced because of the presence of screen. The study of these

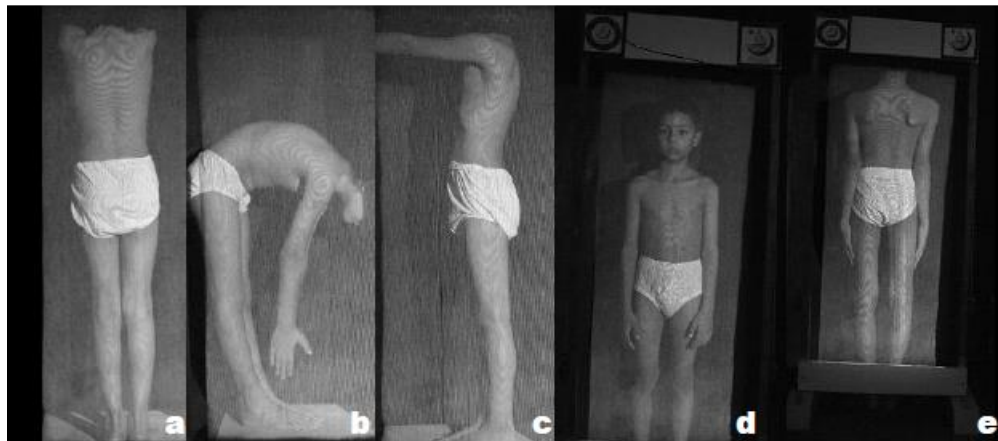


Fig. 2a-e. Moiré topographs in various postures to discover neurological disorders

fringes provides valuable information about neurological disorders, in particular, through gait analysis.

Keywords: 3-D-optical imaging • Gait analysis • Stereophotogrammetry

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