SOME RESULTS ON ELECTROTENSOMETRICAL INVESTIGATION OF THE FRACTURED LONG HUMAN BONES

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Abstract: *Several researchers [1, 2, 3, 4] were concerned with the long human bones' investigation issue. For micro movements' evaluation of the fractures of long human bones, by means of Holographic Interferometry, the authors conceived and realised stands described in [6, 8, 10]. In order to compare the efficiency of different kinds of fixations, the authors conceived an original electrotensometrical stand described in [9, 11], which evaluates the relative large displacements (0.5 … 4 mm) of the fractured long bone parts. The original "8" shaped wire loop fixation, used by Dr. Ş amot ă 's Team for instable fractures, proved its efficiency in clinical practice, too [5, 7].*

Key words: *electrical strain gauge, instable fracture, long bones, fixators, displacement field.*