COVARIANT ANALYSIS OF DIAGNOSTIC ITEMS ON VIBRATION SYNDROME

Jun OSAKI and Fusako ISHII

Department of Hygiene, Yamaguchi University
School of Medicine,
1144 Kogushi Ube, Yamaguchi, JAPAN

In the local vibration syndrome, an improvement in the precision of the diagnosis is desired. Also a simplification in testing is required to achieve mass screening.

The data reported previously on 119 subjects with vibration-induced white fingers(VWF) and on 135 subjects of non-VWF as been compared with reference to skin temperature(5 items), nail press test(4 items) and vibratory sense threshold(4 items), for a total of 13 items(Fig. 1). Two items were combined from among these 13 items in a time series for covariant analysis.

Fig. 1 THE DIAGNOSTIC ITEMS ON VIBRATION SYNDROME

Key words: Covariant Analysis; Local Vibration Syndrome;
Vibration Induced White Finger(VWF).