Abstract

**Purpose:** The purpose of the current study was to evaluate postural control in individuals with LBP. **Subjects:** Twenty eight adult subjects were included in this study. Fourteen normal subjects represented the control group and fourteen LBP patients represented the study group. **Methods:** Biodex stability system (BSS) was used to assess stability level in both control and study groups. Stability was measured in four conditions; bilateral and unilateral stance with eyes open and eyes closed over a period of 20s. Also patients’ degree of functional disability was evaluated via Oswestry disability index (ODI). **Results:** The results revealed significant decrease in postural stability in LBP patients compared to that of the normal subjects. There was positive correlation between the degree of functional disability and the postural instability in the study group. **Conclusion:** Low back pain patients exhibited postural instability during standing.

**Key Words:** Low back pain - Biodex stability system - Oswestry disability index - Postural stability.