

Correlation of Hand Grip Strength and Vitamin D Levels in Type 2 Diabetes Patients

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Background

Diabetes is an emerging epidemic of the current scenario. It is evident now that the role of vitamin D extends beyond calcium homeostasis and includes modulation of skeletal and cardiac muscle function and immune cell function. One of the major sites of involvement of Diabetes Mellitus is the musculoskeletal system.

Aims & Objectives

To elucidate the relationship between hand grip strength and vitamin D levels in patients of type 2 diabetes mellitus.

Material & Methods

A comparative cross-sectional study was done in

diabetic clinic of LNJP hospital on 65 diabetic subjects over 40 years of age who have had diabetes for more than 5 years. After taking consent, their clinical assessment was done including hand grip strength evaluation by JAMAR's hand grip dynamometer. 5 ml blood sample was taken for biochemical investigations including fasting blood glucose, HbA1c, vitamin D levels. T-test was done for the same.

Results

Under evaluation at present.

Conclusions

To be evaluated