



Adhesive Capsulitis in Diabetes Mellitus - An Observational Study

Neha Mukkamala ⁽¹⁾ Jitendra Lakhani ⁽²⁾ Lata Parmar ⁽³⁾

⁽¹⁾ PhD scholar, College of Physiotherapy, Sumandeep Vidyapeeth, Gujarat, India.

⁽²⁾ Professor, Department of Medicine, SBKSMIRC, Sumandeep Vidyapeeth, Gujarat, India.

⁽³⁾ MSc.PT, PhD, Professor and Principal, College of Physiotherapy, Sumandeep Vidyapeeth, Gujarat, India.

Abstract

Background: Shoulder problems are the most disabling manifestation of musculoskeletal disorders in diabetes. Patients with diabetes are five times more likely to develop capsulitis compared to non-diabetic controls.

Aim: The present study aimed to see the prevalence of adhesive capsulitis in patients with diabetes.

Methodology: This was a cross-sectional study approved by the Institution Ethics Committee. Patients diagnosed with type I and type II diabetes, aged 18 years and above, having a complaint of shoulder pain (unilateral or bilateral) were included in the study. Those patients who had undergone surgeries, fractures around the involved shoulder and any neurological conditions of the upper limb were excluded. Demographic data, duration of diabetes, dominance, type of treatment for diabetes were taken for all the patients. Shoulder ranges and functional activities were assessed in detail.

Results: A total of 243 patients with diabetes was enrolled in the study. 116 (47.74%) were females, 127 (52.26%) were males. Out of 243 patients with diabetes, 22 patients had adhesive capsulitis. The prevalence of adhesive capsulitis was 9.1%. A significant correlation (p

Conclusion: The prevalence of adhesive capsulitis in patients with diabetes was 9.1%. A significant correlation ($p < 0.05$) was seen between adhesive capsulitis and the duration of diabetes.

Author Keywords

Adhesive capsulitis, Diabetes mellitus, Frozen shoulder, Periarthritis, Hyperglycemia

Acknowledgement

The authors are grateful to the patients who participated in the study as well as Sumandeep Vidyapeeth trust. Conflict of Interest: The authors declare no conflict of interest. Funding: This was a self-funded project. Authors' Contribution Neha Mukkamala- 1) conception and design, analysis and interpretation of data; 2) drafting the article, revising it critically for important intellectual content; and 3) final approval of the version to be published. Dr Jitendra Lakhani- 1) conception and design 2) revising the article critically for important intellectual content; and 3) final approval of the version to be published. Dr Lata Parmar- 1) drafting the article, revising it critically for important intellectual content; and 2) final approval of the version to be published.

ISSN Print: 2231-2196

Source Type: Journals

Publication Language: English

Abbreviated Journal Title: IJCRR

Publisher Name: Radiance Research Academy

Major Subject: Health Sciences

ISSN Online: 0975-5241

Document Type: Journal Article

DOI: <http://dx.doi.org/10.31782/IJCRR.2021.131309>

Access Type: Open Access

Resource Licence: CC BY-NC

Subject Area classification: Health Professions

Scope Database Link: <https://sdbindex.com/documents/00000201/00000-72970.pdf>

Article Link: http://ijcrr.com/uploads/3857_pdf.pdf

Subject area: Medical Terminology

Source: SCOPEDATABASE

Reference