









- [4] FRONTERA, W. R., SILVER, J. K. & RIZZO, T. D. 2008. Essentials of Physical Medicine and Rehabilitation: Musculoskeletal Disorders, Pain, and Rehabilitation, Saunders/Elsevier.
- [5] GHOSH, T. K., BERA, A. K., HOSSAIN, M. E. & SARKAR, P. S. 2012. Comparison of results of three different methods of treatment for adhesive capsulitis of shoulder. *J Indian Med Assoc*, 110, 827-8.
- [6] GREY, R. G. 1978. The natural history of "idiopathic" frozen shoulder. *J Bone Joint Surg Am*, 60, 564.
- [7] HUANG, Y. P., FANN, C. Y., CHIU, Y. H., YEN, M. F., CHEN, L. S., CHEN, H. H. & PAN, S. L. 2013. Association of diabetes mellitus with the risk of developing adhesive capsulitis of the shoulder: a longitudinal population-based followup study. *Arthritis Care Res (Hoboken)*, 65, 1197-202.
- [8] IANNOTTI, J. P. & WILLIAMS, G. R. 2007. Disorders of the Shoulder: Diagnosis & Management, Lippincott Williams & Wilkins.
- [9] JEWELL, D. V., RIDDLE, D. L. & THACKER, L. R. 2009. Interventions associated with an increased or decreased likelihood of pain reduction and improved function in patients with adhesive capsulitis: a retrospective cohort study. *Phys Ther*, 89, 419-29.
- [10] MARICAR, N., SHACKLADY, C. & MCLOUGHLIN, L. 2009. Effect of Maitland mobilization and exercises for the treatment of shoulder adhesive capsulitis: a single-case design. *Physiother Theory Pract*, 25, 203-17.
- [11] REEVES, B. 1975. The natural history of the frozen shoulder syndrome. *Scand J Rheumatol*, 4, 193-6.
- [12] ROBINSON, C. M., SEAH, K. T., CHEE, Y. H., HINDLE, P. & MURRAY, I. R. 2012. Frozen shoulder. *J Bone Joint Surg Br*, 94, 1-9.
- [13] SIEGEL, L. B., COHEN, N. J. & GALL, E. P. 1999. Adhesive capsulitis: a sticky issue. *Am Fam Physician*, 59, 1843-52.
- [14] TISON, F. & GHORAYEB, I. 2005. [Parkinson's disease and associated disorders]. *Rev Prat*, 55, 741-7.
- [15] VERMEULEN, H. M., OBERMANN, W. R., BURGER, B. J., KOK, G. J., ROZING, P. M. & VAN DEN ENDE, C. H. 2000. End-Range Mobilization Techniques in Adhesive Capsulitis of the Shoulder Joint: A Multiple-Subject Case Report. *Physical Therapy*, 80, 1204-1213.
- [16] WOHLGETHAN, J. R. 1987. Frozen shoulder in hyperthyroidism. *Arthritis Rheum*, 30, 936-9.
- [17] YANG, J. L., JAN, M. H., CHANG, C. W. & LIN, J. J. 2012. Effectiveness of the end-range mobilization and scapular mobilization approach in a subgroup of subjects with frozen shoulder syndrome: a randomized control trial. *Man Ther*, 17, 47-52.
- [18] ZABRANIECKI, L., DOUB, A., MULARCZYK, M., ANDRIEU, V., MARC, V., GINESTY, E., DROMER, C., MASSIP, P. & FOURNIE, B. 1998. Frozen shoulder: a new delayed complication of protease inhibitor therapy? *Rev Rhum Engl Ed*, 65, 72-4.

## Author Profile



**Asad Aziz** is in charge Physiotherapy Department Rasheed Hospital DHA, Lahore Head Of Physiotherapy Department CORC/KKT



**Hafiz Muhammad Asim** is Assistant Professor in Lahore Medical & Dental College, Department of Physical Therapy, Canal Bank Road, Lahore



**Hira Dilshad Ali** is Senior Lecturer, Lahore Medical & Dental College, Department of Physical Therapy, Canal Bank Road, Lahore