Thesis Title Scapular Movement During Arm Supported Abduction in Scapular Plane in Limited Right Shoulder Patients

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Date of Graduation 28 September B.E. 2537 (1994)

ABSTRACT

Twelve limited right shoulder subjects from the physical therapy clinic were randomly included to participate in the study. The scapulothoracic (ST) motions were measured and compared between the non limited left and limited right shoulders. Through the range 30 to 105 degrees of arm elevation angle, the quantitative non invasive measurement of ST motions were performed with arm supporting devices in the scapular plane (30 degrees anterior to the coronal plane). It was found that ST motions of the limited right shoulder were significantly greater than the non limited left ($p < 0.05$) in the range from 45 to 105 degrees arm angles, except only at 30 degrees arm angle. These results suggest that the ST motions of the limited shoulders could be encouraged to move greater than the normal shoulder.