

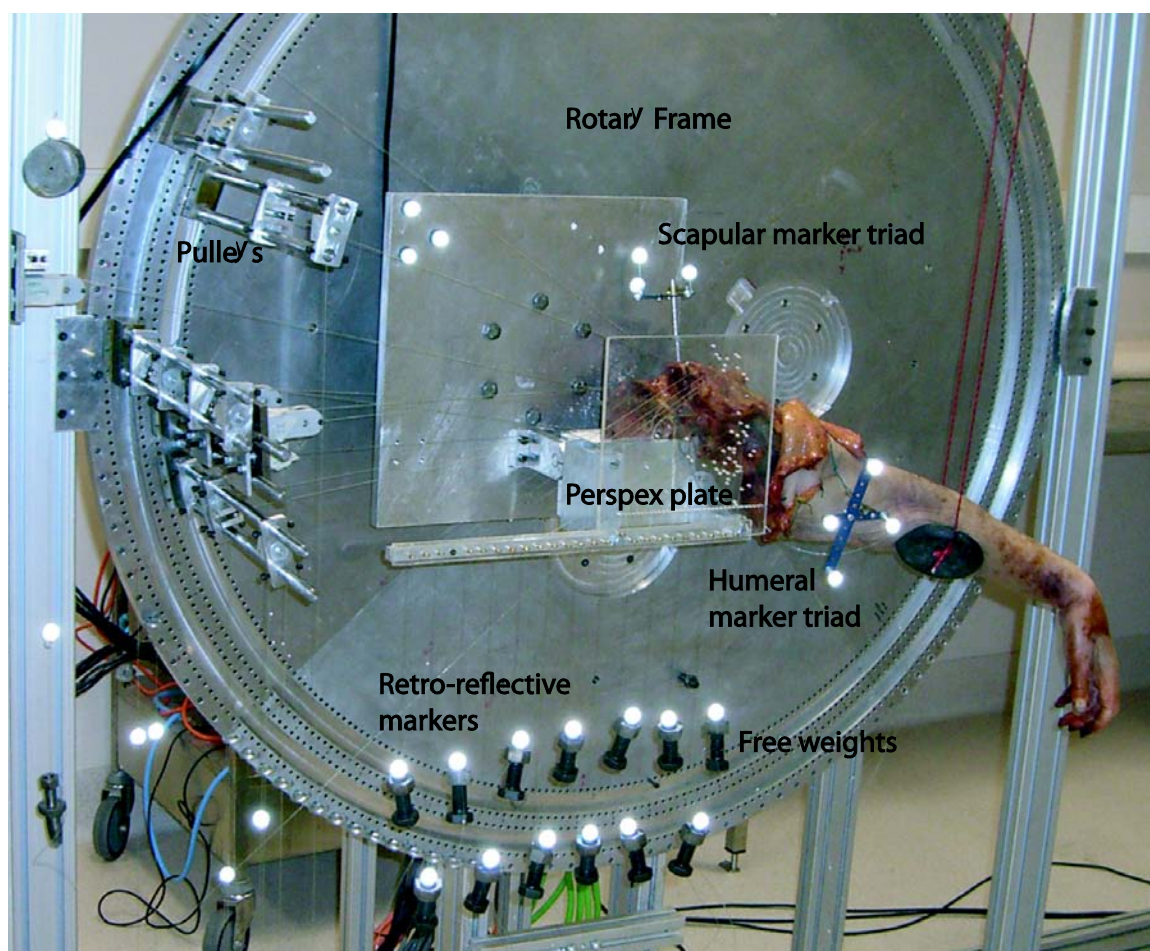


Fig. E-1

Photograph of a shoulder cadaver mounted on the dynamic shoulder cadaver testing apparatus.

TABLE E-1 Origins and Insertions of Muscles and Muscle Subregions Investigated in the Present Study

Muscle Subregion	Origin	Insertion
Subscapularis		
Superior	Superior third of subscapular fossa	Lesser tubercle of humerus
Middle	Middle third of subscapular fossa	Lesser tubercle of humerus
Inferior	Inferior third of subscapular fossa	Lesser tubercle of humerus
Supraspinatus		
Anterior	Anterior half of supraspinatus fossa	Highest impression of greater tubercle of humerus
Posterior	Posterior half of supraspinatus fossa	Highest impression of greater tubercle of humerus
Infraspinatus		
Superior	Superior half of infraspinatus fossa	Middle impression of greater tubercle of humerus
Inferior	Inferior half of infraspinatus fossa	Middle impression of greater tubercle of humerus
Teres minor	Lateral border of scapula	Lowest impression of greater tubercle of humerus
Teres major	Posterior surface of inferior angle of scapula	Crest of lesser tubercle of humerus
Deltoid		
Anterior	Lateral third of clavicle	Deltoid tuberosity of humerus
Middle	Acromion of scapula	Deltoid tuberosity of humerus
Posterior	Posterior border of spine of scapula	Deltoid tuberosity of humerus
Pectoralis major		
Superior	Medial half of clavicle	Crest of greater tubercle of humerus
Middle	Anterior surface of sternum	Crest of greater tubercle of humerus
Inferior	Lower-costal cartilages of second to sixth ribs	Crest of greater tubercle of humerus
Latissimus dorsi		
Superior	Spines of lower six thoracic vertebrae	Intertubercular groove of humerus
Middle	Spines of lumbar and sacral vertebrae	Intertubercular groove of humerus
Inferior	Posterior iliac crest	Intertubercular groove of humerus