

GROUP 25

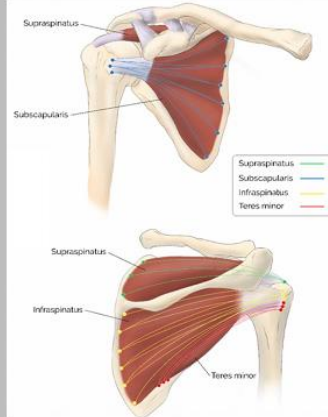
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CONTRIBUTION OF MUSCLE FIBERS TO ROTATOR CUFF MOMENT ARMS DURING ABDUCTION

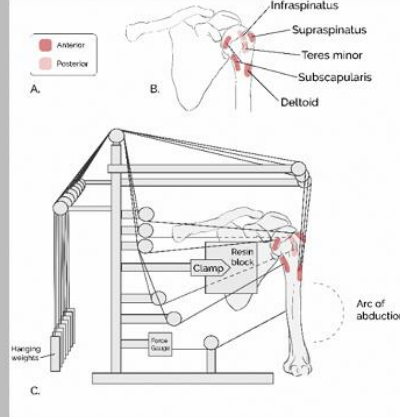
UIC Department of
ORTHOPAEDICS
COLLEGE OF MEDICINE



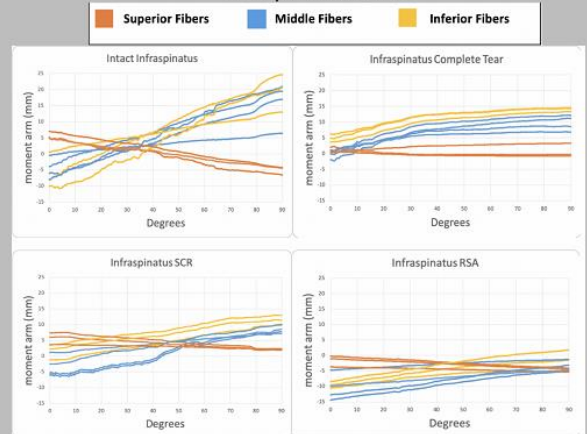
Rotator Cuff Muscle Fiber Lines



Shoulder Abduction Apparatus



Infraspinatus Results



	Avg. Moment Arm (stdev) (values in mm)	ANOVA Result for Moment Arm	Tukey HSD Group (at 95% confidence)	Avg. Percent Difference (stdev)	Kruskal-Wallis Result for Percent Difference	Mann-Whitney U (at 95% confidence)
Infraspinatus Intact	4.7 (3.6)	p < 0.001 DF = 3 DF _{error} = 16	A	N/A	p < 0.001 DF = 2 DF _{error} = 9	N/A
Complete Tear	4.9 (2.9)		A	83.7 (28.9)		A
SCR	4.9 (1.8)		A	19.9 (8.3)		C
RSA	-5.2 (2.0)		B	177.2 (5.3)		B

*Infraspinatus, Subscapularis, Teres Minor

**Intact, Complete Supraspinatus Tear, Superior Capsular Reconstruction (SCR), Reverse Shoulder Arthroplasty (RSA)

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Performance-Based Outcomes After Shoulder Arthroscopy in Professional Athletes Among Different Sports

@MaggieH888



Performance Based Statistics



Return-to-Play (RTP) Data



NHL



NFL



NBA



MLB

Average Days to RTP

Average Post-Injury Career Length, Years

Percent Change in Performance Scores Post-Injury

207 (11-631)

4.8 (1-11)

Year 1: -67.6%

Year 2: +2.7%

296 (233-342)

4.7 (1-8)

Year 1: +42.4%

Year 2: +38.5%

201 (32-745)

5.8 (1-14)

Year 1: -8.7%

Year 2: -6.2%

413 (94-1488)

3.7 (1-12)

Year 1: +2.2%

Year 2: +3.3%