ALIGNMENT

Peter Suk

THE KINDS OF ALIGNMENT

Visual Alignment (String Alignment & Fine Adjustment)

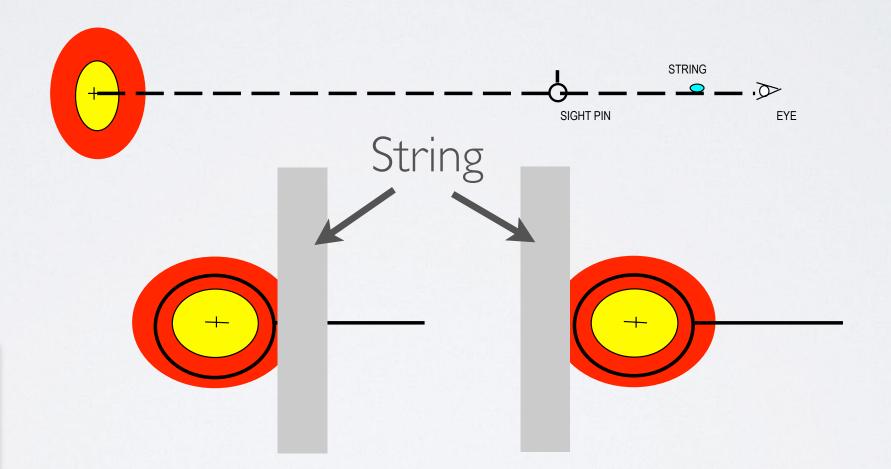
Body Alignment (Vertical Line & Weight Distribution)

Power Alignment

VISUAL ALIGNMENT

String Alignment

Target - Sight pin - Eye

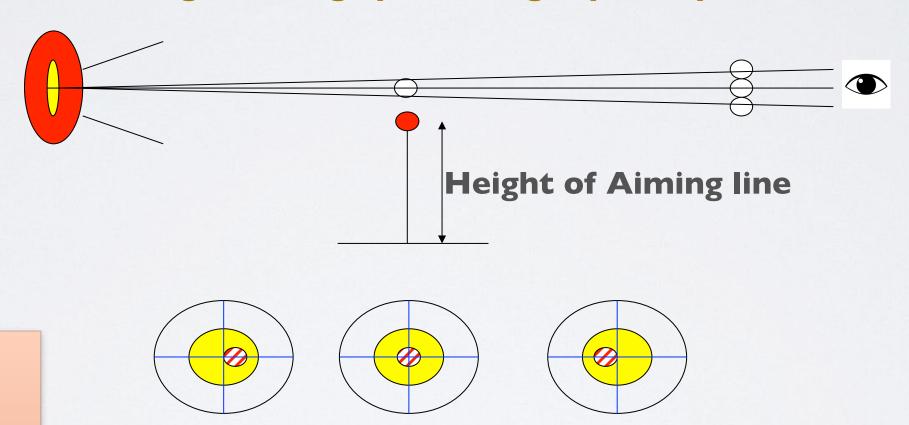


explanation principle -out, in, center drawing pattern windy condition

VISUAL ALIGNMENT

Fine Adjustment

Target - Image point - Sight pin - Eye



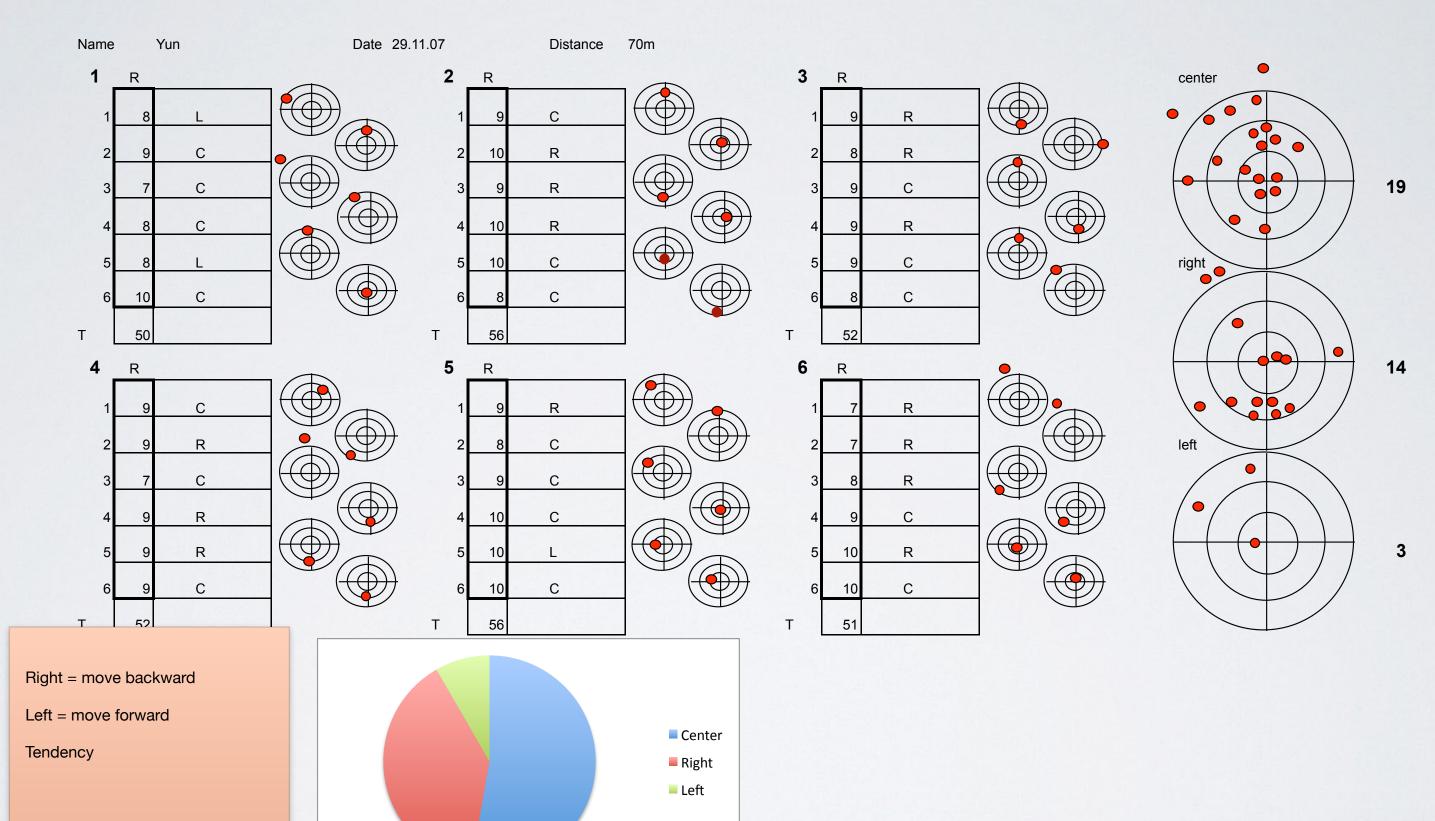
caused by body movement kind of torsion

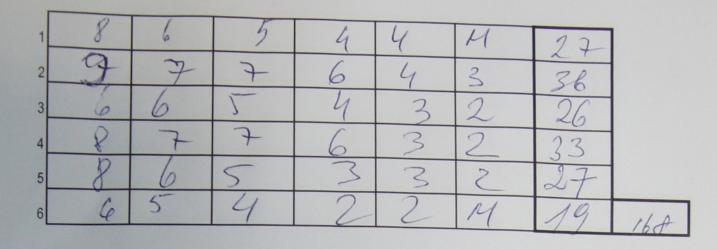


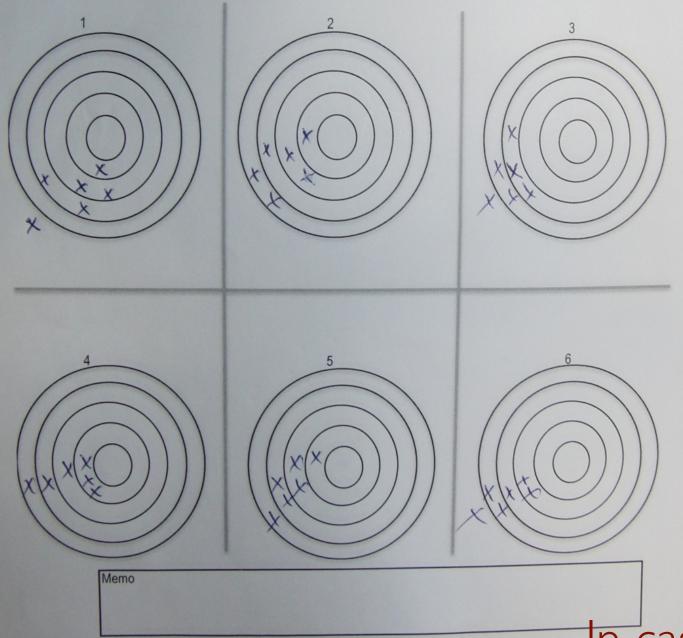




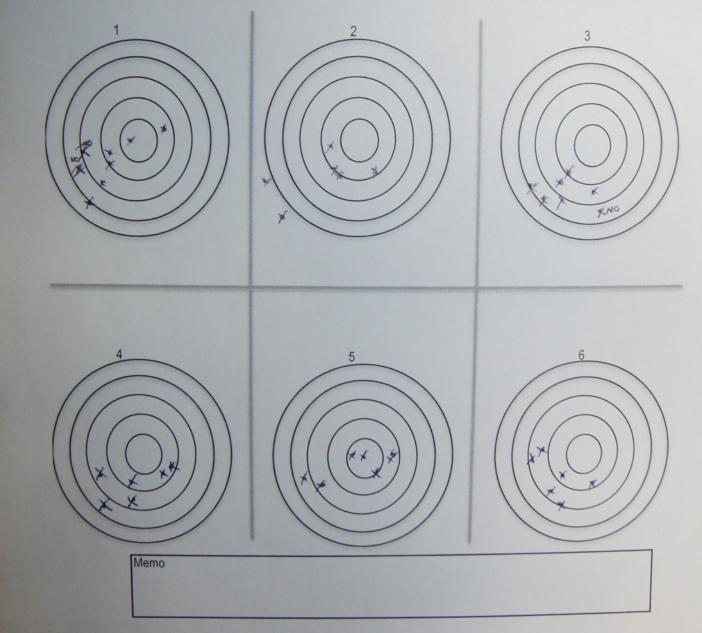
Ball test result







1	10	8	8	7	6	4	1.3	
2	8	7	7	7	Н	Н	29	
3	7	6	5	4	4	4	30	
4	8	8	4	6	6	4	39	
5	X	9	9	8	M 5	3	44	
6	8	8	6	6	5	5	38	273



In case of eyes closed

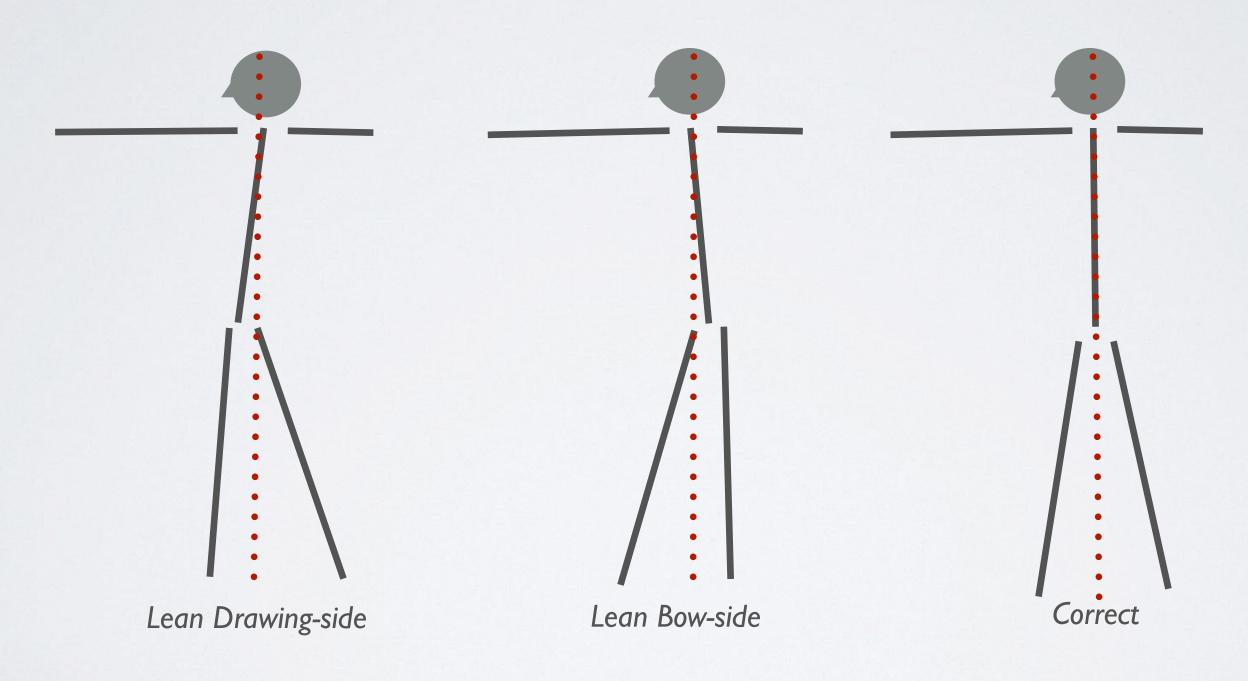
VERTICAL ALIGNMENT

Target Line

Shooting Line

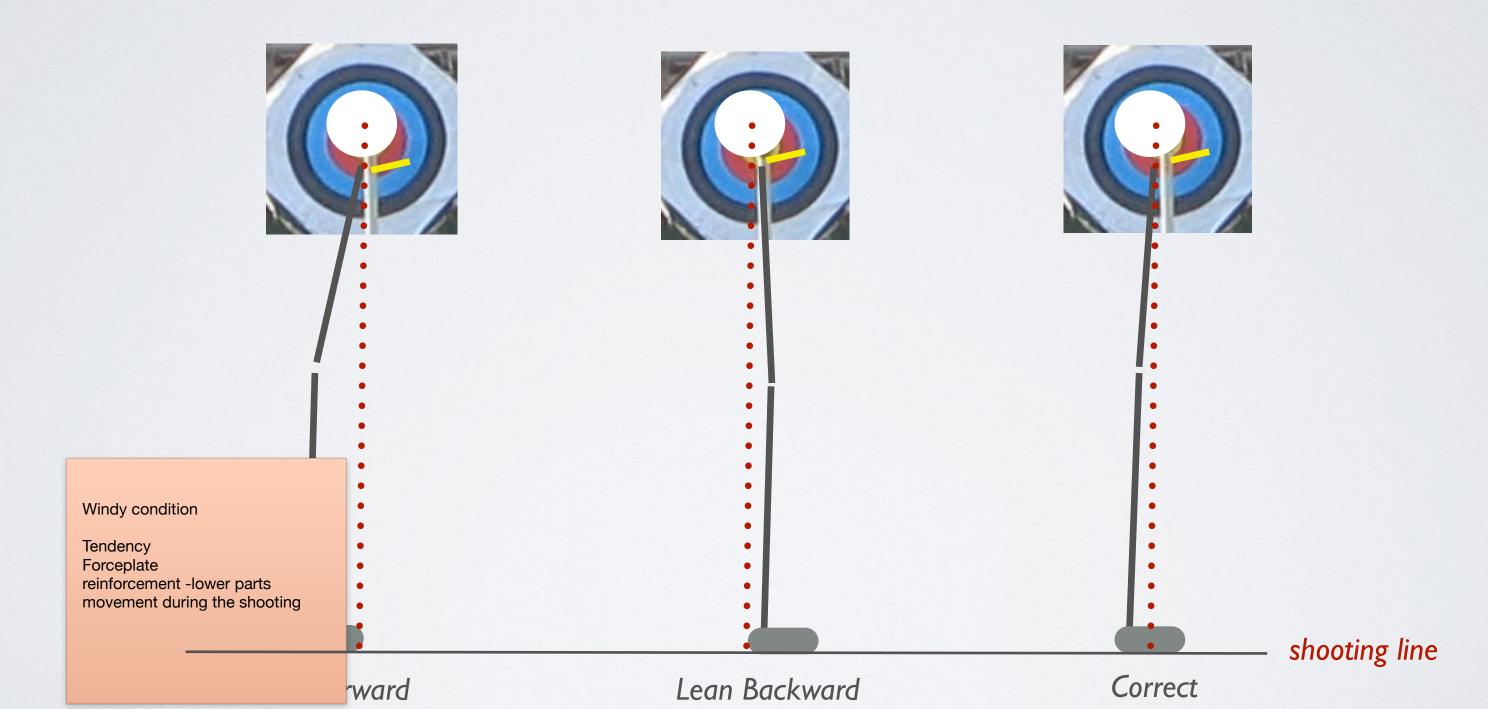
BODY ALIGNMENT

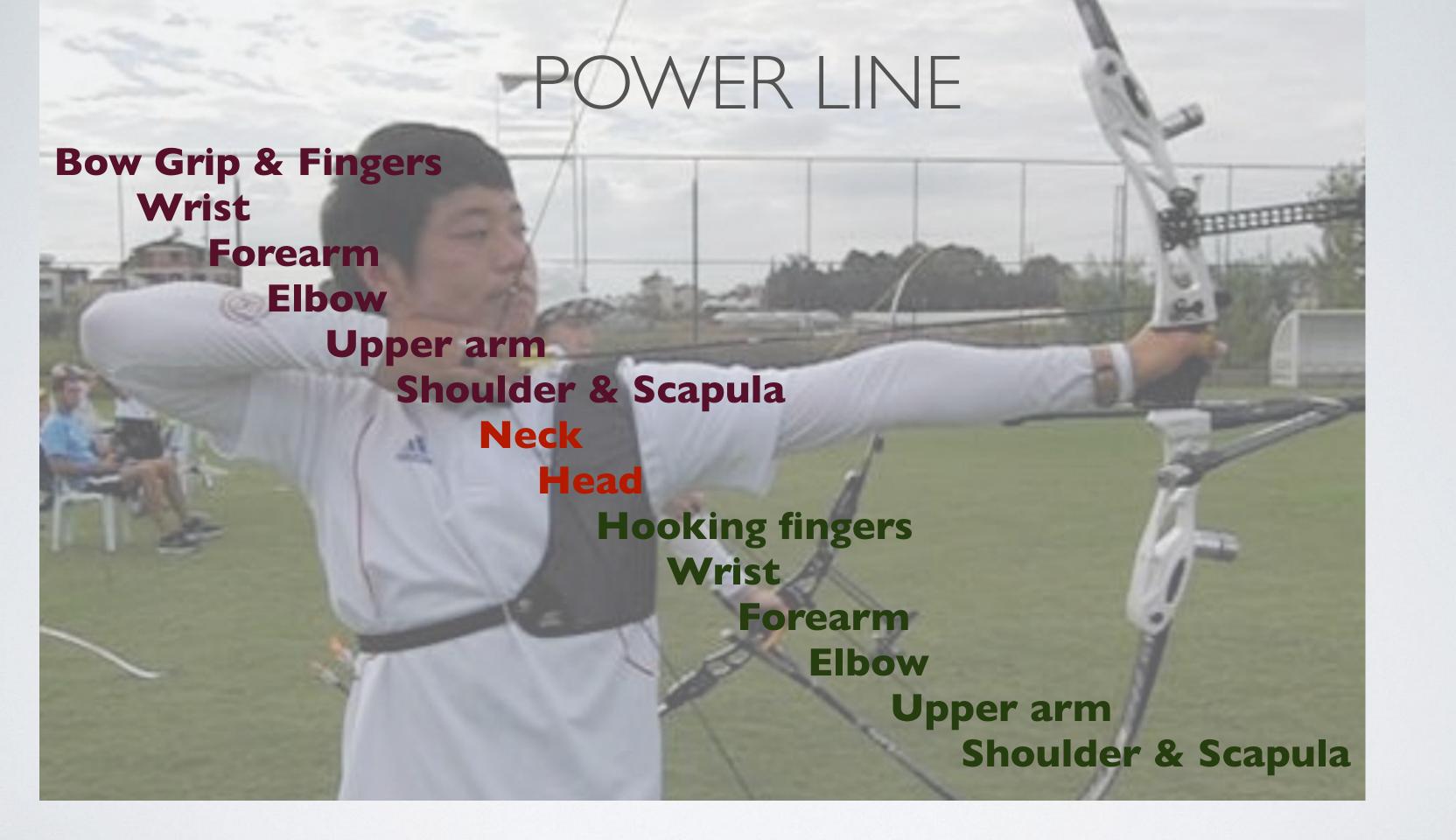
Vertical Line (Target line)



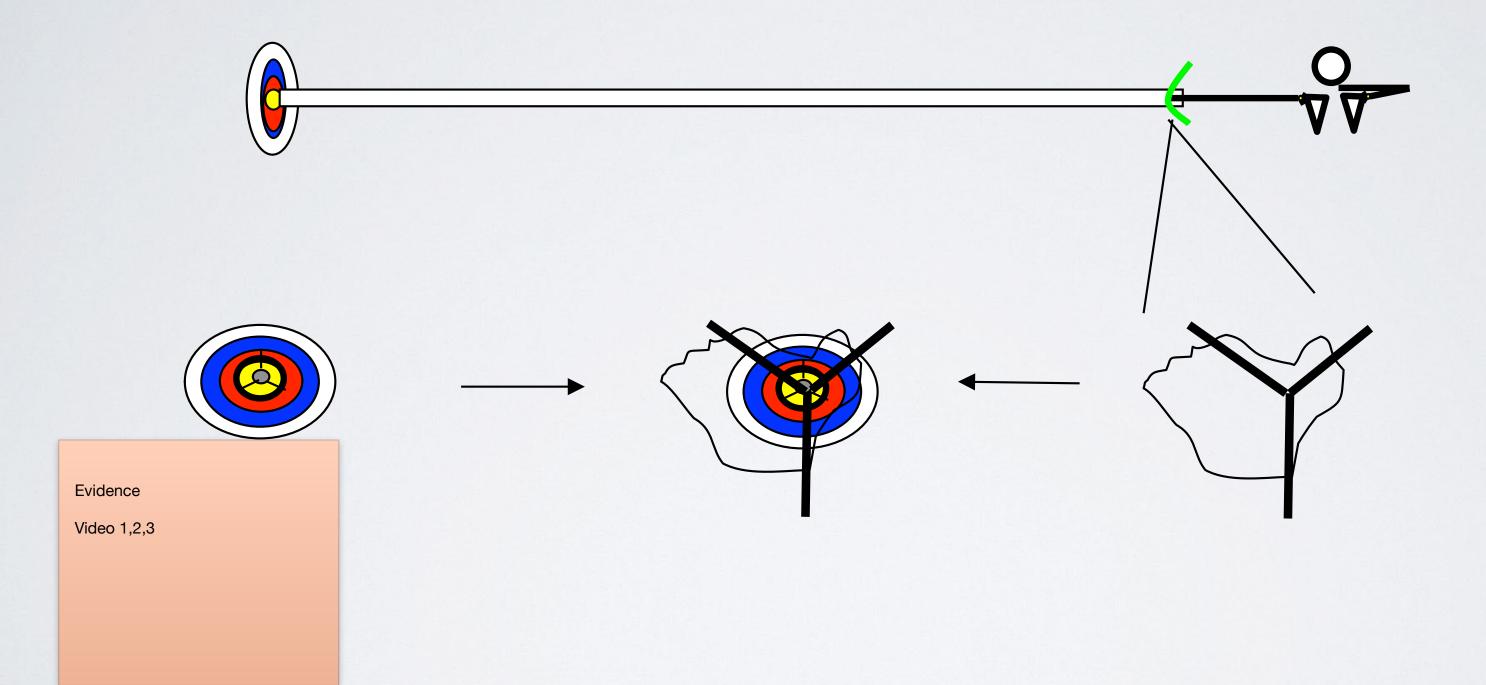
BODY ALIGNMENT

Vertical Line (Shooting line)

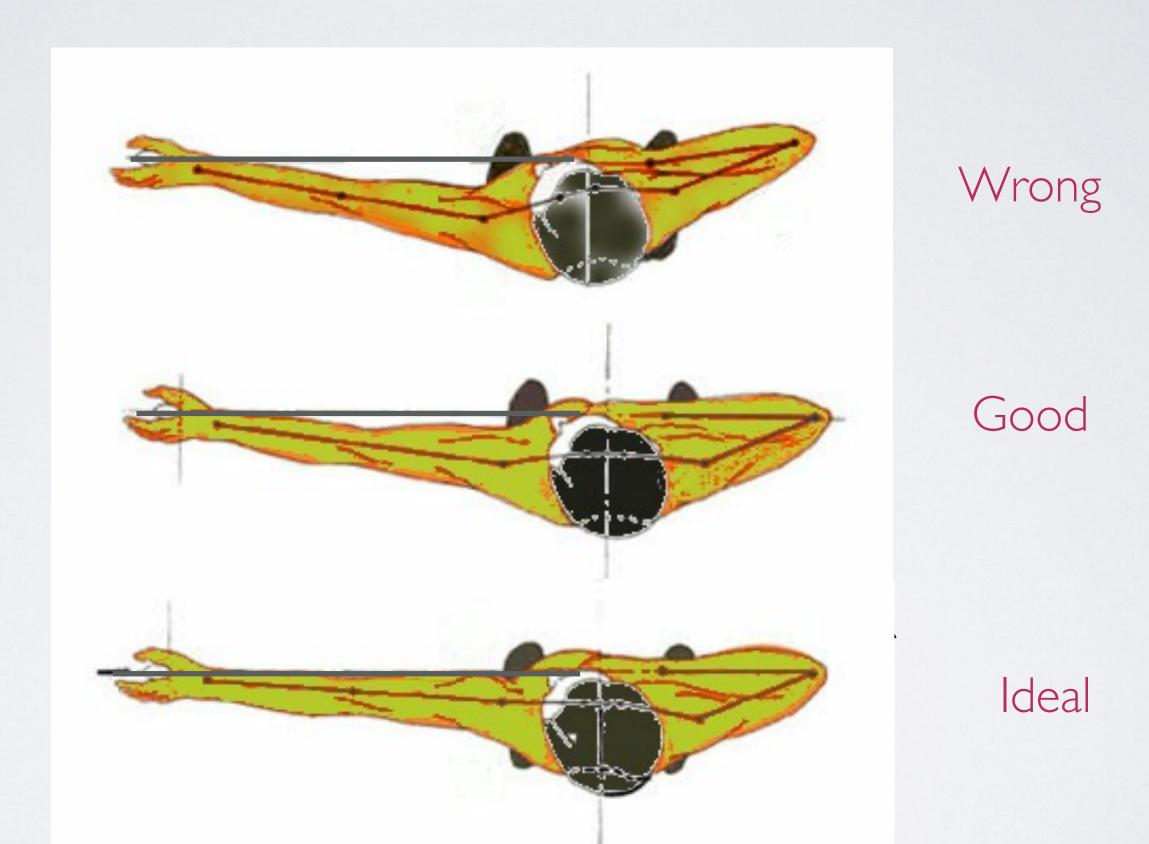




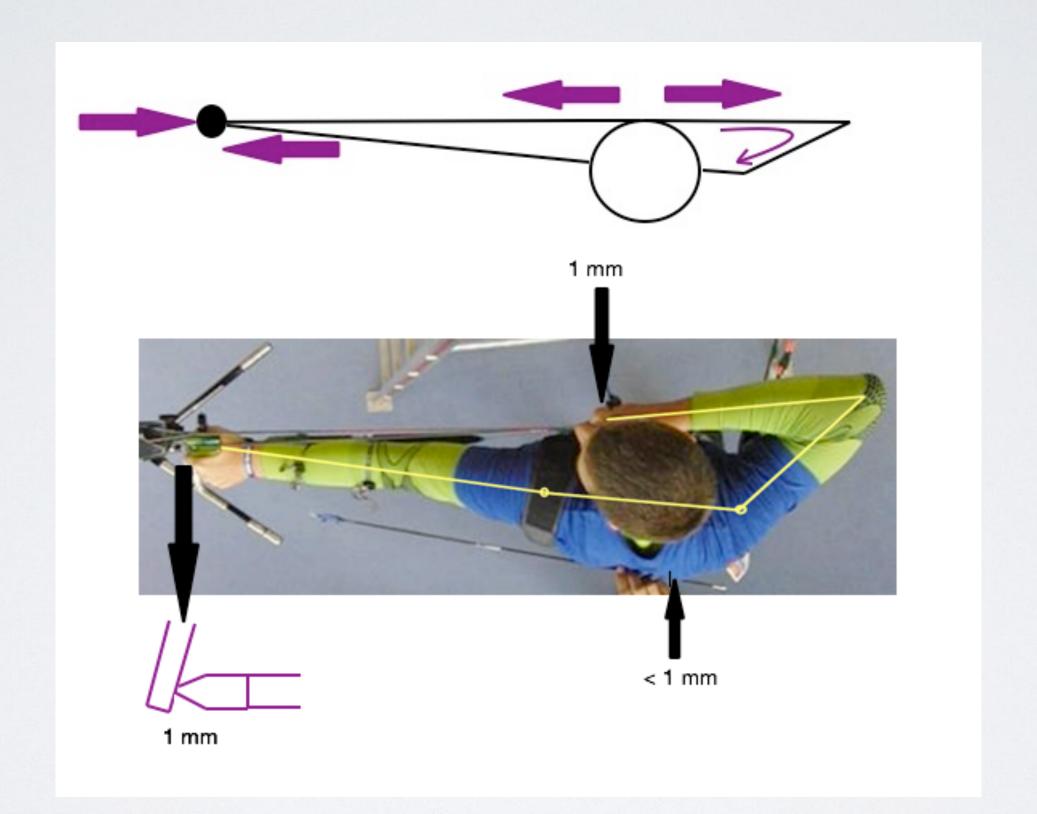
Direction of the power



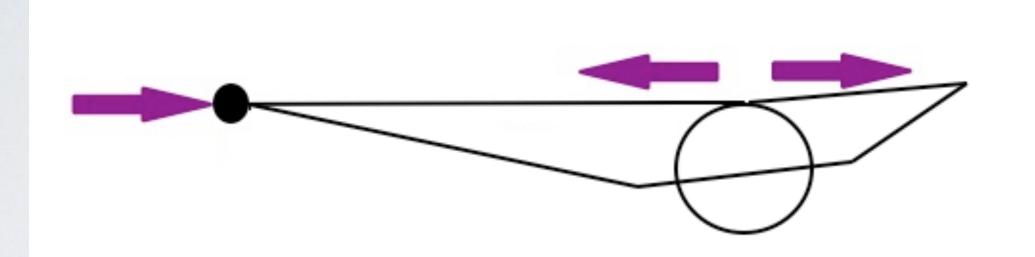
SHOULDER ALIGNMENT



Good alignment

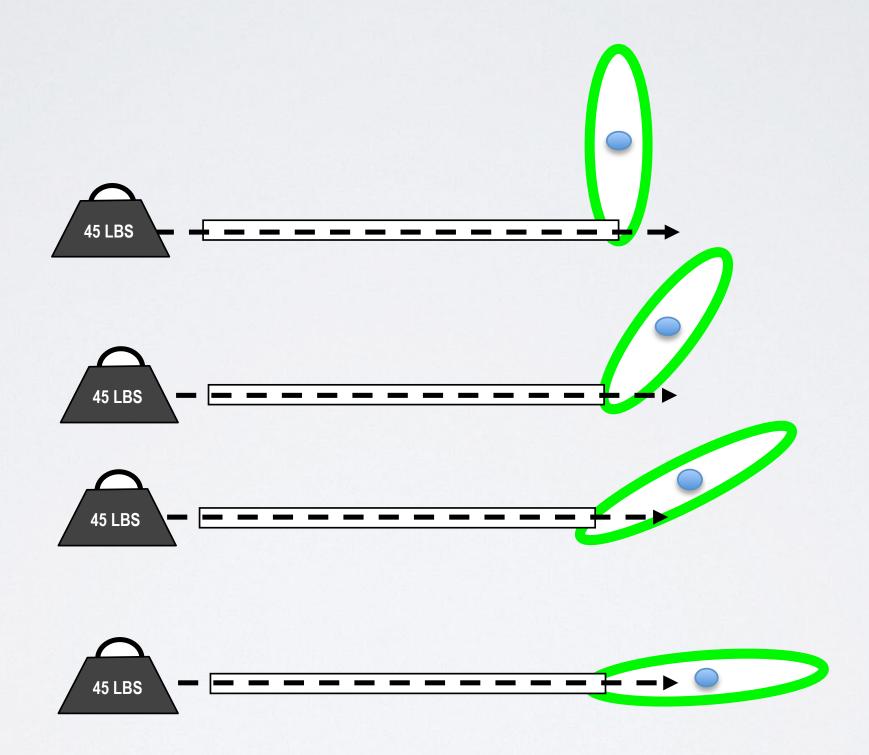


Wrong alignment





PRINCIPLE



archer is doing

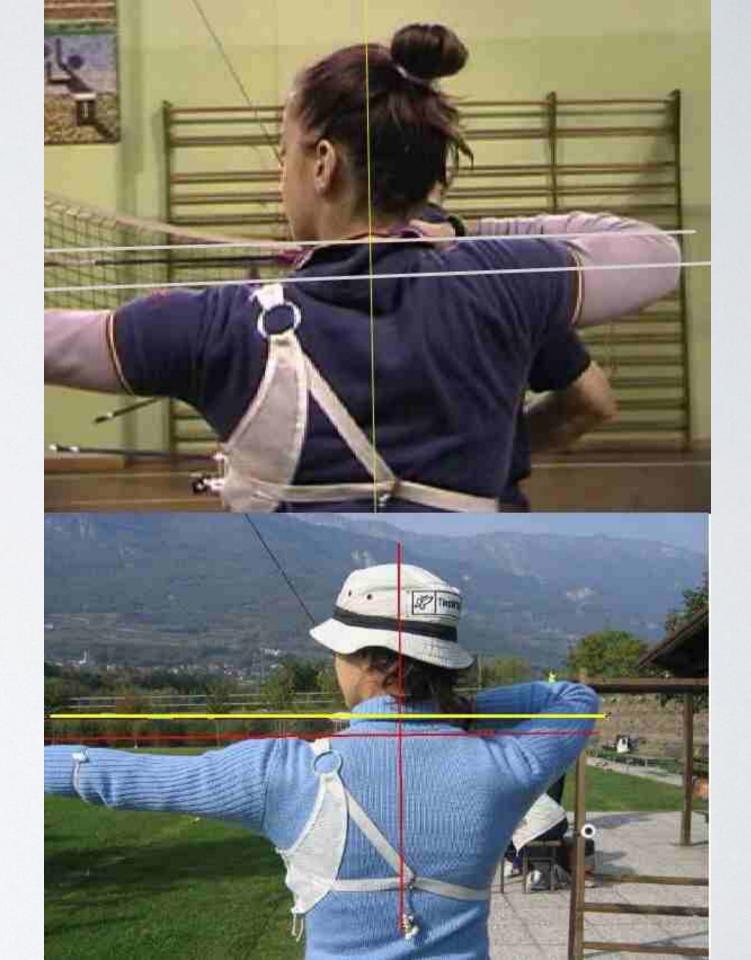
archer can do





Shoulder position

Bow shoulder & Draw shoulder











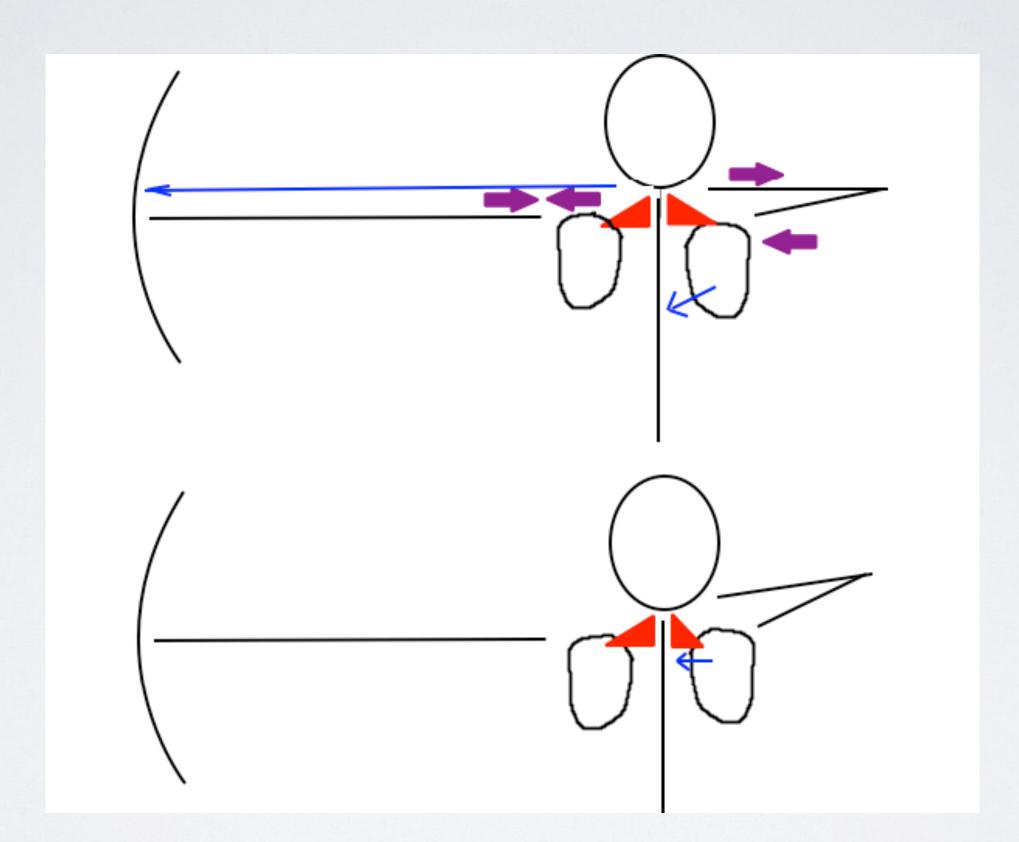






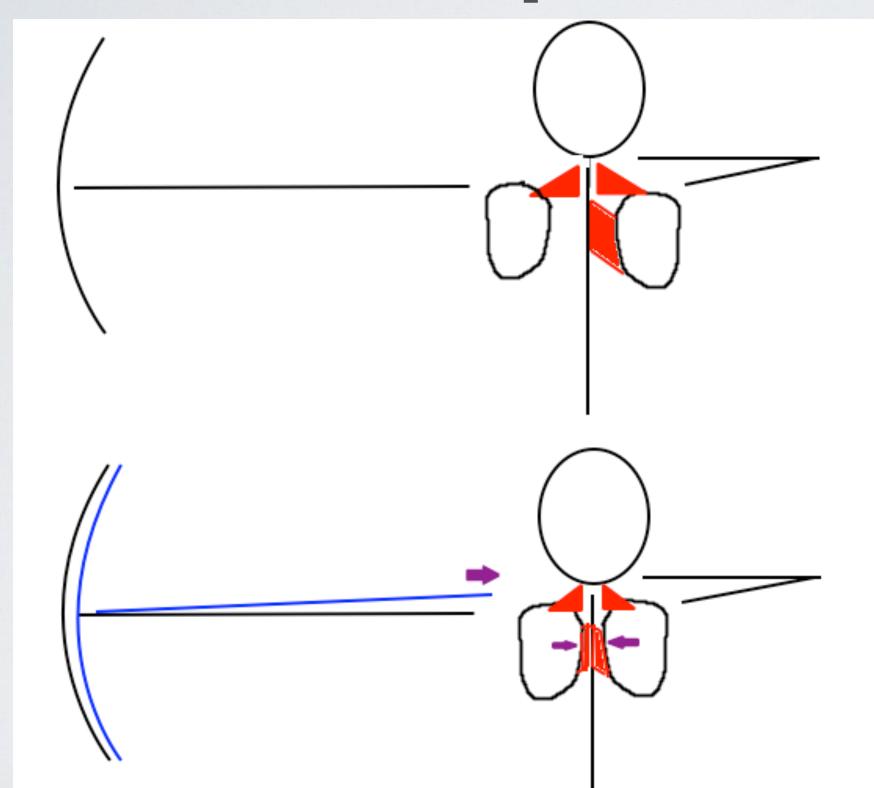


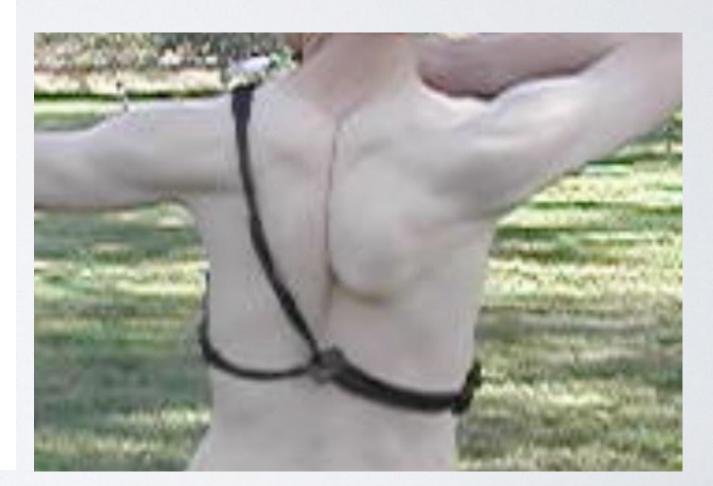
Mechanism of Back tension





Closed position of scapula











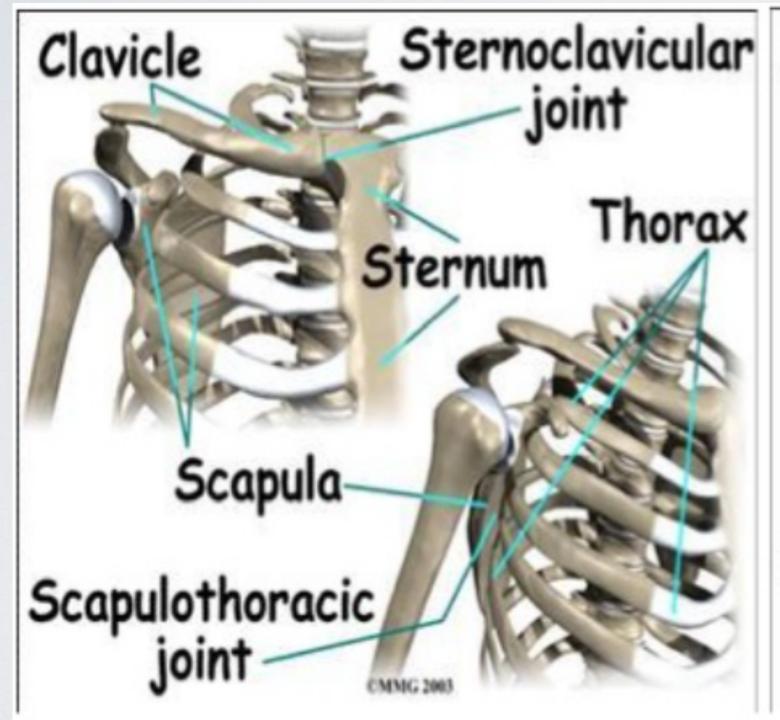
Direction

Balance

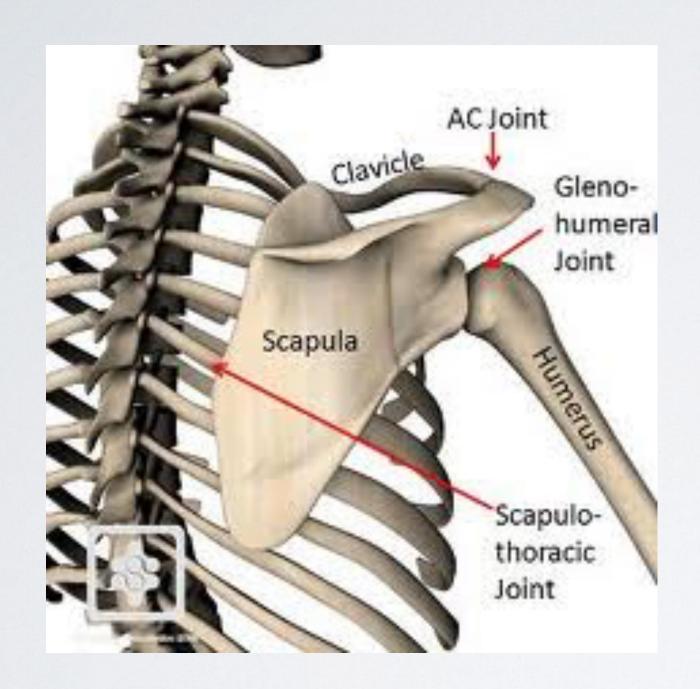
Precision

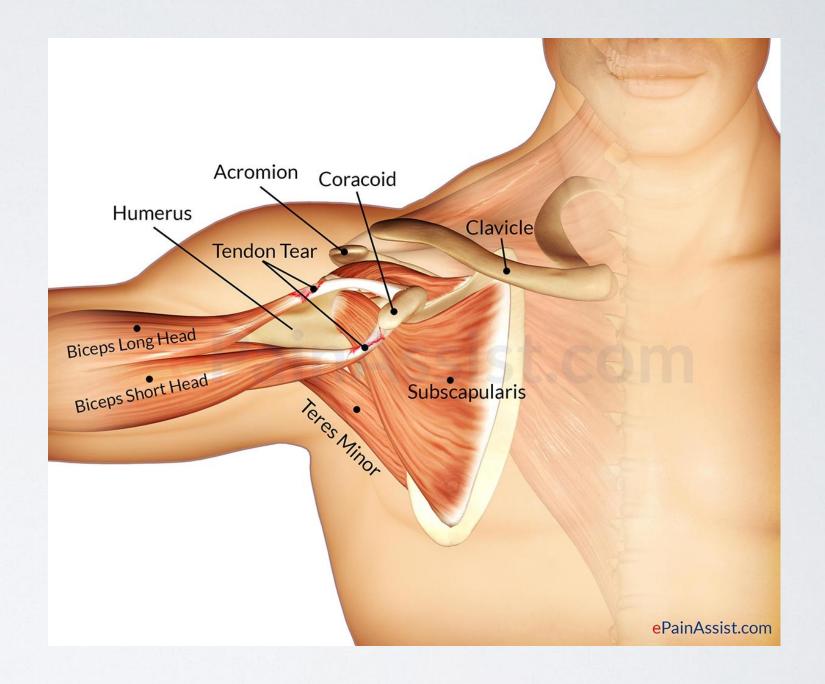
*Antagonism of muscles

Anatomy of Scapula & Clavicle (Bone)





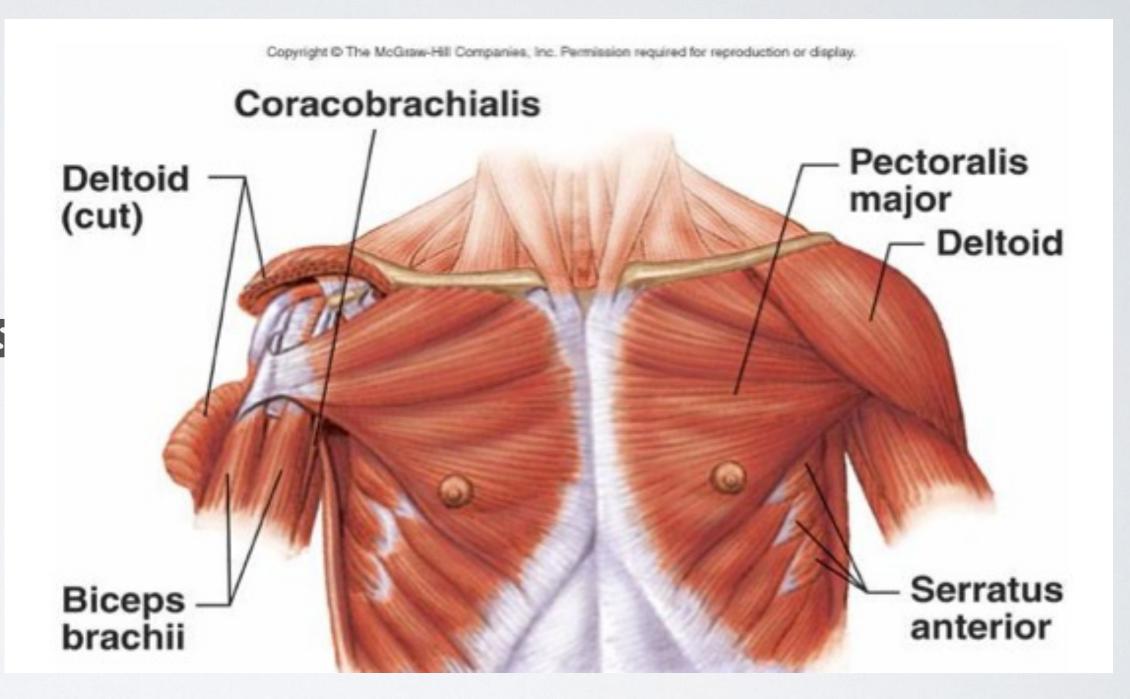




The muscles & dominated nerve that causes the movement of the scapula and shoulder

- Types of scapular movement
 - a. Elevation: levator scalular, trapezius upper part
 - b. Depression: trapezius lower part
 - c. Protraction (abduction) : serratus anterior
 - d. Retraction (adduction): rhomboidus major, minor
 - e. Upward rotation : serratus anterior, pectorlis muscle
 - f. Downward rotation: trapezius lower part
- Types of shoulder movement
 - a. flexion: coracobrachialis, deltoind anterior fiber
 - b. extension: latissimus dorsi, deltoid posterior fiber, teres major
 - c. abduction : deltoid middle fiber, supraspinatus
 - d. adduction : latissimus dorsi, pectoralis major
 - e. internal rotation: latissimus dorsi, teres major
 - f. external rotation: teres minor, infraspinatus
 - g. horizontal abduction : deltoid posterior fiber
 - h. horizontal adduction : pectoralis major, minor

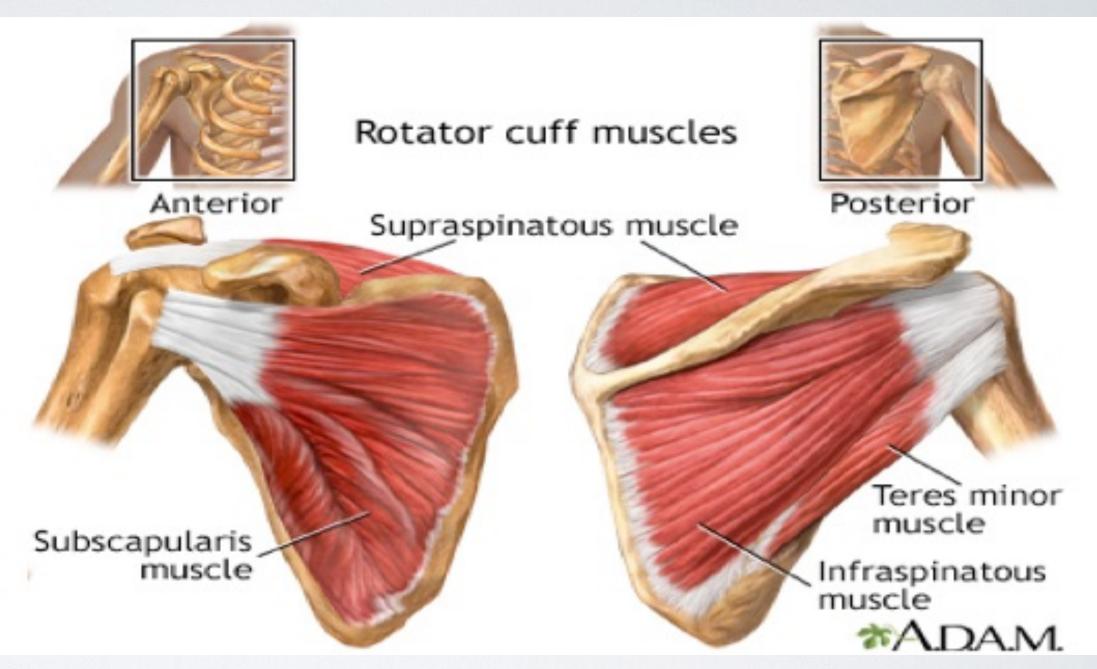
Front Muscles



Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display. Levator scapulae Trapezius Rhomboideus minor Rhomboideus Seventh cervicalmajor vertebra

Back Muscle

Scapula Muscle



Always Do Your Best!

HOWTO BE SUCCESS

Strong Motivation **Enough Volume of Training** Perfect Basic Skill Patience - Never Give up High Level of Coaching Good Support - Team Concentration