Shoulder and Upper Arm

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 1  P | R | O | T | R | A | C | T | I | O | N |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3  S | U | P | R | A | S | P | I | N | A | T | U | S |
|  |  |  |  |  |  |  |  |  |  | 4  G |  |  |  | 5  U |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 6  S |  |  |  | L |  |  |  | P |  |  |  |  |  | S |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | C |  |  |  | E |  | 7  I |  | W |  |  |  |  |  | M |  |  |  |  |  |  |  |  |  |
|  | 8  A | X | I | L | L | A | R | Y |  | N |  | M |  | A |  |  | 9  C |  |  | I |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | P |  |  |  | O |  | P |  | R |  |  | O |  |  | N |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | U |  |  |  | H |  | I |  | D |  |  | R |  |  | O |  |  |  |  |  | 10  G |  | 11  L |  |
|  |  |  |  |  |  | L |  |  |  | U |  | N |  | 12  R | O | T | A | T | O | R | C | U | F | F |  | L |  | A |  |
|  |  |  |  |  |  | O |  |  |  | M |  | G |  | O |  |  | C |  |  |  |  |  |  |  |  | E |  | T |  |
|  |  |  |  |  |  | H |  |  |  | E |  | E |  | T |  |  | O |  |  | 13  P |  |  |  |  |  | N |  | I |  |
|  |  |  |  |  |  | U |  |  |  | R |  | M |  | A |  | 14  S | C | A | L | E | N | E |  | 15  C |  | O |  | S |  |
|  |  |  |  |  |  | M |  |  |  | A |  | E |  | T |  |  | L |  |  | C |  |  |  | O |  | I |  | S |  |
|  |  |  |  |  |  | E |  |  | 16  G | L | E | N | O | I | D | C | A | V | I | T | Y |  |  | N |  | D |  | I |  |
|  |  |  |  |  |  | R |  |  |  |  |  | T |  | O |  |  | V |  |  | O |  |  |  | O |  | L |  | M |  |
|  | 17  S | U | B | C | L | A | V | I | U | S |  |  |  | N |  |  | 18  I | N | F | R | A | S | P | I | N | A | T | U | S |
|  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  |  | C |  |  | A |  |  |  | D |  | B |  | S |  |
|  |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  |  | U |  |  | L |  |  |  |  |  | R |  | D |  |
|  |  |  |  |  |  | H |  |  | 19  S | U | B | S | C | A | P | U | L | A | R | I | S |  |  |  |  | U |  | O |  |
|  |  |  |  |  |  | Y |  |  |  |  |  |  |  |  |  |  | A |  |  | S |  |  |  |  |  | M |  | R |  |
| 20  R | A | D | I | A | L | T | U | B | E | R | O | S | I | T | Y |  | R |  |  | M |  |  |  |  |  |  |  | S |  |
|  |  |  |  |  |  | H |  |  |  |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  |  | I |  |
|  |  |  |  |  |  | M |  |  |  |  |  |  |  |  |  |  |  |  |  | J |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 21  P | E | C | T | O | R | A | L | I | S | M | I | N | O | R |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | 22  S | U | P | R | A | G | L | E | N | O | I | D | T | U | B | E | R | C | L | E |  |  |  |  |  |

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| **Across**  **1.** pectoralis minor and serrates anterior cause what scapular movement?  **3.** which muscle initiates abduction at the shoulder?  **8.** branch of the subclavian artery  **12.** active stability by the shoulder is provided by what muscles?  **14.** elevates the ribs  **16.** Where the scapula articulates with the humerus  **17.** has ligamentous action at the sternoclavicualr joint  **18.** originates at the infraspinatus fossa  **19.** inserts on the lesser tubercle of the humerus and causes internal rotation of the humerus  **20.** insertion of the biceps brachii short head  **21.** the axillary 2nd third travels under what muscle?  **22.** origination of the biceps brachii long head | **Down**  **2.** originates on the lateral border of the scapula and inserts at the greater tubercle of the humerus  **4.** Joint between the scapula and humerus  **5.** serrates anterior and trapezius cause what scapular movement?  **6.** synchronization and pattern of movement of the scapula and humerus together is known as what?  **7.** When soft tissues are compressed between the greater tuberosity of the humerus and the AC joint, what occurs?  **9.** the trapezoid and the conoid make up which ligament?  **10.** what increases contact between the glenoid fossa and the head of the humerus?  **11.** the subscapular artery supplies what muscle?  **13.** has a clavicular and seternocostal portion  **15.** tubercle on the clavicle |

   glenohumeral       rotator cuff        glenoid cavity       coracoclavicular       conoid        supraspinatus        infraspinatus        Teres Minor       subscapularis        scapulohumeral rhythm        impingement        glenoid labrum       protraction        upward rotation       scalene       pectoralis major       subclavius       supraglenoid tubercle        radial tuberosity        axillary        pectoralis minor        latissimus dorsi