

Upper Extremity MMI/IR Case-Based Webinar

Module 3

Instructions

This document contains the Upper Extremity MMI/IR cases that will be addressed during the upcoming case-based webinar.

It's imperative that you work the cases in advance of participating in the webinar. The solutions to the cases will be discussed during the webinar. Please note any questions you have about these cases while you are working them.

Disclaimer

The material presented in this webinar is made available by the Texas Department of Insurance - Division of Workers' Compensation (TDI-DWC) for educational purposes only. The material is not intended to represent the only method or procedure appropriate for the medical situations discussed. Rather, it is intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations.

Upper Extremity MMI/IR Case 1

42 year old female school attendance clerk developed carpal tunnel syndrome

Treated surgically and has reached MMI

At MMI, reported improvement, but continued to complain of mild to moderate pain and numbness in right thumb and index finger

Performs job duties without noticing symptoms

Physical examination at MMI

- Full range of motion of thumb, fingers and wrist
- Manual muscle testing of thenar and lumbrical, wrist flexor and extensor muscles reveals 5/5 strength
- Two-point discrimination is 6 mm overall parts of hand; except palmar radial and ulnar portions of thumb and palmar radial and ulnar portions side of index finger, where she has 12 mm two-point discrimination

On date of MMI, what is the whole person IR?

- A. 4%
- B. 7%
- C. 8%
- D. 14%

Upper Extremity MMI/IR Case 2

22 year old bartender lacerated right index finger at MP joint; in emergency room found to have complete transection of radial digital nerve and partial transections of flexor tendons

Underwent surgical repair of tendons, followed by rehabilitation and reaches MMI

At MMI:

- 2 point discrimination is 5 mm over ulnar palmar aspect of index finger
- 2 point discrimination is greater than 15 mm distal to the laceration at MP joint on radial palmar aspect of index finger

Range of motion DIP joint extension to minus 30°; flexion to 40°

Range of motion PIP joint extension to minus 30°; flexion to 50°

Range of motion MP joint extension to minus 10°; flexion to 60°

On date of MMI, what is the whole person IR?

- 7%
- 8%
- 14%
- 15%

Upper Extremity MMI/IR Case 3

IE falls and sustains a Colles fracture/dislocation of the distal radius

Undergoes ORIF

Completes post-op PT

Reaches MMI

DD Exam

- Wrist ROM
 - Flexion 50°
 - Extension 20°
 - Radial deviation 16°
 - Ulnar deviation 17°

- Elbow/Forearm ROM
 - Pronation 50°
 - Supination 50°
- Wrist crepitation (constant) with active ROM
- Normal sensation and strength

On date of MMI, what is the whole person IR?

- 8%
- 10%
- 13%
- 14%

Upper Extremity MMI/IR Case 4

58 year old male auto mechanic injured right shoulder turning a large wrench while working overhead on a car

Emergency room records noted painful and limited right shoulder range of motion with positive impingement signs

X-rays negative with Type III acromion

Saw orthopedic surgeon and completed 10 visits of PT with concurrent subacromial injections with minimal short term benefit and persistent limited ROM and pain

Right shoulder MRI noted partial thickness tear of supraspinatus tendon, increased signal in subacromial bursa, and type III acromion

Surgery - arthroscopic rotator cuff tear repair with acromioplasty

30 post-operative PT visits with improved ROM and decreased pain

On date of MMI examination findings noted

- Normal 2 point discrimination (PD)
- Right shoulder ROM
 - Flexion 160°
 - Extension 40°
 - Abduction 120°
 - Adduction 30°
 - Internal rotation 30°
 - External rotation 30°
- Constant AC joint crepitation with active right shoulder range of motion
- Resisted “empty can,” and Neer’s positive for increased right shoulder pain
- All other upper extremity manual muscle testing 5/5

On date of MMI, what is the whole person IR?

- A. 7%
- B. 12%
- C. 11%
- D. 21%