

# Non-Musculoskeletal MMI/IR Case-Based Webinar

## Module 5

### *Instructions*

This document contains the Non-Musculoskeletal 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.

## Non-Musculoskeletal MMI/IR Case 1

Respiratory System- No pre-course case work

## Non-Musculoskeletal MMI/IR Case 2

### Visual System

- Welder struck with metallic foreign body penetrating the left eye
- Traumatic cataract left eye with lens replacement
- At MMI best corrected visual acuity
  - Left eye distance 20/150, near 14/60
  - Right eye distance 20/25, near 14/14
- Monocular visual field assessment via Goldman perimeter
  - Peripheral vision left eye 450° (50° loss)
  - No loss of visual field in right eye
- Normal ocular motility
- No diplopia

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

- A. 20%
- B. 22%
- C. 23%
- D. 24%

## Non-Musculoskeletal MMI/IR Case 3

### Hearing

32 year old firefighter with 10 years experience had unexpected acoustic barotrauma while not wearing hearing protection

- Pre-employment and yearly hearing tests have been normal
- Exam demonstrated eardrum perforation on the left

Complaints of hearing loss in the left ear and tinnitus that is constant

- Reduced only slightly with white noise and interferes with sleep
- In high noise environment, he has difficulty understanding speech of co-workers

### Uncorrected hearing audiogram testing after the injury

#### Right Ear:

- 500 Hz = 10 db, 1000 db = 20 db, 2000, = 30 db and 3000 = 40 db.  
**DSHL = 100**

#### Left Ear:

- 500 Hz = 50 db, 1000 db = 70 db, 2000, = 90 db and 3000 = 130 db.  
**DSHL = 340**

**On MMI date, what is whole person IR?**

- A. 5%
- B. 15%
- C. 20%
- D. 90%

## Non-Musculoskeletal MMI/IR Case 4

### Burn

- Injured employee sustained severe burn to distal right anterior thigh, over the knee
- Grafted with intermittent cracking of grafter area
- Normal ambulation not affected, but limits squatting, flexion based activities, sSome ADLs limited as a result
- Requires use of topical cream several times a day
- The skin on the anterior knee is taunt at 80°
- Knee ROM
  - flexion 80°
  - extension 0°

The skin on the anterior knee is taunt at 80°

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

- A. 27%
- B. 24%
- C. 14%
- D. Range of IR percentages, explain your answer

## Non-Musculoskeletal MMI/IR Case 5

- IE sustained ventral and left inguinal hernias while working
- Underwent ventral hernia repair and left inguinal hernia repair, both with mesh
- At MMI no palpable defect in either surgical site
- With increased pressure maneuvers including Valsalva, coughing, and lifting head up while supine, slight protrusions in inguinal canal and abdominal hernia repair which were reducible
- Returned to work in warehouse lifting more than 50 pounds occasionally

**On MMI date, what is whole person IR?**

- A. 0%
- B. 5%
- C. 15%
- D. 25%