

# **Case Management, Spinal MRI and Documentation SYLLABUS**

Cost: \$625

**Instructor:**

Mark Studin DC

**Module 1:** Documenting Herniated Discs, Age-Dating Disc Pathology, and Connective Tissue Pathology as Sequella to Trauma

75 Minutes – Instruction

45 Minutes -Study 79 Image Slides

Case Management, Spinal MRI and Documentation Documenting Herniated Discs, Age-Dating Disc Pathology, and Connective Tissue Pathology as Sequella to Trauma , Herniated Discs and Connective Tissue Pathology, differentially diagnosing herniated discs vs. normal and bulging discs and protruded, extruded and fragmented discs. Normal vs. Pathological connective tissues and age-dating herniated discs.

**Module 2:** Case Management of Traumatic Spinal Injuries

75 Minutes – Instruction

45 Minutes -Study 79 Image and literature-based Slides

Case Management, Spinal MRI and Documentation, Case Management of Traumatic Spinal Injuries, Understanding flexion-extension cervical injures and diagnosing connective tissue pathology. Determining impairments and the literature-based standard for permanent injuries.

**Module 3:** Managing Herniated and Bulging Discs, Serious Injury in Non-Herniated Cases from Trauma

75 Minutes – Instruction

45 Minutes -Study 85 Image and literature-based Slides

Case Management, Spinal MRI and Documentation, Managing Herniated and Bulging Discs, Serious Injury in Non-Herniated Cases from Trauma, Spinal disc morphology, and innervation. Herniated, bulged, protruded, and sequestered disc characteristics and management. Literature-based documentation requirements for no-dis spinal injuries.

**Module 4: Herniated Discs and Permanent Brain Malfunction & Biomechanical Failure**

75 Minutes – Instruction

45 Minutes -Study 84 Image and literature-based Slides

Case Management, Spinal MRI and Documentation, Herniated Discs and Permanent Brain Malfunction & Biomechanical Failure, A case-study of a post-traumatic herniated disc and related brain malfunction supported by contemporary literature, MRI acquisition, and necessity protocols.

**Module 5: Demonstrative Documentation of Disc Herniation and MRI Physics**

75 Minutes – Instruction

45 Minutes -Study 74 Image and literature-based Slides

Case Management, Spinal MRI and Documentation, Demonstrative Documentation of Disc Herniation and MRI Physics, Understanding the documentation requirements to demonstratively show spinal disc lesions in reporting pathology. Understanding the physics of a nucleus resonating in T1 and T2 weighted imagery.

**Module 6: Post-Traumatic Herniated Discs, Related Migraines-Headaches & Strain/Sprain Permanences**

75 Minutes – Instruction

45 Minutes -Study 61 Image and literature-based Slides

Case Management, Spinal MRI and Documentation, Post-Traumatic Herniated Discs, Related Migraines-Headaches & Strain/Sprain Permanences, Relationship of headaches, and migraines to cervical spine disc herniation, clinical rationale for ordering MRI's and the relationship of ligamentous pathology to spinal trauma.

**Module 7: Documentation of LowSpeed Crashes in Determining Etiology of Serious Bodily Injuries**

75 Minutes – Instruction

45 Minutes -Study 60 Image and literature-based Slides

Case Management, Spinal MRI and Documentation, Documentation of LowSpeed Crashes in Determining Etiology of Serious Bodily Injuries, Documentation requirements during the evaluation, and management encounter to understand the etiology of spinal injuries. Having a complete understanding the forces involved to conclude a differential diagnosis, while concurrent ruling malingerers, if applicable.

**Examination:** 1 hour

**Total Education Time: 15 Hours**

**Goal:** To have the student be able to understand the etiology of spinal pathology, document it, and triage based upon the severity of the lesion.