

# Spinal Disc and Ligaments Neurology and Pathology

## 7 "Online" CE Credits

### Instructors

**Candice Perkins MD, Neurology & Cerebrovascular Neurology**  
**Mark Studin DC, FASBE(C), DAAPM**

Module 1- 2 Hours

Introduction, Ligament Physiology and Pathology – 90 Minutes - 60 Minute Power point

Neurology of Ligament Pathology- Normal Morphology and Tissue Damage, *Connective tissue morphology, embryology and wound repair as sequelae to trauma. Full components of strain-sprain models and permanency implications with wound repair and osseous aberration with aberrant structural integrity*

Module 2 – 2 Hours

Hours – Spinal Biomechanics & Disc Pathology – 60 Minutes – 60 Minute Power Point

Module 3 – 2 Hours

Innervation of Disc and Brain as Sequelae to Herniation – 120 Minutes – Power Point – 30 Minute Power Point

Final Exam – 1 Hour

Course Goal: The goal of this course is to understand the neurological components of the connective tissue subcomponents of spinal discs and spinal supportive structures and how they normally function and react to trauma. In addition, the role of the central and peripheral nervous systems in spinal biomechanical engineering compensatory models