

# **Orthopedic and Neurologic Case Reviews**

**James Demetrious, DC, FACO**  
**Fellow, Academy of Chiropractic Orthopedists**

Dr. James Demetrious achieved his doctorate at New York Chiropractic College in 1986. He is a Board Certified Chiropractic Orthopedist and Fellow of the Academy of Chiropractic Orthopedists. He is a Board member of the Academy of Chiropractic Orthopedists and editor of the Journal of the Academy of Chiropractic Orthopedists. He has authored peer-reviewed journal articles that have appeared in Chiropractic and Osteopathy, JMPT, JNMS, and JACO. His clinical interests include defining the chiropractic premise, using advanced diagnostic imaging and improving clinical outcomes.

## **Course Description**

Dr. James Demetrious will be presenting many informative case presentations with background diagnostic and therapeutic protocols seen in chiropractic practice. Salient clinical orthopedic and neurologic conditions and presentations of common, uncommon and thought provocative cases will be provided.

Comprehensive discussion will be provided related to patient history, physical examination findings, diagnostic decision making, review of salient diagnostic testing modalities, differential diagnosis, treatment recommendations and outcomes. Demonstration of PE techniques will be reviewed.

Current and updated evidence based information will be presented that assesses clinical relevance and utility in practice. The emphasis will be placed upon instructive cases and workups.

The twelve (12) hour lecture will cover the below topics. In depth and comprehensive discussion and review of specific and varied conditions will be presented including:

- Head:
  - Headache
  - Carotid/VA dissections
  - Vertigo/BPV
  - Acute hearing loss
  - Visual disturbance
  - Trauma
    - Concussion management
  - HA Red flag conditions:
    - Temporal arteritis
    - Intracranial hypertension

- TMD
  - Epidemiology
  - Etiology
  - Advanced diagnostic/therapeutic considerations
    - Bisphosphonate osteonecrosis
    - RA
- Cervicocranial conditions:
  - Upper cervical ligamentous disruption
  - CSF flow dynamics
  - Chiari Malformations
  - Red Flag Conditions
- Cervical Spine:
  - Trauma
  - Arthropathies
  - Spinal surgical:
    - Conditions/indications/iatrogenic manifestations
- Upper Extremities:
  - Trauma
  - Sports Injuries
  - Peripheral neuropathy
- Thoracic Spine:
  - Scoliosis
  - Osteoporosis
    - Bisphosphonates
  - Compression Fracture
    - Kyphoplasty
  - Ribs
  - Somato-visceral manifestations
  - Guillian Barre/Transverse Myelitis
- Lumbar Spine:
  - Trauma
  - Cauda Equina Syndrome
  - Stenosis
  - Synovial cysts
  - Tarlov Cysts
  - Hemangiomas
  - Spondylolisthesis
- Lower Extremities:
  - Peripheral neuropathy
  - Sports injuries
  - DJD
  - Overuse syndromes
  - Vascular claudication
  - Tarsal tunnel syndrome
  - Plantar fasciitis
  - Peroneal tendinopathy

- Diabetes
  - Peripheral neuropathy
  - Charcot phenomena

Additional specific cases, review of images and therapeutic indications will be conducted.