

# **Cervicogenic Headache and Related Disorders**

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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 has provided coursework on behalf of NYCC, Logan, Sherman, Life and Palmer Colleges of Chiropractic. He is a board member and editor of the Journal of the Academy of Chiropractic Orthopedists. Dr. Demetrious has authored peer-reviewed journal articles that have appeared in Chiropractic and Osteopathy, JMPT, JNMS, JACA and JACO. His lectures heavily reference current mainstream indexed and peer-reviewed research while drawing from the experience of clinical practice of over twenty three years.

## **Course Description**

Dr. Demetrious provides an evidence based compilation of research and images with plausible physiologic and biologic rationales related to **Cervicogenic Headache and Related Chiropractic Concepts**. Course attendees will receive an advanced perspective utilizing clinically relevant, advanced diagnostic and MRI protocols. Presentation of evaluative procedures and care protocols will provide instructive insight to common and complex patient presentations.

## **Cervicogenic Headache and Related Chiropractic Concepts**

### **Lecture Syllabus**

**7:00 – 7:30 Registration**

**7:30-9:00 AM – Lecture (1.5 Hours)**

- Diagnostic Challenges:
  - Case Reports
    - Acute Autoimmune Transient Myelitis

- Intracranial Hypertension
- Sudden Hearing Loss

**9:00-9:10 AM – Break**

**9:10-10:40 AM – Lecture (1.5 Hours)**

- Benign Positional Vertigo
- Post-vehicular collision visual disturbances
- HTN and the Upper Cervical Subluxation
- Rectus Caps Posterior Minor and Suboccipital mm.
  - Myodural Bridge
  - Muscle Atrophy/Denervation – MRI/EDX Manifestations
  - Proprioception Issues
  - MRI and EDX
  - CSF Flow Dynamics on MRI

**10:40 -10:50 AM – Break**

**10:50 – 12:20 – Lecture (1.5 Hours)**

- Consultation
- History
- Examination
- Neurologic Examination

**12:20 – 12:50 – Lunch**

**12:50 – 2:20 – Lecture (1.5 Hours)**

- Imaging Protocols:
  - Headache Imaging Appropriateness Criteria – Review of ACR Guidelines
- Trauma and the Upper Cervical Ligamentous System:
  - MRI Manifestations

**2:20 – 2:30 – Break**

**2:30 – 4:00 – Lecture (1.5 - Hours)**

- Care Protocols
  - Chiropractic Adjustive Technique
    - Upper Cervical Technique
    - Diversified
    - Percussion Instruments
  - Intersegmental Traction
  - TrP
  - Cranio-sacral Mechanisms
  - Ocular / Proprioceptive Rehabilitation
  - Hallpike, Epley and Dardoff Maneuvers

**4:00 - 4:10 – Questions**