

Knowledge and Skill Building for the Chiropractic Expert

*Annual Conference of the American College of Chiropractic Consultants and the
Council on Forensic Sciences*



Opening day program workshop

Workshop Title: ***An Introduction to Evidence Informed Practice and Research Methods***

Instructor: Michael Schneider, DC, PhD

Date and time: Thursday October 9, 2014 from 8:30 a.m. to 5:30 p.m.

Where: Oakbrook Hills Resort Hotel, Oakbrook IL

Co-sponsor: NCMIC*

Workshop Description: 8 hour continuing education course providing an introduction to evidence informed practice and research methods. This presentation is for the doctor in clinical practice that wants to upgrade their ability to search, interpret and apply the evidence from scholarly articles into their daily practice. This is also for the doctor engaged in teaching or beginning a health related research career, and wants a review of scientific knowledge acquisition and understanding.

Workshop Outline:

Hour 1: Review of the scientific method and knowledge acquisition, with an emphasis on deductive and inductive reasoning.

Hour 2: An overview of the Evidence Based Medicine (EBM) paradigm, and how research evidence is summarized into systematic reviews, meta-analyses, and practice guidelines.

Hour 3: The 5 A's of EBM: Assess, Ask, Acquire, Appraise, and Apply. How to take a clinical situation and formulate it into an answerable PICO question.

Hour 4: The principles of the hierarchy of evidence and the Evidence House; key differences between experimental and observational types of research.

Hour 5: Primer on understanding statistical and clinical significance of clinical trials; interpretation of p-values, confidence intervals, and descriptive statistics.

Hour 6: Interpretation of measures of reliability and validity about diagnostic tests; understanding sensitivity/specificity and likelihood ratios.

Hour 7-8: Interactive session with attendees using their laptops to go online with step by step guidance from speaker on how to do a PubMed search for relevant research evidence including: how to formulate a good PICO question and access the literature; methods for performing a quick "sniff test" for relevance and face validity of research articles; and how to stay up to date with the current literature

****fulltime NCMIC D.C.'s get a yearly 5% premium discount for three consecutive policy years for attending this 8 hour course***