



## **BASIC / INTRO**

### **Thursday, October 27<sup>th</sup>**

#### **NUCCA Protocol**

*Instructor: Dr. Kurt Sherwood, Board Certified*

This class is an overview of NUCCA treatment protocols and basic terminology. Topics include a brief history of NUCCA, the unique complexities of the upper cervical region, terminology related to NUCCA x-ray analysis and biomechanics, and assessment protocols utilized by NUCCA.

#### **Intro to Biomechanics I and II**

*Instructor: Dr. Tym Flory, Board Certified*

This class serves as an introduction to the biomechanics of the NUCCA protocol. Its focus is on the concept of the condylar-axial relationship and how this important factor influences frontal plane movement at the craniocervical junction.

#### **4 Elements**

*Instructor: Dr. Jack Stockwell, Board Certified*

This class will be an overview of the NUCCA biomechanics, explaining the 4 elements that comprise the height vector and the purpose of each.

#### **Headpiece Placement**

*Instructor: Dr. David Packer, Board Certified & Dr. Michael Foran, Board Certified*

Lecture demonstration and participation providing an understanding and practical application in the use of the mastoid headpiece.

#### **Leg Check**

*Instructor: Dr. Michael Foran, Board Certified*

Review the protocol and hands-on experience for the supine leg check portion of the examination.

### **Friday, October 28<sup>th</sup>**

#### **S-Line**

*Instructor: Dr. Tym Flory, Board Certified*

This class will be an introduction of the purpose of the S-Line, how to draw it, and how to then properly take a Nasium radiograph. It will briefly review how to tell what S-Line a Nasium view was taken at.

#### **Image Positioning**

*Instructor: Dr. Michael Zabelin, Board Certified*

A level one class beginning with a power point presentation on the requirements and procedures in correct patient placement for the NUCCA views. The remainder of the class will be practical, with live demonstration and attending DCs and students setting classmates for the views.

#### **Intro to Adjusting I & II**

*Instructor: Dr. Kurt Sherwood, Board Certified & TBD*

The 8 phases and 27 individual steps of the NUCCA adjustment. Explain each phase and step so doctors understand what is accomplishing with each step. Practice drills with individual feedback on performance.

## Saturday, October 29<sup>th</sup>

### **Structural Analysis Part I**

*Instructor: Dr. Craig Lapenski, Board Certified*

Overview x-ray analysis, height vector, rotation vector, and torque. Criteria for good films and examples of unacceptable films. Specific analysis on the lateral x-ray and the points on the vertex x-ray.

### **Structural Analysis Part II**

*Instructor: Dr. Craig Lapenski, Board Certified*

Overview x-ray analysis, height vector, rotation vector, and torque. Criteria for good films and examples of unacceptable films. Specific analysis on the lateral x-ray and the points on the vertex x-ray.

### **NUCCA Review Q & A**

*Instructor: Dr. Kerry Johnson, Board Certified*

This class will allow introductory / students to review the NUCCA technique while having an open forum to seek immediate feedback on protocol, adjusting techniques, and case studies.

## **INTERMEDIATE / ADVANCED**

## Thursday, October 27<sup>th</sup>

### **NUCCA Standards Update**

*Instructor: Dr. Craig Lapenski, Board Certified & Dr. Tym Flory, Board Certified*

This class will review any updates to the standards and protocol of the National Upper Cervical Chiropractic Association (NUCCA).

### **Headpiece Placement**

*Instructor: Dr. David Packer, Board Certified & Dr. Vince Fitzpatrick, Board Certified*

Lecture demonstration and participation providing an understanding and practical application in the use of the mastoid headpiece.

### **Adjusting Phases I & II**

*Instructors: Dr. Barbara Read, Board Certified*

This class will cover detailed aspects of the 8 adjusting phases of the NUCCA protocol. It will involve classroom overview and description as well as practical breakouts with certified doctors to work in small group breakouts.

### **Advanced Biomechanics**

*Instructor: Dr. Craig Lapenski, Board Certified*

X-rays and schematic presentation of the out of pattern four basic types will be reviewed. Unusual cases with difficult concepts in biomechanics, lever systems and headpiece will be presented. The student will understand the most common difficulties in correcting each of the four basic types. In some cases, two- part correction mechanics will be presented with expectation outcomes will be discussed.

## **Friday, October 28<sup>th</sup>**

### **Torque**

*Instructor: Dr. Vince Fitzpatrick, Board Certified*

This class addresses how Torque is generated and when to apply in accordance with the position of Axis Spinous. The class begins with the definition of torque then leading into how NUCCA classifies torque as either superior or inferior relative to Transverse plane displacement of Axis Spinous. Some discussion will be dedicated to the effects of Torque in the Sagittal Plane and how that affects the Transverse Plane. After this verbal explanation the class will be divided into groups for Practical application with a Certified NUCCA Doctor working one on one with each person in that group.

### **Type 2 Out of Pattern**

*Instructor, Dr. Jack Stockwell, Board Certified*

Type 2 out-of-pattern (OOP) misalignments can be a bit of a hassle when trying to apply basic Type 2 biomechanics. With just two, simple to achieve modifications in determining the proper vector, Type 2 OOP misalignments can be reduced quickly and easily. This class concentrates on these two variations with biomechanics that can be applied to many Type 2, 3, and 4 OOP variations.

### **Certification Image Review**

*Instructor: Dr. Marshall Dickholtz, Jr, Board Certified*

This class is designed to demonstrate what constitutes a well taken radiograph of the head and cervical vertebra required to perform a NUCCA analysis. Actual x-rays submitted by certification candidates will be used to illustrate both proper positioning as well as common errors.

### **Advanced Imaging**

*Instructor: Dr. Michael Zabelin, Board Certified*

This class offers insight into aspects of image quality, from alignment to patient placement, to filtration, and covers digital components as well as analog. Attending DCs are encouraged to bring images from practice for evaluation and constructive ways to improve quality and consistency. Concepts in digital x-ray will be discussed as well.

## **Saturday, October 29<sup>th</sup>**

### **Research Overview/Update**

*Instructor: Dr. Jeffrey Scholten*

This class will be an overview of the current research NUCCA colleagues, and the Upper Cervical Research Foundation (UCRF) are working on.

### **Advanced Adjusting Session**

*Instructor: Dr. Marshall Dickholtz, Jr., Board Certified*

Focusing primarily on the final step in the seven phases of performing a NUCCA adjustment, the Triceps pull phase. Common errors as well as practical exercises to enhance the performance of a NUCCA adjustment to restore the atlas subluxation to normal will be discussed. Physical demonstration will be highlighted while attending doctors will have an opportunity to work with other instructors on their own skill sets.



### **Biomechanical Principals**

*Instructor: Dr. David Packer, Board Certified*

This class will cover the concepts of the C/A, primary and secondary resistance as they apply to proper vector selection based the understanding of the underlying biomechanics of the case.

### **Grand Rounds**

*Instructor: Dr. Kerry Johnson, Board Certified*

It is the nature of the NUCCA practice to attract difficult cases, those hurting & sick people who've "tried everything". Proficiency in the procedure itself typically offers amazing results for 80-90% of patients in most of our practices. This class will provide participants with information on how to manage the most difficult of the difficult.

### **Digital Analysis**

*Instructor: Dr. Craig Lapenski, Board Certified*

Honing your digital x-ray analysis skills.