

## **BASIC / INTRO**

### **Thursday, November 2<sup>nd</sup>**

#### **NUCCA Protocol**

*Instructor: Dr. Barbara Read, 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**

*Instructors: Dr. Tym Flory, Board Certified & Dr. Hannah Orem, 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.

#### **S-Line**

*Instructor: Dr. Kurt Sherwood, 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.

#### **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.

### **Friday, November 3<sup>rd</sup>**

#### **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.

#### **Vector Calculation**

*Instructor: Dr. David Packer, Board Certified*

This class will cover the biomechanical rationale for how to obtain the height and rotation adjustment vector from the x-ray analysis but only as starting point, the class will also explain how to use the vertical axis and other basic understandings of biomechanics to raise or lower the vector depending on the resistances involved in the case.

#### **Headpiece Placement**

*Instructor: Dr. Jack Stockwell, Board Certified*

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



## Fall 2023 NUCCA Conference Class Descriptions November 2 – 4, 2023 | Minneapolis, MN

### **Leg Check**

*Instructor: Dr. Jack Stockwell, Board Certified*

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

### **Intro to Adjusting I**

*Instructors: Dr. Barbara Read, Board Certified & Dr. Hannah Orem, Board Certified*

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, November 4<sup>th</sup>**

### **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 II**

*Instructor: Dr. Kurt Sherwood, Board Certified*

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.

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

*Instructors: Dr. Glenn Cripe, Board Certified & Dr. Barbara Read, 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, November 2<sup>nd</sup>**

### **NUCCA Standards Update**

*Instructor: Dr. Craig Lapenski, Board Certified*

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

### **Certification Review**

*Instructor: Dr. Daiki Ishiyama, 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 Biomechanics**

*Instructor: Dr. David Packer, 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

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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.

### **Advanced Adjusting, I**

*Instructor: Dr. Tym Flory, Board Certified*

This class will focus on the eight phases of performing a NUCCA adjustment. 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 and attending doctors will have an opportunity to work with other instructors on their own skill sets.

### **Friday, November 3<sup>rd</sup>**

#### **Torque**

*Instructor: Dr. Barbara Read, 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.

#### **Advanced Imaging (CBCT)**

*Instructors: Dr. Kerry Johnson, Board Certified, Dr. Tym Flory, Board Certified, Dr. Daiki Ishiyama, Board Certified*

This class is an overview of the use of CBCT in the NUCCA practice. Topics include the technology, physics and patient exposure as well as slicing the 3D image into views necessary for NUCCA analysis. Additionally, the course covers the pros and cons of CBCT vs. conventional radiography including complex biomechanical presentations only seen with advanced imaging.

#### **Advanced Adjusting, II**

*Instructor: Dr. Michael Zabelin, Board Certified*

This class will focus on the eight phases of performing a NUCCA adjustment. 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 and attending doctors will have an opportunity to work with other instructors on their own skill sets.

#### **Headpiece Placement**

*Instructor: Dr. Kerry Johnson, Board Certified*

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



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### Saturday, November 4<sup>th</sup>

#### **Research Review (all levels)**

*Instructor: Dr. Craig Lapenski, Board Certified*

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

#### **Adjusting Drills**

*Instructor: Dr. David Packer, Board Certified*

This course will be a breakout using the tools we've learned in adjusting classroom courses and provide hands on technique feedback from credentialed instructors.

#### **Out of Pattern Biomechanics**

*Instructor: Dr. Vince Fitzpatrick, Board Certified*

In the Out of Pattern Biomechanics class, we will be exploring the different ways of getting out of pattern cases to reduce. We will look at the influence of head piece placement and a rationale for changing the vector.

#### **NUCCA Rationale**

*Instructor: Dr. Glenn Cripe, Board Certified*

The NUCCA Rationale class explores the structural, muscular, and neurological relationships that make up the Atlas Subluxation Complex Syndrome. In this class, the doctors/students will gain a clearer and deeper understanding of NUCCA. The participants will be asked to explain the rationale to each other making sure they understand the work on different levels.

#### **Working Through Challenging Cases**

*Instructor: Dr. Craig Lapenski, Board Certified*

This course covers reviewing many x-rays and having the participants discover common obstacles to excellent image quality. It will also incorporate biomechanical discussions and theory as well as headpiece placement relative to the subluxation and its reduction.