

NUCCA will be offering pre-recorded courses for on-demand viewing for the Fall 2022 Virtual Conference.

All classes will be available to view through Sunday, December 18, 2022 and can be viewed as many times as you desire, and in any order your desire.

### **INTRO: PRE-RECORDED CLASSES**

#### **4 Elements (1 hour)**

*Instructor: Dr. Tym Flory, 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 (1 hour)**

*Instructor: Dr. Kerry Johnson, Board Certified*

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

#### **Image Positioning (2 hours)**

*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 (1 hour)**

*Instructor: Dr. Tym Flory, 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.

#### **Intro to Adjusting II (1 hour)**

*Instructor: Dr. Tym Flory, Board Certified*

A continuation of Part I, this course will explain practice drills and the phases of finding the perfect form for adjusting.

#### **Intro to Biomechanics Part I (1 hour)**

*Instructor: Dr. Kurt Sherwood, 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.

#### **Intro to Biomechanics Part II (1 hour)**

*Instructor: Dr. Kurt Sherwood, 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.

#### **Leg Check (1 hour)**

*Instructor: Dr. Michael Foran, Board Certified*

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

#### **NUCCA Protocol (1 hour)**

*Instructor: Dr. Kerry Johnson, 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.

### **NUCCA vs. Other Techniques (1 hour)**

*Instructor: Dr. Jeffrey Scholten*

The Level 1 course provides an overview on NUCCA procedures: Basic system structure, the manner in which our education, standards & research work to develop the procedures taught and developed by NUCCA. New doctors can develop understanding regarding NUCCA procedures and how it fits within chiropractic systems that are available to address the craniocervical junction.

### **S-Line (1 hour)**

*Instructor: Dr. Kerry Johnson, 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 (2 hours)**

*Instructor: Dr. Finley Sesker, 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 (2 hours)**

*Instructor: Dr. Finley Sesker, 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.

## **INTERMEDIATE / ADVANCED: PRE-RECORDED CLASSES**

### **Adjusting Phases I (1 hour)**

*Instructor: Dr. Tym Flory, Board Certified*

This class will focus on each step of the first three phases of the NUCCA adjustment. These critical phases will be discussed and demonstrated.

### **Adjusting Phases II (Approach, Settleback, Turn-in) (1 hour)**

*Instructor: Dr. Tym Flory, Board Certified*

This class will focus on each step of the first three phases of the NUCCA adjustment. These critical phases will be discussed and demonstrated.

### **Film Quality (1 hour)**

*Instructor: Dr. Craig Lapenski, Board Certified*

Participants will learn when to use which filters to get the best image for each film. They will find out what to look for to determine if they have good quality images. Participants will discover how to change mAs and filter combinations to get the crispest films. They will learn what doctors are looking for to pass films for certification. Discussion of atlas position, head rotation and proper S factors.

### **Headpiece Placement (2 hours)**

*Instructor: Dr. Tym Flory, Board Certified*

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

### **Intermediate Biomechanics (2 hours)**

*Instructor: Dr. Tym Flory, Board Certified*

Basic Types with the resistances encountered and what to do to with LOD and Mastoid Support to overcome those resistances as a review for the first part of the Class followed by Pre-and Post-Case studies. If I get enough Type 1's I will show the variations and how the Biomechanics changes.

### **NUCCA Documentation (1 hour)**

*Instructor: Dr. David Packer, Board Certified*

This class will teach the NUCCA doctors how to document what we do based on the three phases of healing and how to explain to third parties (private insurance, Medicare, personal injury) what we do and how to document it properly, so our care will be clinically supported in the language that 3rd parties can understand and accept as meeting the standards of care.

### **Digital X-Ray Analysis (2 hours)**

*Instructor: Dr. Craig Lapenski, Board Certified*

Honing your digital x-ray analysis skills with practical cases. A step-by-step guide through the process as well as avoiding common errors.

### **Upper Cervical Anatomy (1 hour)**

*Instructor: Dr. Jeffrey Scholten*

This class will provide an overview of the Clinical Anatomy of the craniocervical junction. Learning objectives from this course are to sharpen understanding of basic and more complex areas of CCJ anatomy (osseous, ligamentous, muscular, vascular & neural considerations).

### **Advanced Biomechanics (2 hours)**

*Instructor: Dr. Glenn Cripe, 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.

### **Advanced Imaging (2 hours)**

*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.

### **Torque (1 hour)**

*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.

### **Structural Asymmetry (1 hour)**

*Instructor: Dr. Tym Flory, Board Certified*

This class will review the frequently observed structural asymmetries seen on the NUCCA radiographs, how they can influence the NUCCA analysis protocols, and how to accommodate the analysis to accurately identify the biomechanical misalignment factors contributing the Atlas Subluxation Complex.