

INTRO/LEVEL 1

NUCCA Protocol – JOHNSON

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 –SHERWOOD

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 – FLORY

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

Intro to Adjusting Phases, Part I – FLORY

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

Film Quality – LAPENSKI

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.

Structural Analysis – LAPENSKI

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. Analysis of the nasium x-ray. Establishing points and line drawing. Calculating the height vector and combining it with the rotation vector.

Headpiece Placement - FITZPATRICK

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

Image Positioning – ZABELIN

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 Phases, Part II – FLORY

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 vs. Other Techniques – SCHOLTEN

Overview: NUCCA procedures: Basic system structure, the manner in which our education, standards & research work to develop the procedures taught and developed by NUCCA

Learning Objectives: Develop understanding regarding NUCCA procedures and how it fits within chiropractic systems that are available to address the craniocervical junction.

Leg Check – JOHNSON

This class is a review of the supine leg check protocol used in determining the need for a NUCCA adjustment during each patient encounter. It will provide hands on training to accurately assess the presence of the postural imbalance that accompanies the Upper Cervical Subluxation Complex.

Q&A Panel – JOHNSON/FORAN

A panel of NUCCA board certified doctors will field questions related to any topic presented during the conference, general and specific questions regarding the NUCCA protocol, and any questions participants may have about the utilization of NUCCA in the clinical practice.

INTERMEDIATE/LEVEL 2

Intermediate Biomechanics - FITZPATRICK

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.

Concussion Protocol – JOHNSON

This class explores the relationship between the upper cervical spine and the concussion diagnosis. Topics include research findings, post-concussive CSF & blood flow patterns, differential diagnosis, and collaborative care.

Managing the Subluxation – FORAN

1. Discussion on when to adjust. When not to adjust
2. Discussion on Instrumentation, i.e. calipers, anatometer, Tytron, thermography, leg check
3. Discussion on when to reprep XRAY

Torque – FITZPATRICK/STOCKWELL

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.

Adjusting Phases, Part I – FLORY

This class is designed to help doctors learn how to develop and practice the adjusting portion of the NUCCA procedure. This part will involve hands on learning and practicing the initial adjusting phases in small groups with certified instructors.

Digital Analysis – LAPENSKI

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

X-ray Analysis - SHERWOOD

Pre-analyzed x-rays will be distributed to participants (without the solution) to perform a detailed analysis and proposed biomechanical solution. A reference library of the cases with analysis and biomechanical solution will be available. This will then be reviewed by a certified doctor with the textbook solution available to compare. This is a workshop to further develop case analysis to a more intermediate to advanced level.

Adjusting Phases Part II – FLORY

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.

Review of Cases - LAPENSKI

Doctors are encouraged to bring radiographs with them of cases from their practice for review and discussion on case management and how to obtain a better reduction of the ASC.

LEVEL 2 AND 3 COMBINED

Research Overview – SCHOLTEN

This class summarizes ongoing UCRF funded research projects. Presentations include results of ongoing projects as they apply to reliability and validity of NUCCA assessments, fine-tuning of the NUCCA protocol, and improvements in providing NUCCA patient care as a result of conducted research.

Objectives:

- To understand the importance of research to the sustainability of the NUCCA organization.
- To understand how research findings can be translated to improving patient care and achieving better patient outcomes.

CT Imaging of Cervical Spine – SCHOLTEN

Overview: Advanced Imaging of the CCJ

Learning Objectives: Enhance knowledge of when to utilize Advanced Imaging (Cone Beam CT) of the CCJ and how to interpret results and utilize it to enhance established NUCCA procedures for complex patients.

Standards Update – FLORY/LAPENSKI/CRIFE

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

Keys to Certification – LAPENSKI

How to create mastery within patient care, overcoming the most common roadblocks in Certification.

ADVANCED/LEVEL 3

Advanced Imaging – ZABELIN

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.

Short Condyles - DICKHOLTZ

Information in this class will help prepare doctors for a wide assortment of osseous malformations that impact the understanding and reduction of the atlas subluxation complex, covering a variety of possible x-ray outcomes attendees will develop an understanding of both normal and abnormal biomechanical situations.

Basic Type 4 Biomechanics – STOCKWELL

Type 4 biomechanics are nothing to fear or be concerned about when you understand proper headpiece balance and support. Class time is divided between a review of type 4 biomechanics and techniques to determine the best placement of the head on the support. A knowledge of the biomechanics is elementary, but understanding the balance point will make type 4 misalignments collapse much easier than you think

Upper Cervical Anatomy – SCHOLTEN

Overview: Clinical Anatomy of the craniocervical junction

Learning Objectives: Sharpen understanding of basic and more complex areas of CCJ anatomy (osseous, ligamentous, muscular, vascular & neural considerations)

Advanced Biomechanics – CRIPE

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

Adjusting Concepts – CRIPE

This class will cover aspects of the biomechanics of the adjustment. The doctors will discover their strengths and weaknesses. They will learn the feedback necessary to work on their weaknesses. Exercises, drills, and stretches will be covered to strengthen their adjusting skills.

Advanced Headpiece Placement - CRIPE

This class will look deeper into how we are using the head as a biomechanical advantage in the reduction of the subluxation. For example, we will try and answer the question are we really positioning the head the way we think we are?

Philosophy of NUCCA –TAYAL

This class will review philosophical principles related to the practice of NUCCA