

## NUCCA Fall 2017 Conference Class Descriptions

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### **Standards Update – Lapenski/Flory**

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

### **S-Line Basic - Flory**

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.

### **S-Line (Level 2/3 combined) - Flory**

This class will be an in-depth review of the S-Line for doctors that have been in practice for a number of years. It will review how to tell what S-Line a Nasium view was taken at and how to correct S-Line errors in patient positioning.

### **NUCCA Protocol - Johnson**

This class will clearly lay out step by step what is considered NUCCA treatment protocols including but not limited to supine leg check, anatometer postural readings, thermography assessment, adjusting steps, x-ray taking and analysis and even NUCCA approved equipment.

### **Structural Analysis Part I - Sesker**

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 2 - Sesker**

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

### **Introduction to Adjusting - Johnson**

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

### **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.

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### **Advanced Adjusting Roll In – Read**

This class will break down each step of the roll in phase of the NUCCA adjustment. The format of the class will be both discussion and observation of attendees performing the procedure. We will focus on proper form as well as the reasons for each step. This will be a discussion of how perfecting this critical phase can help improve the effectiveness of the triceps pull.

### **Advanced Adjusting - Yardley**

This class will take the participant beyond the the 8 phases and 28 steps in the Triceps Pull Adjustment. We will be developing drills and perspectives designed to leverage the mastery of these basic phases and steps to an even greater understanding of controlling the adjustive forces to facilitate more complete corrections on the most difficult cases.”

### **Headpiece Placement - Fitzpatrick**

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

### **Leg Check - Foran**

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

### **Advanced Biomechanics – Yardley**

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.

### **NUCCA Objective Documentation – Packer**

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 3<sup>rd</sup> parties can understand and accept as meeting the standards of care.

### **X-ray Analysis - Yardley**

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.

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### **Upper Cervical Anatomy – Scholten**

Upper cervical anatomy review and advanced imaging review of the cranio-cervical junction, CT and MRI considerations. Learning objectives are increased understand of the upper cervical anatomy and biomechanics and clinically utilizing imaging studies for the cranio-cervical junction.

### **Adjusting Phases Part 1 (level 2) – Packer**

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.

### **Adjusting Phases Part 2 (level 2) – Lapenski**

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.

### **Improving Image Quality (level 2) – Lapenski**

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.

### **Film Quality (level 1) – 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.

### **Research Class – Woodfield**

This class explores a history of chiropractic research. As history often repeats itself, knowing past success and failure prevents recurring strategies proven unsatisfactory to the evolution chiropractic research. Knowing this history reveals the conditions surrounding the eventual schism between upper cervical chiropractic and the rest of the profession, allowing for strategies in conduct of successful research investigations. The objectives of the class are to understand the importance of research to the profession, doctor, and patient. To know the major periods in chiropractic history as they relate to research, the significant events of each historical period, and to understand this significance as it relates to chiropractic research.

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### **Digital X-ray – Zabelin**

This class has video screen capture presentations on different aspects of the analysis using Viztek and Kuhnsoft analysis. Focus is on inter- and intra-reliability in Doctors regardless of the system being used. A question and answer session will be available to answer specific questions.

### **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.

### **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.

### **Research Overview – Woodfield**

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.

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

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.

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### **Advanced concepts for: X-ray imaging, analysis and adjusting - Dickholtz**

This class will highlight specific techniques for the upper cervical practitioner addressing the complexity of x-ray imaging, x-ray analysis of normal and miss shape in the structures.

Additional information will be presented regarding specific techniques that will increase the practitioner's performance while adjusting of the C-1 subluxation.

### **Certified Film Review – Dickholtz**

This class will review recently submitted films from field doctors for certification to use as examples to the class of proper film taking and analysis as well as pointing out common errors in the process.