

ChiroHealth Educational Seminars

CHIROHEALTH EDUCATIONAL SEMINARS

PRESENTS...

Randy B. Reed, DC

with

David Seaman, DC, MS, DABCN

and

Guest Speaker

Michael D. Eppig, MD

(Orthopedic Spine Surgeon)

Whiplash - C-Spine Injuries

Nutritional BioChemistry of Spine Injury & Pain



This is a **12** hour Ohio license renewal course that is designed to provide chiropractic physicians with up to date information on diagnostic documentation, biomechanics of Whiplash, and treatment options related to spine, and brain injury from MVA. Improved treatment protocols and the importance of chiropractic and medical consultations to substantiate the patient's case and extent of injuries. Treatment options that will enhance and improve patient outcomes.



SEMINAR LOCATION

ONE DAY SEMINAR

YOUNGSTOWN, OH.

Saturday, January 13, 2018

Courtyard by Marriott

4173 Westford Place, Youngstown-Canfield, OH.

Exit off RT-11 @ RT. 224-Boardman-Canfield Rd.

PH: 330-533-6880

12-HOUR CHIROPRACTIC CE OHIO LICENSE RENEWAL COURSE

SPONSORED BY (NOAC)

NORTHEAST OHIO ACADEMY OF CHIROPRACTIC

GUEST SPEAKER:

Michael D. Eppig, MD

**A Overview: Cervical Disc Implant
Replacement Option:**

Candidates and indications for the disc prosthesis procedure. Disc reconstruction following discectomy, involving C3-C7 levels. Maintaining functional range of motion of the cervical spine. Two-level disc implant indications for use. Prosthesis maintaining cervical range of motion vs. fixed spinal fusion, Outcome studies



(Mobi-C 2 level disc implants)

Registration will be taken at the door. Space is limited to **35** doctors.
PLEASE REGISTER EARLY!

Whiplash – C-Spine

PROGRAM ACCREDITATION:

This course CE hours are accredited through the Northeast Ohio Academy of Chiropractic. For Ohio license renewal hours. 12 CE credit hours.

SEMINAR TIMES:

Saturday Registration Time 7:00 am
Saturday Morning 7:30 am – 12:30 pm
LUNCH ON YOUR OWN 12:30 pm – 1:30 pm
Saturday Afternoon 1:30 pm – 7:30 pm

Complimentary refreshment and snacks will be provided throughout the seminar.

SEMINAR COURSE NOTES will be emailed to registered doctors if you register prior to the seminar date. the Tuesday prior to the seminar. Course notes will be available at the seminar for at the door registrations.

ABOUT THE SPEAKERS:

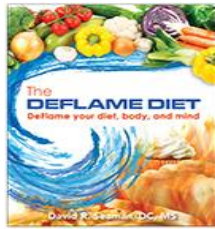
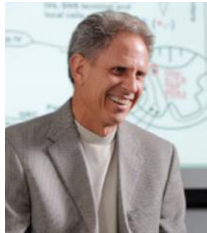
RANDY B. REED, DC



Dr. Reed is a 1985 graduate of Logan College of Chiropractic, Chesterfield, Missouri. He is chiropractic sports physician, Certified in (MUA) Manipulation Under Anesthesia, and has a Masters degree in secondary education from Miami University (Ohio). Dr. Reed has 32 years of clinical experience. His expertise is treating sports injuries and intervertebral disc syndromes with Spinal Decompression Therapy and CORE rehabilitation programs. Dr. Reed has

presented clinical and scientifically based seminars nationwide for both Medical and Chiropractic physician groups.

David Seaman, D.C., MS, DABCN



He is a Past faculty member for NUHS-National's Masters of Science program in Advanced Clinical Practice. And Past faculty of Palmer College –Fla. He is a graduate of Rutgers University and New York Chiropractic

College. He then received a Masters degree in Nutrition from the University of Bridgeport and a diplomate in neurology through Logan College of Chiropractic. Dr. Seaman has authored a book on clinical nutrition for pain and inflammation, and has written several chapters and articles on this topic.

Michael D. Eppig, MD.



Dr. Eppig is a board-certified orthopedic surgeon, certified by the American Board of Orthopedic Surgery. He received his medical training at Case Western Reserve University, 1977. Residency at University Hospitals/ Case Western Reserve University 1979, & 1982. Fellowship from University Hospitals / Case Western Reserve University 1983. His special interest is cervical artificial disc replacement, spine deformities, spinal stenosis, back surgery.

SEMINAR INFORMATION

Dr. Randy Reed

Hour 1 - Normal C-Spine Function

- Functional Anatomy of the Cervical Spine
- Upper Cranio-Cervical Segment
- Cervical Nerves
- Lower Cervical Segments
- Nociceptive Tissue Sites of a Function
- Length of Spinal Canal
- Functional Anatomy of the Vertebral Arteries

Hour 2 -Biomechanics of the Whiplash Syndrome and Resulting Injury

- Sequence of Impact
- Contents of Neck on Impact
- Seatbelts and Shoulder Harness Effects
- What traumatic injuries can patients experience in a motor-vehicle collision and other forms of impact injury?
- What forms of spinal injury can occur in situations with minimal-impact identified and/or there is little or no vehicle damage?
- Uncovertebral Joint Injury
- Ligamentous Injury
- Intervertebral Disc Injury
- Translatory Mechanism
- Denervation Super sensitivity
- Evolution of Spondylosis
- Nociceptor Chemicals
- Cervical Muscle injury

Hour 3 - Exam of Whiplash Patient

- Neck Pain
- Neck Stiffness
- Cervicogenic Headaches
- Intrascapular Pain and Tenderness
- Upper Extremity pain, paresthesia, and weakness
- Dizziness and light headiness
- Cognitive Difficulties
- Tinnitus and Impaired Hearing
- TMJ Pain
- Orthopedic Testing Confirmation

Hour 4/5 -Mild Post-Concussion Syndrome: Brain Injury

- (TBI) Tramatic Brain Injury and The Cervical Spine Involvement
- Clinical Features of TBI
- Six Types of TBI
- Cognitive Difficulty
- When to Refer

Guest Speaker – 11 am. to 12:30 pm.

Dr. Michael D. Eppig

A Overview: Cervical Disc Implant Replacement Option:

! Candidates and indications for the disc prosthesis procedure

! Disc reconstruction following discectomy, involving C3-C7 levels

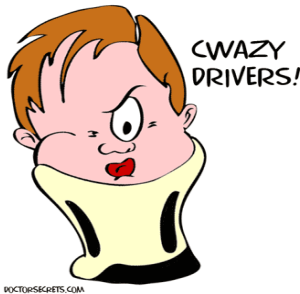
! Maintaining functional range of motion of the cervical spine

- ! Two-level disc implant indications for use
- ! Prosthesis maintaining cervical range of motion vs. fixed spinal fusion
- ! Outcome studies

Dr. David Seaman

Nutritional Biochemistry in relation to Cervical Spine anatomy and Pain syndromes

- Hour 1 – Anatomical structures are made of chemistry
 - a. Movement creates chemistry
 - b. Neurons via chemistry stimulate muscle (made of chemistry) to create movement
- Hour 2 – How nociceptors respond to chemical changes
 - a. Receptors on nociceptor membranes
 - b. Nutrition-derived receptors, nociception, and pain
- Hour 3 – Mediators of inflammation and pain
 - a. Eicosanoids
 - b. Omega-6 fatty acids
 - c. Omega-3 fatty acids
- Hour 4 – Cytokines and pain
 - a. Pro-inflammatory cytokines and nutrition'
 - b. Anti-inflammatory cytokines and nutrition
- Hour 5 – Metabolic syndrome, diabetes, and metalloproteinases
 - a. Disc herniation
 - b. Osteoarthritis
- Hour 6 – Supplements
 - a. Proteolytic enzymes
 - b. Botanicals
 - c. Fish oil
 - d. Magnesium
 - e. Vitamin D



END OF SEMINAR

REGISTRATION INFORMATION

ADMINISTRATIVE INFORMATION:

Course Chairman, Alan L. Palgut, DC
Phone: (440) 449-1020

REGISTRATION INFORMATION:

Registration will only be accepted by the official registration form. Photocopies of the form are acceptable. ChiroHealth Educational Seminars accepts payment in the form of check, cash, MasterCard or Visa.

NO CHECKS WILL BE ACCEPTED FOR AT-THE-DOOR REGISTRATION.

DISCLAIMERS / CANCELLATION & REFUND POLCY

A refund will be granted provided notification is in writing and postmarked no later than 14 days prior to the seminar date. A \$40. service fee will not be refunded. When the program has been concluded as scheduled, but the registrant did not attend nor provide a 14-day cancellation notice, tuition is non-refundable. Any returned NSF check will incur an additional bank charge of \$45. Every attempt is made to offer this program as publicized. However, ChiroHealth Educational Seminars reserves the right to adjust program dates, location, times, instructors, etc. to accommodate unexpected faculty or student needs, and cancel due to insufficient enrollment. For this reason we do not recommend at the door registrations without prior confirmation of the status of this course. Attendance will be LIMITED, call ChiroHealth Educational Seminars at (440) 449-1020. ChiroHealth Educational Seminars is not responsible for any expenses incurred by the registrants due to program adjustments or cancellations. If license renewal credit is needed, please inquire if this course is approved for your state. No additional discounts or seminar transfer voucher/credit fees will apply for this **NOAC Sponsored Seminar**. No seminar transfers will be allowed.

CONFIRMATION

A confirmation will be sent upon receipt of your paid registration either by mail or facsimile. Please allow ample travel time to guarantee on-time arrival. If you are in need of additional directions to the seminar location, please call the hotel listed below for directions or Map Quest the Seminar hotel location for more detailed directions.

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Whiplash – C-Spine Injuries

Nutritional BioChemistry of Spine Injury & Pain

Youngstown-Canfield, Ohio

SATURDAY, January 13, 2018

ChiroHealth Educational Seminars • 12 hours of CE

Name _____
 (Please print your name, as you would like it to appear on CE certificate)

Office Mailing Address _____

City _____

State _____ Zip Code _____

Office Phone#: _____ Cell#: _____

Fax Number _____ Ohio DC Lic # _____

Email Address _____

(This e-mail will be use to send your course notes to you)

***SEMINAR COURSE NOTES** will be e-mailed to registered doctors if you register prior to the seminar . On the TUESDAY prior to the seminar. Course notes will be available at the seminar for at the door registrations ONLY.

TO REGISTER BY MAIL OR FAX:

- Mail complete registration form with payment to:
ChiroHealth Educational Seminars
 P.O.Box 85
 Gates Mills, OH 44040
 Tel: (440) 449-1020
- **Fax** your registration form with complete credit card information to **(440) 449-1568**

TO REGISTER ONLINE

- Go to **www.choh.org**
- Select **Seminars > complete the online registration**

REGISTRATION WILL BE TAKEN AT
 THE DOOR. SPACE IS LIMITED TO
35 DOCTORS.

**PLEASE REGISTER
 EARLY!**

Contact ChiroHealth Educational
 Seminars with questions.
(440) 449-1020

REGISTRATION/FEEES

Registration forms must be postmarked or faxed on or before the pre-registration date to receive the lower fee.

Youngstown-Canfield Seminar – Saturday, January 13, 2018

- \$239.00 Pre-registered on or before December 12, 2017
- \$259.00 Pre-registered on or before January 2, 2018
- \$279.00 Pre-registered on January 3, 2018 or at the door
- \$15.00 Fee for hard copy course notes. (Electronically e-mailed at no charge)

**REGISTER
 EARLY!
 SAVE \$**

PAYMENT METHOD

- Check Enclosed to: **ChiroHealth Educational Seminar**
- MasterCard
- Visa

Account # _____

Exp. Date _____ Security Code _____

(Last three digits of code on back of card)

Name _____ (as printed on the card)

Signature _____

Please copy for your files