

Minimum Requirements for Diplomate Examination

1. A total of 360 hours from a CCE-approved college/university.
2. Up to 10 per cent (36 hours) may be credited based upon course work in a content-related CCE Diplomate program (Imaging, Neurology, Rehab). These hours may not duplicate material completed in the orthopedic program.
3. Up to 24 hours will be credited for an orthopedics review class conducted by a CCE college/university.

NOTICE:

To secure a position for the Academy certification examination, send a Letter of Intent to the Academy office (at least 90 days before the exam date), stating the date and location of the Examination you wish to take. We will then send you a packet of information detailing the requirements, and forms to assist you in obtaining the required documents (application form, transcripts, license information).

On receipt of your application and your check for one-half of the examination fee (\$475 USD), your place in the exam will be secured. Final payment and all required documents must be received at the Academy office no less than 45 days before the exam date.

For more information, call the Academy office at 515-981-9654. Thank you.

James R. Brandt, DC, FACO
President
Academy of Chiropractic Orthopedists

Components of the Exam

There will be 50-60 multiple choice questions (MCQs). Duration will be approximately 1 hour.
The imaging section will consist of 10 cases – approximately 1 hour.
OSCE section will be 4-10 stations totaling approximately 15 minutes per station.

Themes of the examination:

- *History intake
- *Patient assessment:
 - *Physical
 - *Orthopedic
 - *Neurological
 - *Laboratory – orthopedic relevance
 - *Imaging
- *Diagnosis/chiropractic analysis
- *Patient care/management
- *Recommendations
- *Medico/legal issues:
 - *Professional liability
 - * Record documentation
 - *Consultation
 - * HIPAA
 - * Compliance
 - * Expert testimony

MCQs may be built around case history format

- *Anatomy
- *Neurology
- *Orthopedic tests/maneuvers
- *Laboratory – orthopedic relevance
- *Diagnostic imaging
- *Common chiropractic/orthopedic clinical conditions
- *Physical therapeutics
- *Rehabilitation
- *Taping/bracing/supports
- *Medical legal issues

Imaging examination

- * Plain film
- *MRI
- *CT
- *Bone scans
- *Computer images or view box may be presented

Axial skeleton

- *Disc involvement
- *Joint involvement
- *Spinal stenosis
- *Cord injuries
- *Trauma cases
- *Soft tissue involvement
- *Tumors and metastasis
- *Congenital changes
- *Vascular abnormalities

Appendicular skeleton

- *Rib fractures
- *Soft tissue injuries
- *Extremity fracture
- *Joint injuries
- *Ligament injuries
- *Arthritides
- *Tumor lesions
- *Subluxation/dislocation

Chest and Abdomen

- *Pancoast tumor
- *Pneumonia
- *COPD
- *Calcification infiltration in organs
- *Tumors

OSCE Practical

- *4 cases
- *15 minute stations
- *Simulated patient – simulating a clinical condition
- *Examiner in each station

Clinical conditions for the OSCE

- *Disc herniations/tumors (cervical and lumbar)
- *Fibromyalgia
- *Myofascial pain syndrome
- *Arthritides
- *Multiple sclerosis
- *Head trauma from sports
- *Vascular disorders
- *Thoracic outlet
- *Entrapment syndromes
- *Regional pain syndromes
- *Neurological assessment
- *Lyme disease and related conditions
- *Taping/bracing/supports:
 - *Wrist – carpal tunnel
 - *Ankle/foot – sprain, plantar fasciitis
 - *Scapulo-costal bursitis
 - *Vertebral-basilar insufficiency

PREPARATION FOR THE EXAM

The following methods of study and preparation for the certification examination are suggested, but are not limited to:

1. Review Classes offered by a CCE accredited chiropractic college/university
2. Self study from prior class notes with corresponding research and review
 1. Class notes should serve as a guide for study, but it is suggested that you read articles or texts for additional study.
3. Attend classes at a CCE accredited chiropractic college/university offering post-graduate orthopedic classes.
4. Review texts and information on the website book list (see "Reference Material" below). The material to be tested upon will come from the topics listed on the web site.
 1. Note text books with asterisks
5. Study groups
6. Internet

Review Sessions

REVIEW CLASSES:

National University of Health Sciences, Lombard, Illinois
December 2-3, 2006 Lower Body Review
January 13-14, 2007 Upper Body Review

WHO SHOULD ATTEND THE REVIEW SESSIONS:

- Ø Candidates for future Academy Diplomate Exams
- Ø Doctors needing hours to qualify for a future Academy Diplomate Exam
- Ø Academy members who want to do voluntary recredentialing
- Ø Doctors interested in exploring the Academy Orthopedic Diplomate program
- Ø Doctors needing relicensure hours

Reference Material

The following texts are used as reference material for developing the Orthopedic Diplomate Examination

Anatomy

Cramer and Darby; Basic and Clinical Anatomy of the Spine, Spinal Cord, and Autonomic Nervous System, Mosby Publication

History and Physical Examination

Bates and Hoeckelman; A Guide to Physical Examination and History Taking, Lippincott Publication

M. H. Swartz; Textbook of Physical Diagnosis, History and Examination, Saunders Publication, **De Gowan Bedside Diagnosis

Radiology

**Marchiori; Clinical Imaging, Mosby Publication

A. Greenspan; Orthopedic Radiology-A practical Approach, Raven Press Publication

**Yochum and Rowe; Essentials of Skeletal Radiology, Williams and Wilkins Publication

Stoller; Magnetic Resonance Imaging in Orthopedics and Sports Medicine, Lippincott Publication

Kaplan; Musculoskeletal MRI, Saunders Publication

Berquist; MRI of the Musculoskeletal System, Lippincott Publication

Gewiler, Osborne and Becker; The Radiology of Vertebral Trauma, Saunders Publication

Rehabilitation

Wilmore and Costil; Physiology of Sport and Exercise, Human Kinetics Publication

Brotzman and Wilk; Clinic Orthopedic Rehabilitation, Mosby Publication

Liebenson; Rehabilitation of the Spine – A Practitioner’s Manual, Lippincott Publication

Reid; Sports Injury Assessment and Rehabilitation, Churchill and Livingstone Publication

Athletic Training and Sports Medicine, American Academy of Orthopaedic Surgeons Publication

Sullivan and Markos; Clinical Decision Making in Therapeutic Exercise, Appleton and Lange Publication

Travell and Simons; Myofascial Pain and Syndrome – The Trigger Point Manual, Williams and Wilkins Publication

Anderson and Hall; Fundamentals of Sports Injury Management, Williams and Wilkins Publication

Neurology

Durrant and True; Myelopathy, Radiculopathy, and Peripheral Entrapment Syndromes, CRC Press Publication

Goetz and Pappert; Textbook of Clinical Neurology, Saunders Publication

A.F. Haerer; DeJong’s the Neurologic Examination, Aspen Publication

J. S. Ferezy; The Neurological Examination, Aspen Publication

Aminoff, Greenberg and Simon; Clinical Neurology, Appleton and Lange Publication

S. G. Waxman; Correlative Neuroanatomy, Appleton and Lange Publication

**Patten; Neurological Differential Diagnosis, Springer-Verlag Publication, New York

Wilson-Pauwels, Akesson, Stewar; Cranial Nerves-Anatomy and Clinical Comments, BC Decker Publication,

Clinical Oriented Anatomy, Williams & Wilkins Publications

Clinical Anatomy, John Wiley & Sons Publication

Adams and Ropper; Principles of Neurology, McGraw-Hill Publication

Noback, Strominger and Demarest; The Human Nervous System, Williams & Wilkins Publication

Kandel, Schwartz and Jessel; Principles of Neural Science, Elsevier Publication

Orthopedic Testing

**Evans; Illustrated Orthopedic Physical Assessment, Mosby Publication

Gerard and Kleinfield; Orthopedic Testing, Churchill and Livingstone Publication

Miller; Review of Orthopaedics, Saunders Publication

Magee; Orthopaedic Physical Assessment, Saunders Publication

L. Mercier; Practical Orthopedics, Mosby Publication

Differential Diagnosis/Management

Foreman and Croft; Whiplash Injuries-Cervical Acceleration/Deceleration Syndrome, Williams and Wilkins Publication

Greenstein; Clinical Assessment of Neuromusculoskeletal Disorders, Mosby Publications

Kirkaldy-Willis; Managing Low Back Pain, Williams and Wilkins Publication

Cox; Low Back Pain – Mechanism, Diagnosis and Treatment, Williams and Wilkins Publication

Hardy; Lumbar Disc Disease, Raven Publication

Hammer; Functional Soft Tissue Examination and Treatment by Manual Methods, Aspen Publication

Souza; Differential Diagnosis for the Chiropractor, Aspen Publication

Katz; Diagnosis and Management of Rheumatic Diseases, Lippincott Publication

Blacklow; MacBryde's – Signs and Symptoms, Lippincott Publication

Cailliet; Neck and Arm Pain, FA Davis Publication

Cailliet; Low Back Pain, FA Davis Publication

Cailliet; Shoulder Pain, FA Davis Publication

Cailliet; Soft Tissue Pain and Disability, FA Davis Publication

Adams and Hamblen; Outline of Orthopaedics, Churchill Livingstone Publication

Borenstein and Wiesel; Low Back Pain, Saunders Publication

Lawrence; Fundamentals of Chiropractic Diagnosis and Management, Williams and Wilkins Publication

Bullough; Orthopedic Pathology – with Clinical and Radiographic Correlations, Gower Medical Publishing

Grieve; Common Vertebral Joint Problems, Churchill and Livingstone Publication

Pediatric

Behrman, Kliegman and Arvin; Nelson Textbook of Pediatrics, Saunders Publication

Plaughter; Pediatric Chiropractic, Williams and Wilkins Publication

Chiropractic Legal/Ethics/Record Documentation

Harrison; Chiropractic Practice Liability, International Chiropractors Association Publication

Foreman, Stahl and Sportelli, Medical Legal Issues in Chiropractic, Practice Makers Products Publication

Guides to the Evaluation of Permanent Impairment, American Medical Association Publication

Scott; Legal Aspects of Documenting Patient Care, Aspen Publication

Pozgar; Legal Aspects of Health Care Administration, Aspen Publication

Miscellaneous

White and Panjabi; Clinical Biomechanics of the Spine, Lippincott Publication

Bergman, Peterson and Lawrence; Chiropractic Technique, Churchill Livingstone Publication

S. R. Williams; Nutrition and Diet Therapy, Mosby Publication

Junghans; Clinical Implications of Normal Biomechanical Stresses on Spinal Function, Aspen Publication

Cotran, Kumar and Robbins; Robbins' Pathologic Basis of Disease, Saunders Publication

Coe and Favus; Disorders of Bone and Mineral Metabolism, Raven Publications

Greenspan; Basic and Clinical Endocrinology, Appleton & Lange Publication

Baum, Gatchell and Krantz; An introduction to health psychology, McGraw-Hill Publication

Fauci, Braunwald, Isselbacher, Wilson, Martin, Kasper, Sauser and Longo; Harrison's Principles of

Internal Medicine

McGraw-Hill Publication

Guyton and Hall; Textbook of Medical Physiology, Saunders Publication

**Pecinia – Overuse injuries, Pecinia entrapment syndromes

The books asterisked () are recommended for your library. If you have any of the additional books you will have a good basis for review.