

NEUROLOGY DIPLOMATE PROGRAM
Joseph S. Ferezy, D.C.
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NEUROLOGY DIPLOMATE COURSE SYLLABUS
Palmer College Campus 2011

Session I - 15 Hours

J.S. Ferezy, D.C.

TITLE:

Introduction to Chiropractic Neurology: Clinical Neuroanatomy and Functional Neurology

SUBJECTS:

Introduction to chiropractic neurology
 Anatomy of the skull and spine
 Video dissection of the cervical spine.
Cerebral cortex
Extrapyramidal system
 meninges art/vein csf
 Basal Ganglia
 Thalamus
 Hypothalamus
 Reticular system
 Midbrain (mesencephalon)
 Medulla oblongata
 Cerebellum
 Spinal cord
Spinal Cord Syndromes
Meninges
 Arterial and venous CNS circulation
 Cerebrospinal fluid production and circulation

Session II - 15 Hours

TITLE:

Neuroanatomy, Nerve and Muscle Physiology and Aspects of Electrodiagnosis

SUBJECTS:

Microscopic Neuroanatomy and Physiology of Nerve and Muscle
Electrodiagnosis
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session III - 15 Hours (3 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination: Overview and Important Points

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SUBJECTS:

The Patient Interview
Mental Status Examination
Physical Evaluation of the Head, Face and Neck
Aspects of Functional versus Organic Illness
Ophthalmoscopy
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session IV - 15 Hours (2 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination: Cranial Nerves, Cervical Manipulation and Stroke: The Facts

SUBJECTS:

The Cranial Nerves - Clinical Discussion
The Ocular System
Chiropractic Cervical Adjustments and Stroke: The Facts
Video Lab - Chiropractic Cervical Adjustments and Stroke
Informal Discussion
Grand Rounds
Legal Considerations
Practicum

Session V - 15 Hours (2 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination: The Study of Movement

SUBJECTS:

The Somatic Motor System
Reflexes
Involuntary Movements and Non-Paralytic Movement Disorders
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session VI - 15 Hours (2 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination: The Study of Sensory Systems and Balance Mechanisms

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SUBJECTS:

Sensory Systems
Cerebellar Systems
Grand Rounds
Video Laboratory
Informal Discussion
Legal Considerations
Practicum

Session VII - 15 Hours

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TITLE:

The Chiropractic/Neurological Examination: The Complete Neurological Examination

SUBJECTS:

Complete Practical Neurological Examination
Video Laboratory
Informal Discussion
Legal Considerations
Practicum

Session VIII - 15 Hours

TITLE:

Neurological Considerations in Pain and Spinal Subluxation

SUBJECTS:

Neurological Considerations in Pain and Spinal Subluxation
Aspects of Pain and Spinal Subluxation
Informal Discussion
Legal Considerations
Practicum

Session IX - 15 Hours (2 hours Risk Management)

Joseph S. Ferezy, D.C.

TITLE:

Understanding Electrodiagnosis

SUBJECTS:

Terminology in Electrodiagnosis
Electrodiagnosis
 Terminal Motor Latencies
 Motor and Sensory Conduction Velocities
Clinical Rotations
Grand Rounds

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Electromyography
Brainstem Auditory Evoked Responses (BAERS)
Visual Evoked Potentials
Somatosensory Evoked Potentials
Dermatomal Evoked Potentials
Informal Discussion
Legal Considerations
Practicum

Session X - 15 Hours (2 hours Risk Management)

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TITLE:

Neuropathology: Tumors and Infection of the Nervous System

SUBJECTS:

Recognizing AIDS, Lyme and other Infectious Disease of the CNS in Chiropractic Practice
Recognizing Tumors involving the Central Nervous System in Chiropractic Practice
Central Nervous System Neoplasia
Tumors of the Spinal Canal and how to Avoid Pitfalls of Clinical Diagnosis
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session XI - 15 Hours (2 hours Risk Management)

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TITLE:

Neuropathology Congenital, Developmental, Degenerative and Demyelinating Diseases of the Nervous System

SUBJECTS:

Congenital and Developmental Neurological Disease
Recognizing ALS, MS and other Degenerative and Demyelinating CNS Disease's
Toxic, Metabolic and Nutritional Disorders Effecting the CNS, and Relation to Chiropractic Practice
Informal Discussion
Legal Considerations
Practicum
Grand Rounds

Session XII - 15 Hours (2 hours Risk Management/2 hours Abuse Recognition/2 hours Professional Boundaries)

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TITLE:

Neuropathology: Pediatric Neurology, Geriatric Neurology, Nervous System Trauma, Disorders of Consciousness and Psychiatric Considerations.

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SUBJECTS:

CNS Trauma
Pediatric Neurology – Abuse Recognition & Professional Boundaries
Pediatric & Geriatric Neurology
Geriatric Neurology
Grand Rounds
Disorders of Consciousness
Psychiatric Considerations
Informal Discussion
Legal Considerations
Practicum

Session XIII - 15 Hours (2 hours Risk Management/2 hours Abuse Recognition/2 hours Professional Boundaries)

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TITLE:

Neuropathology: The Peripheral Nervous System and Neuromyal Junction.

SUBJECTS:

The Peripheral Nervous System
The Neuromyal Junction
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session XIV – 15 Hours (2 hours Risk Management)

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TITLE:

Chiropractic Technique, Subluxation and Related Biomechanical Principles

SUBJECTS:

Chiropractic Technique
Chiropractic Technique Concludes
Principles of Biomechanics/Subluxation
Ancillary Therapeutics
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session XV – 15 Hours (2 hours Risk Management)

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TITLE:

Functional Aspects of Neurological Disease

SUBJECTS:

Functional Aspects of Neurological Disease
Acute and Chronic Pain: Neuropathic Pain Assessment and Management
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session XVI - 15 Hours (2 hours Risk Management)

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TITLE

Headache, Dizziness and Facial Pain

SUBJECTS:

Headache
Dizziness
Facial Pain
Grand Rounds
Informal Discussion
Legal Considerations
Practicum

Session XVII - 15 Hours (2 hours Risk Management)

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TITLE

Considerations In Management of Lumbar IVD Disease

SUBJECTS:

Grand Rounds
Lower Back Pain and Discopathy
Research Review
Informal Discussion
Legal Considerations
Practicum

Session XVIII - 15 Hours (2 hours Risk Management)

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TITLE:

Physical Diagnosis, Endocrinology and Autonomic Neurology

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SUBJECTS:

The Peripheral Vascular System
Autonomic Neurology
Thyroid
Lymphatic System
Thorax
Abdomen
Grand Rounds
External Eye
External Eye Disease and Management
Internal Eye
Nose and Paranasal Sinuses
The Ear
Oral Cavity
Pharynx
Informal Discussion
Legal Considerations
Practicum

Session XIX - 15 Hours (2 hours Risk Management)

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TITLE:

Diagnostic Imaging

SUBJECTS:

Principles of Neuroradiology
Plain Film Radiology of the Spine
CT Scans
Grand Rounds
MRI/MRA
Angiography
PET Scan
Diagnostic Ultrasoundography
Other Techniques of Diagnostic Imaging
Informal Discussion
Legal Considerations
Practicum

Session XX - 15 Hours (1 hours abuse recognition/1hr boundaries/3 hours Risk Management)

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TITLE:

Other Aspects of Clinical Neurology
Final Exam Review
Final Examination
IBCN Examination

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SUBJECTS:

Interprofessional relationships
The Case Report
Depositions and Court Appearances
Recording Keeping and Outcome Assessment
Professional Boundaries/Ethics
Neurologic Referrals of Chiropractic Patients
Child and Adult Dependant Abuse
How to Work Effectively With Lawyers – (Guest Lecturer)
Neurology Course Overview and Review
Neurology Course Overview and Review Continues
Neurology Course Overview and Review Continues
Class Written Final Examination
Neurology Practical Examination - Legal Considerations
Neurology Practical Examination