

NEUROLOGY DIPLOMATE PROGRAM
Joseph S. Ferezy, D.C.

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NEUROLOGY DIPLOMATE COURSE SYLLABUS

Session I - 12 Hours (3 hours x-ray)

J.S. Ferezy, D.C.

TITLE:

Introduction to the Chiropractic Neurology Diplomate Program
Clinical Neuroanatomy and Functional Neurology

SUBJECTS:

Day One:

11:00 AM	Introduction to the Chiropractic Neurology Diplomate Program
12:30 PM	Informal Discussion
01:00 PM	Clinical Neuroanatomy and Functional Neurology <ul style="list-style-type: none">• Cerebral cortex• Extrapyramidal system• Basal Ganglia• Thalamus
02:00 PM	Break
04:00 PM	Hypothalamus Reticular system Midbrain (mesencephalon)
04:00 PM	Break
04:30 PM	Hypothalamus Reticular system Midbrain (mesencephalon) – (Continued)
07:00 PM	Day One Adjourns

Day Two:

08:30 AM	Pons Medulla oblongata Cerebellum
11:00 AM	Informal Discussion
11:30 AM	Spinal cord Meninges Arterial and venous CNS circulation Cerebrospinal fluid production and circulation
01:30 PM	Break
02:00 PM	Class Review
03:30 PM	Day Two Adjourns

Session II - 24 Hours *1A (3 hours x-ray/3 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination
Chiropractic Cervical Adjustments and Stroke: The Facts

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SUBJECTS:

Day One:

11:00 AM The Patient Interview
12:30 PM Informal Discussion
01:30 PM Mental Status Examination
Aspects of Functional versus Organic Illness
04:00 PM Break
04:10 PM Physical Evaluation of the Head, Face and Neck
06:00 PM Break
06:10 PM Ophthalmoscopy
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM The Cranial Nerves - Clinical Discussion
The Ocular System
Concepts of Upper and Lower Motor Neurons
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Chiropractic Cervical Adjustments and Stroke: The Facts – Legal Considerations
11:45 AM Lunch Break
12:40 PM Practical Ophthalmoscopy
01:30 PM Conclude Chiropractic Cervical Adjustments and Stroke: The Facts
Quiz #2
02:30 PM Day Three Adjourns

Session III - 24 Hours *1B (3 hours x-ray/2 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination

SUBJECTS:

Day One:

11:00 AM The Somatic Motor System
12:30 PM Informal Discussion
01:30 PM Somatic Motor System Concludes
04:00 PM Break
04:10 PM Reflexes
06:00 PM Break
06:10 PM Reflexes Concludes
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Reflexes Concludes
07:00 PM Day Two Adjourns

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Day Three:

08:30 AM Motor and Reflex Exam
09:30 AM Break
09:45 AM Video Lab - Chiropractic Cervical Adjustments and Stroke
10:45 AM Involuntary Movements and Non-Paralytic Movement Disorders
11:45 AM Lunch Break
12:40 PM Complete Neurological Examination
Quiz #3
Legal Considerations
02:30 PM Day Three Adjourns

Session IV - 24 Hours *1C (3 hours x-ray/2 hours Risk Management)

J.S. Ferezy, D.C.

TITLE:

The Chiropractic/Neurological Examination
Aspects of Pain and Spinal Subluxation

SUBJECTS:

Day One:

11:00 AM Sensory Systems
12:30 PM Informal Discussion
01:30 PM Sensory Systems Continues
04:00 PM Break
04:10 PM Sensory Systems Concludes
06:00 PM Break
06:10 PM Cerebellar Systems
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Cerebellar Systems
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Neurological Considerations Pain and Spinal Subluxation
09:30 AM Break
09:45 AM Neurological Considerations Pain and Spinal Subluxation
11:45 AM Lunch Break
12:40 PM Practical Neurological Examination
Video Laboratory
Quiz #4
Legal Considerations
02:30 PM Day Three Adjourns

Session V - 24 Hours *1D (3 hours x-ray/2 hours Risk Management)

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TITLE:

Complete Neurological Examination

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SUBJECTS:

Day One:

11:00 AM Review Cranial Nerve, Sensory Systems Motor Systems, Reflex Systems and Cerebellar Systems
12:30 PM Informal Discussion
01:30 PM Review Cranial Nerve, Sensory Systems Motor Systems, Reflex Systems and Cerebellar Systems
04:00 PM Break
04:10 PM Review Cranial Nerve, Sensory Systems Motor Systems, Reflex Systems and Cerebellar Systems
06:00 PM Break
06:10 PM Review Cranial Nerve, Sensory Systems Motor Systems, Reflex Systems and Cerebellar Systems
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Review Cranial Nerve, Sensory Systems Motor Systems, Reflex Systems and Cerebellar Systems
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Video Laboratory
09:30 AM Break
09:45 AM Video Laboratory
11:45 AM Lunch Break
12:40 PM Practical Neurological Examination
Quiz #5
Legal Considerations
02:30 PM Day Three Adjourns

Session VI - 24 Hours *2A (3 hours x-ray)

Joseph S. Ferezy, D.C.

TITLE:

Neuroanatomy
Nerve and Muscle Physiology
Aspects of Electrodiagnosis

SUBJECTS:

11:00 AM Microscopic Neuroanatomy and Physiology of Nerve and Muscle
12:30 PM Informal Discussion
01:30 PM Microscopic Neuroanatomy and Physiology of Nerve and Muscle Continues
04:00 PM Break
04:10 PM Microscopic Neuroanatomy and Physiology of Nerve and Muscle Concludes
06:00 PM Break
06:10 PM Electrodiagnosis
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Electrodiagnosis Continues
07:00 PM Day Two Adjourns

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Day Three:

08:30 AM Electrodiagnosis Laboratory
09:30 AM Break
09:45 AM Video Laboratory
11:45 AM Lunch Break
12:40 PM Review Complete Neurological Examination
Quiz #6
02:30 PM Day Three Adjourns

Session VII - 24 Hours *3A (3 hours x-ray/2 hours Risk Management)

Joseph S. Ferezy, D.C.

TITLE:

Neuropathology I

SUBJECTS:

Day One:

11:00 AM Recognizing AIDS, Lyme and other Infectious Disease of the CNS in Chiropractic Practice
12:30 PM Informal Discussion
01:30 PM Recognizing Tumors involving the Central Nervous System in Chiropractic Practice
04:00 PM Break
04:10 PM Central Nervous System Neoplasia (cont)
06:00 PM Break
06:10 PM Tumors of the Spinal Canal and how to Avoid Pitfalls of Clinical Diagnosis
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations and/or Video Patients
12:00 PM Informal Discussion
01:00 PM Grand Rounds and/or Video Patients
04:00 PM Break
04:30 PM Congenital and Developmental Neurological Disease
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Recognizing ALS, MS and other Degenerative and Demyelinating CNS Disease's
09:30 AM Break
09:45 AM Toxic, Metabolic and Nutritional Disorders Effecting the CNS, and Relation to Chiropractic Practice
11:45 AM Lunch Break
12:40 PM Toxic, Metabolic and Nutritional Disorders Effecting the CNS Concludes
Video Lab
Quiz #7
Legal Considerations
02:30 PM Day Three Adjourns

Session VIII - 24 Hours *3B (3 hours x-ray/2 hours Risk Management/2 hours Abuse Recognition/2 hours Professional Boundaries)

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TITLE:

Neuropathology II

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SUBJECTS:

Day One:

11:00 AM CNS Trauma
12:30 PM Informal Discussion
01:30 PM Pediatric Neurology – Abuse Recognition & Professional Boundaries
04:00 PM Break
04:10 PM Pediatric & Geriatric Neurology
06:00 PM Break
06:10 PM Geriatric Neurology
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Disorders of Consciousness
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Psychiatric Considerations
09:30 AM Break
09:45 AM The Peripheral Nervous System
11:45 AM Lunch Break
12:40 PM The Neuromyal Junction
Primary Myopathy
Video Lab
Quiz #8
Professional Boundaries
02:30 PM Day Three Adjourns

Session IX – 24 Hours *4A (3 hours x-ray/2 hours Risk Management)

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TITLE:

Chiropractic Technique, Subluxation and Related Biomechanical Principles
Functional Aspects of Neurological Disease

SUBJECTS:

Day One:

11:00 AM Chiropractic Technique
12:30 PM Informal Discussion
01:30 PM Chiropractic Technique
04:00 PM Break
04:10 PM Chiropractic Technique Concludes
06:00 PM Break
06:10 PM Principles of Biomechanics/Subluxation
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds

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04:00 PM Break
04:30 PM Functional Aspects of Neurological Disease
07:00 PM Day Two Adjourns
Day Three:
08:30 AM Acute and Chronic Pain: Assessment and Management
09:30 AM Break
09:45 AM Acute and Chronic Pain: Assessment and Management - Concludes
11:45 AM Lunch Break
12:40 PM Ancillary Therapeutics
Video Laboratory
Quiz #9
Legal Considerations
02:30 PM Day Three Adjourns

Session X - 24 Hours *4B (3 hours x-ray/2 hours Risk Management)

Joseph S. Ferezy, D.C.

TITLE

Headache, Dizziness and Facial Pain
Considerations In Management of Lumbar IVD Disease
Pain

SUBJECTS:

Day One:

11:00 AM Headache
12:30 PM Informal Discussion
01:30 PM Headache - Continues
04:00 PM Break
04:10 PM Headache - Continues
06:00 PM Break
06:10 PM Headache - Concludes
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Lower Back Pain and Discopathy
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Disorders Presenting with Dizziness
09:30 AM Break
09:45 AM Palpation/Therapy Laboratory
11:45 AM Lunch Break
12:40 PM Flexion/Distracton Therapy
Clinical Aspects of Pain
Quiz #10
Legal Considerations
02:30 PM Day Three Adjourns

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Session XI - 24 Hours

***1E (3 hours x-ray/2 hours Risk Management)**

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TITLE:

Physical Diagnosis
Endocrinology
Autonomic Neurology

SUBJECTS:

Day One:

11:00 AM The Peripheral Vascular System
12:30 PM Informal Discussion
01:30 PM Autonomic Neurology
04:00 PM Break
04:10 PM Thyroid
Lymphatic System
06:00 PM Break
06:10 PM Thorax
Abdomen
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM External Eye
External Eye Disease and Management
Internal Eye
07:00 PM Day Two Adjourns

Day Three:

08:00 AM Nose and Paranasal Sinuses
09:30 AM Break
09:45 AM The Ear
Oral Cavity
Pharynx
11:45 AM Lunch Break
12:40 PM Clinical Laboratory
Video Laboratory
Quiz #11
Legal Considerations
02:30 PM Day Three Adjourns

Session XII - 24 Hours

***2B (3 hours x-ray/2 hours Risk Management)**

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TITLE:

Electrodiagnosis

SUBJECTS:

Day One:

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11:00 AM Terminology in Electrodiagnosis
12:30 PM Informal Discussion
01:30 PM Electrodiagnosis
04:00 PM Break

04:10 PM Terminal Motor Latencies
06:00 PM Break
06:10 PM Motor and Sensory Conduction Velocities
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM Electromyography
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Brainstem Auditory Evoked Responses (BAERS)
Visual Evoked Potentials
09:30 AM Break
09:45 AM Somatosensory Evoked Potentials
Dermatomal Evoked Potentials
11:45 AM Lunch Break
12:40 PM Video Laboratory
Quiz #12
Legal Considerations
02:30 PM Day Three Adjourns

Session XIII - 24 Hours *5A (13 hours x-ray/2 hours Risk Management)

Joseph S. Ferezy, D.C.

TITLE:

Diagnostic Imaging

SUBJECTS:

Day One:

11:00 AM Principles of Neuroradiology
12:30 PM Informal Discussion
01:30 PM Principles of Neuroradiology
04:00 PM Break
04:10 PM Plain Film Radiology of the Spine
06:00 PM Break
06:10 PM CT Scans
07:00 PM Day One Adjourns

Day Two:

09:00 AM Clinical Rotations
12:00 PM Informal Discussion
01:00 PM Grand Rounds
04:00 PM Break
04:30 PM MRI/MRA
07:00 PM Day Two Adjourns

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Day Three:

08:30 AM Angiography
09:30 AM Break
09:45 AM PET Scan
 Diagnostic Ultrasoundography

11:45 AM Informal Discussion
12:40 PM Other Techniques of Diagnostic Imaging
 Quiz #13
 Legal Considerations
02:30 PM Day Three Adjourns

Session XIV - 24 Hours (3 hours x-ray, 2 hours abuse/boundaries/3 hours Risk Management)

Joseph S. Ferezy, D.C.

TITLE:

Other Aspects of Clinical Neurology
Final Exam Review
Final Examination

SUBJECTS:

Day One:

11:00 AM Interprofessional relationships
 The Case Report
 Depositions and Court Appearances
12:30 PM Informal Discussion
01:30 PM Recording Keeping and Outcome Assessment
 Professional boundaries
04:00 PM Break
04:10 PM Neurologic Referrals of Chiropractic Patients
 Child and Adult Dependant Abuse
06:00 PM Break
06:10 PM How to Work Effectively With Lawyers – (Guest Lecturer)
07:00 PM Day One Adjourns

Day Two:

09:00 AM Neurology Course Overview and Review
12:00 PM Informal Discussion
01:00 PM Neurology Course Overview and Review Continues
04:00 PM Break
04:30 PM Neurology Course Overview and Review Continues
07:00 PM Day Two Adjourns

Day Three:

08:30 AM Class Written Final Examination
10:00 AM Break
10:30 AM Neurology Practical Examination - Legal Considerations
11:45 AM Informal Discussion
12:40 PM Neurology Practical Examination
02:30 PM Day Three Adjourns - Neurology Class Concludes

OPTIONAL AND/OR ALTERNATIVE SESSIONS

Session XV - 24 Hours

TBD

TITLE:

Practical Anatomy and Neuroanatomy: A Clinical Correlation Using Human Cadaver Dissection

SUBJECTS:

Day One: 11:00 AM – 7:00 PM

11:00 AM The Back
 a. Skin and Subcutaneous Structures
 b. Paraspinal Musculature
 c. The Bony Spine
1:00 PM Break – Informal Discussion
1:50 PM Subject Continued
3:00 PM The Pelvic Girdle
3:50 PM Break – Informal Discussion
4:00 PM The Lower Extremities
4:50 PM Break – Informal Discussion
5:00 PM The Shoulder Girdle
5:50 PM Break – Informal Discussion
6:00 PM The Upper Extremities
7:00 PM Day One Concludes

SATURDAY: 9:00 AM – 7:00 PM

9:00 AM The Head
9:50 AM Break – Informal Discussion
10:00 AM The Brain and Cranial Nerves
12:30 PM Break – Informal Discussion
1:50 PM The Neck and Autonomic Nervous System
3:50 PM Break – Informal Discussion
4:00 PM The Thorax
4:50 PM Break – Informal Discussion
5:00 PM The Abdomen
5:50 PM Break – Informal Discussion
6:00 PM The Pelvis
7:00 PM Day Two Concludes

SUNDAY: 8:30 AM 2:30 PM

8:30 AM The Spinal Cord
10:20 AM Break – Informal Discussion
10:30 AM The Cervical Plexus
11:20 AM Break – Informal Discussion
11:30 AM The Brachial Plexus
12:50 PM Break – Informal Discussion
1:00 PM The Lumbosacral Coccygeal Plexus
2:30 PM Conclude Day Three

NOTE: Doctors Must Pay An Additional \$65.00 Lab Materials Fee to Include a Lab Coat or Scrubs.

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Session XVI - 24 Hours (4 hours x-ray)

Joseph S. Ferezy, D.C.

TITLE:

Rotations in clinical neurology, radiology, and neurosurgery.

SUBJECTS:

Day One:

8:00 AM Clinical Rotations with Neurologist/Radiologist/Neurosurgeon or Orthopedic surgeon
History, Examination, Assessment, Therapy, Record Keeping/Reporting
11:00 PM Grand Rounds Discussion – Radiology
01:00 PM Clinical Rotations with Chiropractic Neurologist
History, Examination, Assessment, Therapy
06:00 PM Day One Adjourns

Day Two:

8:00 AM Clinical Rotations Continue
History, Examination, Assessment, Therapy, Record Keeping/Reporting
11:00 PM Grand Rounds Discussion
01:00 PM Clinical Rotations Continue
History, Examination, Assessment, Therapy, Record Keeping/Reporting
06:00 PM Day Two Adjourns

Day Three:

8:00 AM Clinical Rotations Complete
History, Examination, Assessment, Therapy, Record Keeping/Reporting
12:00 PM Day Three Adjourns

*1A-D – “Neurological Diagnosis” - Complete two sessions for 48 hour Certificate of Completion.

*1 A-D – “Advanced Neurological Diagnosis” Complete all four session for a 96 hour Certificate of Completion.

*1E – Add to above for a certificate in “Physical/Neurological Diagnosis” for a total of 72 hours and “Advanced Physical/Neurological Diagnosis” for a total of 120 hours.

*2A,B – “Neurophysiology and Electrodiagnosis” – Complete one session for 24 hour Certificate of Completion or two for 48 hour Certificate of Completion.

*3 A,B – “Neuropathology” – Complete two sessions for 48 hour Certificate of Completion.

*4A,B – “Clinical Chiropractic Neurology” - Complete two sessions for 48 hour Certificate of Completion.

*5A – “Neuroradiology” - Complete one session for 24 hour Certificate of Completion.