

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"><li>• Cerebral cortex</li><li>• Extrapyramidal system</li><li>• Basal Ganglia</li><li>• Thalamus</li></ul> |
| 02:00 PM | Break   |
| 04:00 PM | Hypothalamus<br>Reticular system<br>Midbrain (mesencephalon)  |
| 04:00 PM | Break   |
| 04:30 PM | Hypothalamus<br>Reticular system<br>Midbrain (mesencephalon) – (Continued)  |
| 07:00 PM | Day One Adjourns  |

Day Two:

|          |  |
|----------|--|
| 08:30 AM | Pons<br>Medulla oblongata<br>Cerebellum  |
| 11:00 AM | Informal Discussion  |
| 11:30 AM | Spinal cord<br>Meninges<br>Arterial and venous CNS circulation<br>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)**

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***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 Beak  
12:40 PM Review Complete Neurological Examination  
Quiz #6  
02:30 PM Day Three Adjourns

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

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***TITLE:***

Electrodiagnosis

***SUBJECTS:***

Day One:

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 Beak  
12:40 PM Video Laboratory  
Quiz #12  
Legal Considerations  
02:30 PM Day Three Adjourns

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

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***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 Practure  
11:45 AM Lunch Beak  
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 IX - 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

***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:

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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 X – 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  
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

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02:30 PM Day Three Adjourns

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

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***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  
09:45AM 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

**Session XII - 24 Hours \*1E (3 hours x-ray/2 hours Risk Management)**

J.S. Ferezy, D.C.

***TITLE:***

Physical Diagnosis  
Endocrinology  
Autonomic Neurology

***SUBJECTS:***

Day One:

11:00 AM The Peripheral Vascular System  
12:30 PM Informal Discussion

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

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***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

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07:00 PM Day Two Adjourns  
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.