

Table 1

Job Analysis of Chiropractic Neurology 2002

	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Basal Ganglion					
Movement Disorders	3(56%)	Y	1	N	A
Basal Ganglion	4	Y	1	N	A
Brain Stem					
VBI	1(74%)	Y	1(66%)	Y(62%)	A
Brain Stem Syndromes	3(71%)	Y	1	N	A
Dizziness/Vertigo	4	Y	1	N	A
Vertigo	4	Y	1	N	A
Cerebellum					
Ataxia	3(54%)	Y	1	N	B
Cerebellum Disorders	4	Y	1	N	A
Cerebrum					
Ataxia	3(54%)	Y	1	N	B
CVA/Stroke	3(56%)	Y	1	N	B
Dementia	3(69%)	Y	1	N	A
Epilepsy	1(67%)	Y	1(61%)	Y(52%)	B
Disorders of Attention	3(61%)	Y	1	N	B
ADHD	4(66%)	Y	1	N	A
Psychological Disorder	3(54%)	Y	1	N	B
Disorder Cerebral Cortex	4	Y	1	N	A
Speech Pathology	2(50%)	Y	1(54%)	N(60%)	B
ALS/MS/Parkinson's Diseases	3	Y	1(68%)	Y(58%)	A
Pituitary Disorder	1(61%)	Y(66%)	0	Y	C
Headaches	4	Y	1	N	A
Clinical Applications					
	<u>Importance</u>	<u>Risk</u>			<u>Teaching Rating</u>
ID Conditions From Case History	4	Risk 4			A
Update Change of Condition	4	Risk 4			A
X-Ray/Lab/Ref from Ortho/Neuro	4	Risk 4			A
X-Ray Patient Not Responding	3(64%)	Risk 2(70%)			B
Referral For Bone Scan	4(73%)	Risk 4			A
Relate Finding to a Process	4	Risk 4			A
Use Unique Chiropractic Instruments	0	Risk 0			D
Treatment Other Than Adjustments	4	Risk 4			A
Modify Treatment	4	Risk 4			A
Consultant for MD/DO	2(48%)	Risk 4			B
New Patient History	4	Risk 4			A
Spin/Rotation Chair	4	Risk 4			A

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Clinical Applications	<u>Importance</u>	<u>Risk</u>	<u>Teaching Rating</u>
Patient's Health by Examination	4	Risk 4	A
Orthopedic Neurological Examination	4	Risk 4	A
Subluxation by X-Ray	0	Risk 0	D
Refer for MRI/CT	4	Risk 4	A
Confirm Dx. by Lab Tests	3(70%)	Risk 4(67%)	B
Joint Examination	4(35%)	Risk 0(61%)	B
Adjunctive Therapy Indications	4	Risk 4	A
Consultant for other DC's	3(37%)	Risk 4	A
Focused History to Guide Exam	4	Risk 4	A
Regional Examinations	0(40%)	No Risk(53%)	C
Periodic Ortho/Neuro Exam	4	Risk 4	A
X-Ray Est Pt With New Condition	2(36%)	Risk 1 (31%)	C
Diff Dx Life Threatening vs. Benign	4	Risk 4	A
Care Determined by Examination	0	No Risk	D
Refer to non MD/DC/DO	0(69%)	No Risk	D
Encourage Lifestyle Changes	4	Risk 4	A
Consultant for 3rd Party	3(41%)	Risk 2(38%)	C
Determine E&M from Case History	4(28%)	Risk 1(51%)	B
SOAP notes all Visits	4	Risk 4	A
Re-examine Periodically	4	Risk 4	A
Ortho/Neuro Examinations	4	Risk 4	A
X-Ray NP	3(32%)	Risk 1(31%)	B
X-Ray Diagnosis	4	Risk 2(61%)	B
X-Ray Prognosis	0	Risk 0	D
Blood/UA in Office	0(49%)	Risk 0	C
Refer for EKG/Vascular Studies	0(39%)	?	C
Refer for Special Testing	4	Risk 4	A
Refer Patients to other Practitioners	4	Risk 4	A
Musculoskeletal Diagnosis	4	Risk 4	A
Perform Chiropractic Adjustment	4	Risk 0	A
Chiropractic Examination each visit	3(68%)	Risk 0	B
Monitor Adjunctive Therapy	4	Risk 4	A
Discuss Options With Patient	4	Risk 4	A
Maintain Written Records	4	Risk 2(42%)	B
Physical Examination NP	4	Risk 4	A
Focused Ortho/Neuro Exam	4	Risk 4	A
Joint Function by X-Ray	4	Risk 1(34%)	B
Lab from Hospital	4(68%)	Risk 4	B
History with Lab Info	4	Risk 4	A
Non Musculoskeletal Diagnosis	4	Risk 4	A
Examination Adjunctive Therapy	4	Risk 0	B
Refer If Warranted	4	Risk 4	A

Table 1 Job Analysis of Chiropractic Neurology 2002

	<u>Importance in Practice</u>	<u>Teaching Rating</u>
Clinical Applications		
Past History	Extremely Important	A
Thorax/Lung Exam	Extremely Important	A
Posture/Locomotion Exam	Extremely Important	A
Pt Protection for Radiology	Extremely Important	A
DX and Physical Exam	Extremely Important	A
Skeletal Biomechanics	Extremely Important	A
Pt Education/ Home Care	Extremely Important(61%)	B
Optokinetic Testing	Extremely Important	A
Brainstem-Anatomy/ Physiology	Extremely Important	A
Vegetative States/Coma	Not Done(41%)	C
Vertigo	Extremely Important	A
Bone Scans	Moderate Importance(41%)	C
Kidney Function Testing	Not Done	D
Thermography	Not Done(62%)	C
Chief Complaint	Extremely Important	A
Physical Examination	Extremely Important	A
Urogenital Examination	Not Done (40%)	C
X-ray Physics	No Importance	D
Radiology Diagnosis	Extremely Important(60%)	B
Spinal Adjustment Techniques	Extremely Important	A
Rehabilitation Exercise	Extremely Important	A
Contra-indication for Chiropractic Care	Extremely Important	A
Brain Lobes	Extremely Important	A
Vision Systems	Extremely Important	A
Cerebral Vascular System	Extremely Important	A
Blood Chemistry	Extremely Important	A
Hematology	Extremely Important(67%)	B
Stool Analysis	Not Done	D
Present Illness	Extremely Important	A
Head and Neck Exam	Extremely Important	A
Rectal Exam	Extremely Important(63%)	B
Indications for Radiology Exam	Extremely Important	A
Diagnosis and History	Extremely Important	A
Extremity Adjustive Techniques	Extremely Important	A
Ergonomics	Very Important(52%)	B
Case Follow up	Extremely Important(72%)	B
Spinal Cord Anatomy/Physiology	Extremely Important	A
Dystonia	Extremely Important	A
Peripheral Vascular System	Extremely Important	A
Blood Serology	Little Importance	C

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Clinical Applications	<u>Importance in Practice</u>	<u>Teaching Rating</u>
Joint Fluid Analysis	Not Done	D
Urinalysis	Extremely Important	A
Family History	Extremely Important	A
Personal & Social History	Extremely Important	A
Cardiovascular Examination	Extremely Important	A
Breast & Axilla Examination	Extremely Important	A
Spinal & Extremity Ortho Exam	Extremely Important	A
X-ray Patient Positioning	Extremely Important	A
Normal Radiological Anatomy	Extremely Important	A
Roentgenological Examination	Extremely Important(64%)	A
Laboratory & Special Studies	Extremely Important	A
Non-Adjustive Techniques	Extremely Important	A
Physiotherapy	Extremely Important(30%)	B
Orthopedic Support & Tapping	Moderate Importance(35%)	C
Treatment Plan	Extremely Important(48%)	B
Cerebellum	Extremely Important	A
Brain & Environment	Extremely Important	A
Epilepsy	Not Seen(34%)	C
Disorders of Consciousness	Extremely Important(68%)	B
Balance & Locomotion	Extremely Important	A
Closed Head Injury	Extremely Important(61%)	B
CT Scans	Extremely Important	A
Diagnostic Ultrasound	Little Importance(63%)	C
Liver Function	No Importance(42%)	C
MRI	Extremely Important	A
Review of Systems	Extremely Important	A
Abdominal Examination	Extremely Important	A
Peripheral Vascular Examination	Extremely Important	A
Radiological Analytical Procedures	Extremely Important(45%)	B
Spinal Analysis	Very Important(49%)	B
Nutrition	Extremely Important(45%)	B
Consultation & Referral	Little Importance(39%)	C
Central Nervous System	Extremely Important	A
Basal Ganglion	Extremely Important	A
Demyelinating Diseases	Extremely Important	A
ADHD	Extremely Important(68%)	A
Angiograms	Not Done	D
Discograms	Not Done	D
Serous Fluid Analysis	Not Done(67%)	C

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	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Cranial Nerves					
Cranial Nerves	4	Y	1	N(71%)	A
Differential Diagnosis					
Bursitis/Synovitis	4	Y	1	N	A
Scoliosis	4	Y	1	N(71%)	A
Dislocation of Any Joint	2(63%)	Y	1	N	C
Avascular Necrosis	2(62%)	Y	1(44%)	Y(61%)	B
Muscular Atrophy	4	Y	1	N(73%)	A
Osteomyelitis/Infection	0(55%)	Y	0	Y	C
Osseous Fractures	1(44%)	Y	1(53%)	Y(53%)	C
Pathology of Gait	4	Y	1	N	A
Joint Tumor/ Neoplasm	1(63%)	Y	2(53%)	?	B
Stroke/CVD	4(73%)	N(52%)	1(72%)	?	A
Congenital Anomaly	4	Y	0	N	A
Osteoarthritis/DJD	4	Y	1(71%)	N	A
Tumor of GI Tract	2(60%)	Y(72%)	0	Y	C
Inguinal Hernia	2(64%)	Y	0	Y	C
Skin Pigment Disorders	1(65%)	Y	0	N(62%)	C
Arterial Aneurysm	2(63%)	Y(71%)	1	Y	B
Obesity	4	Y	1	N	A
Polycythemia	1(65%)	Y	0	Y	C
Anemia	4	Y	1	N	A
Menopause	3(68%)	Y	2	Y	B
Allergies	3(39%)	Y(68%)	1	Y(57%)	A
Tumor Eye,Ear, Nose,Throat	2(70%)	Y	0	Y	B
Immunological Disorder	2(66%)	Y	0	Y	C
Female Infertility	0	N	0	Y	C
Male Infertility	1	N	0	Y	B
Male Impotency	3(33%)	Y	1	N	A
Pregnancy	4	Y	2	Y	A
Parasites in Children	0	N	0	Y	C
Colic	2(48%)	Y	1	N	B
Congenital/Developmental Anomaly	4	Y	0	N	B
Bone Tumor/Metastasis	2	Y(63%)	0	Y	C
Endocrine/Metabolic Bone Disorder	0(64%)	N	0	Y	C
Tumor Lungs/Respiratory	1(53%)	N	0	Y	C
Hiatal Hernia/ Reflux	2(51%)	Y	1	N	C
Appendicitis	1(59%)	Y	0	Y	C
Chronic Kidney Disease	0	N	0	Y	C
Hemorrhoids	2(62%)	Y	1(64%)	N	C

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Differential Diagnosis	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Kidney Stones	2(64%)	Y	0	Y	C
Herpes Simplex	3(34%)	Y	1(51%)	Y	C
High Blood Pressure	4(57%)	Y	1(67%)	N(60%)	A
Congenital Heart Anomaly	1(58%)	Y(55%)	0	Y(73%)	C
Thyroid/Parathyroid Disorder	3(57%)	Y	0(57%)	Y	B
Adrenal Disorder	2(42%)	Y	0(62%)	Y(67%)	B
STD(Not Hep/Herpes/HIV/AIDS)	1(34%)	Y	0	Y	C
Respiratory/Environmental Disorder	1(66%)	N	0	Y	C
Cholecystitis/Pancreitis	1(59%)	Y	1	N	C
Kidney/Urinary Infection	1(63%)	Y	0	Y	C
Herpes Zoster	1(65%)	Y	0(60%)	?	B
Thymus/Pineal Disorder	0(65%)	N	0	Y	C
STD-HIV/AIDS	1(33%)	Y	0	Y	C
Olfaction/ Nose Disorder	4	Y	1	N	A
Tumor of Breast/Reproductive System	3(67%)	Y	0	Y	B
Male Reproductive System Tumor	0(63%)	Y(37%)	0	Y	C
Childhood Dx/Mumps/Chick Pox	2(62%)	?	0	Y	C
Eating Disorders	2(65%)	Y	1	N	B
Rheumatoid Arthritis/Gout	1(38%)	Y(65%)	0(65%)	N(51%)	B
TMJ	4(51%)	Y	1	N	A
Myofascitis	4	Y	1	N	A
Osteoporosis	4	Y	1	N	A
Atelectasis/Pneumothorax	0(67%)	Y	0	Y	C
Respiratory Bacterial Infection	1(73%)	Y(57%)	0	Y	C
GI Ulcer	0(71%)	Y	0(42%)	Y(50%)	C
Skin Infection (Bacterial/Fungal)	2(52%)	Y	1(61%)	N(68%)	B
Skin Cancer	2	Y	0	Y	B
Peripheral Vascular Disease	4(38%)	Y	1(61%)	N(69%)	A
Endocrine Tumor	1(58%)	N	0	Y	C
STD-Hepatitis II	2(60%)	Y(57%)	0	Y	B
Disorder of Throat/Larynx	1(49%)	Y	0	Y	C
Hereditary Blood/Lymph Disorder	0	N	0	Y	C
Non Cancerous Breast Disorder	3(58%)	Y	0(54%)	N	B
Child Upper resp/Ear Infection	3(43%)	Y	1(61%)	N(55%)	B
STD-Hepatitis B	1(42%)	Y(59%)	0	Y	C
Cancer Marrow/Lymph	0(42%)	Y(74%)	0	Y	C
PMS	1(66%)	Y	1	?	C
Prostate	2(53%)	Y	1(61%)	N	B
Nutritional Disorders	2(57%)	Y	1	N	B
GI Infection	1	Y	1	N	C
Acne, Dermatitis, Psoriasis	2	Y	1	N	C

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	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Differential Diagnosis					
Tumor Kidney/Bladder	0	N	0	Y	C
Angina/MI	3	Y	1(39%)	Y(61%)	B
Viral Respiratory Infection	3	Y	1	N	B
Effectors					
Muscle Tumor	0	Y	0	Y	C
Fibromyalgia	4	Y	1	N	A
Muscular Dystrophy	1(58%)	Y	1	Y(56%)	B
Musculoskeletal Sprain/Strain	4	Y	1	N	A
Cardiac Rhythm Irregularity	4(51%)	Y	1(69%)	N(57%)	A
Neurophysiology					
	<u>Importance in Practice</u>				<u>Teaching Rating</u>
Electroencephalography	Extremely Important				A
BAER	Extremely Important(73%)				A
Surface EMG	Moderate Importance(46%)				C
Neurological Testing	Extremely Important				A
C.I.E.G.R.	Extremely Important				A
NCV & NCV	Extremely Important				A
Nervous System Histology	Not Done(61%)				D
Central Integration of N.S.	Extremely Important				A
VEP	Extremely Important(70%)				B
Electrophysiology	Extremely Important				A
Neuroanatomy	Extremely Important				A
Electrocardiology	Extremely Important(73%)				A
Electroencephalography	Extremely Important				A
Neurophysiology	Extremely Important				A
	<u>Importance</u>	<u>Risk</u>	<u>Teaching Rating</u>		
Perform VEP	2(52%)	Risk 0(66%)	C		
Interpret SSEP	4	Risk 4	A		
Perform BAER	2(61%)	No Risk	B		
Interpret VEP	4	Risk 4	A		
Refer NCV/EMG	0(40%)	Risk 4	C		
Perform NCV	2(55%)	Risk 2(42%)	C		
Interpret EMG	4	Risk 4	A		
Interpret ECG	4	Risk 4	A		
Perform Needle EMG	2(45%)	Risk 4(58%)	B		
Perform EEG	2(56%)	Risk 4	B		

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Neurophysiology					
	<u>Importance</u>	<u>Risk</u>	<u>Teaching Rating</u>		
Interpret BAER	4	Risk 4	A		
Interpret EEG	4	Risk 4	A		
Visual Stimulation/Therapy	4	Risk 4	A		
Auditory Stimulation/Therapy	4	Risk 4	A		
Perform ECG	2(39%)	Risk 4	B		
Peripheral Nerves					
	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Extremity Subluxation/Dysfunction	4	Y	1	N	A
Sprain of any Joint	4	Y	1	N	A
Hyperlordosis C-L Spine	4	Y	1(55%)	Y(65%)	B
Kyphosis Thoracic Spine	4	Y	1(55%)	Y(65%)	B
Bacterial Infection Joint	1(60%)	Y(57%)	0	Y	C
Facet Syndrome	4	Y	1	N	A
Damaged Nerve/Plexus	4	Y	1	N	A
Spinal Subluxation/Joint Dysfunction	4	Y	1	N	A
Thoracic Outlet Syndrome	4	Y	1	N	A
Tendonitis	4	Y	1	N	A
Carpal Tunnel Syndrome	4	Y	1	N	A
Neuritis/Neuralgia	4	Y	1	N(68%)	A
Compression Neuropathy	4	Y	1	N	A
Radiculopathy	4	Y	1	N	A
Receptors					
	<u>Importance in Practice</u>				<u>Teaching Rating</u>
Pain	Extremely Important				A
Auditory System	Extremely Important				A
SSEP	Extremely Important				A
Environmental Receptors	Extremely Important				A
Peripheral Nervous System	Extremely Important				A
	<u>Importance</u>	<u>Risk</u>	<u>Teaching Rating</u>		
Perform SSEP	2(34%)	Risk 2(45%)	B		
Interpret NCV	4	Risk 4	A		
	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Significant Eye Pathology	0(61%)	N(65%)	0	Y	C
Significant Ear Pathology	0(61%)	N(64%)	0	Y	C

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Spinal Cord	<u>Frequency</u>	<u>Diagnose</u>	<u>Manage</u>	<u>Referral</u>	<u>Teaching Rating</u>
Spinal Canal Stenosis	4	Y	1(73%)	Y(51%)	A
Spinal Cord Syndromes	3(65%)	Y	1	N	A
Brain/Spinal Cord Tumor Diagnosis	1(49%)	Y	0	?	B
Intervertebral Disc Disease	4	Y	1	N	A