# Chapter 10: Best Practices: Organizing the Chiropractic Clinical Evidence

#### Introduction

While some guidelines prefer to separate musculoskeletal and non-musculoskeletal (non-pain) conditions, this author believes separating the two entities represents an artificial categorization of human ailments. This is because the nervous system regulates growth and repair of all the body parts. However, those who prefer this categorization of musculoskeletal and non-musculoskeletal conditions do so to separate axial pain syndromes from the rest of human ailments. They do this in order to claim that Chiropractic care is only supported for musculoskeletal conditions. This arbitrary categorization of body parts assumes that the human body (or any animal body for that matter) can be separated into axial skeletal structures and non-axial skeletal structures and still function harmoniously. The human body is vastly complex and integration of information processed by the nervous system cannot be separated into non-congruent parts.

It seems quite illogical to believe Chiropractic Adjustments can affect pain and function in one region of the body (axial skeleton) and not the remainder of the body (organs, senses, etc), as if the body can be separated into dichotomous pieces. The vast majority of the human nervous system structure is used to sense data from connective tissue mechantoreceptive nerve organs, control the upright posture, and coordinate movements of the spine and limbs. For one to think this vast amount of brain and nerve structure can be influenced, by chrop actic adjustment, only in the axial skeleton and not in the viscera seems quite naïve.

Since 1895, Chiropractors have reported their successes on a multitude of patient ailments and diseases as Case Series and Case Reports in Chiropractic texts, newsletters, magazines, and non-indexed journals. These clinical studies were accomplished with, not only diversified spinal manipulation, but more often with a variety of different Chiropractic Technique adjusting maneuvers. Many of these clinical studies were written before indexing of the Chiropractic literature ever occurred.

Because of discrimination against Chiropractors by modern medicine until the Wilks et. al. lawsuit against the AMA few Chiropractic clinical studies were published in the Index Medicus before 1985. More recently, Chiropractic clinical studies have been published in journals registered with Mantis, CINAHL, Index Medicus, and ICL (Index of Chiropractic Literature).

Therefore, searches in medical library data bases will find Chiropractic publications from 1985-present, but will not find the immense volumes of Chiropractic clinical studies published before 1985. Therefore, it is necessary to search for this evidence, by hand, in Chiropractic College' libraries. This necessitates an immense amount of effort and few guideline developers are inclined to expend the funds and effort necessary to find these 1895-1985 Chiropractic clinical studies. Recent Chiropractic guideline developers have ignored the vast majority of Chiropractic clinical evidence published before 1985. Likewise, these recent Chiropractic guidelines ignore case studies (Level 4), case series with controls (Level 3), and non-randomized trials (Level 2) evidence in favor of only the randomized clinical control trial (RCTs are Level 1). These selective literature searches have resulted in a skewed presentation of the literature toward conclusions from only RCT clinical studies reporting pain relief.

However, for these current ICA Best Practices and Practice Guidelines, the International Chiropractors Association did decide it was necessary to initiate a monumental effort to find these 1895-1985 published Chiropractic clinical studies to once-and-for-all have an available comprehensive database with this information.

The ICA believes Chiropractic spinal adjustments and spinal manipulation are a necessary part of the health care of pain sufferers. However, since spinal adjustments are known to affect the spinal

nerves and spinal cord, from the data collected during hand searches in Chiropractic College libraries from 1895-1985, Chiropractic care has been shown to be beneficial in a vast number of human ailments and diseases. This historical evidence indicates recent College curricula restrictions of Chiropractic Techniques to, "Diversified and Spinal Manipulative Therapy (SMT) Only", are unjustified. This restriction to SMT has occurred due to the efforts of the Council on Chiropractic Education (CCE) to model all Chiropractic Colleges after National College's curricula, with its suggestion of SMT for pain relief only while discrediting, "Named Techniques", applications for any other health conditions.

#### **Best Practices**

This Chapter, ICA's Best Practices, is a compilation of the Evidence for all Chiropractic All levels of evidence (Levels 1-4) were included and all health conditions were included. In Chapter 11 in the next Section III, the actual ICA Practice Guidelines, based on these "Best Practic presented as Frequency and Duration of Care recommendations.

The idea of, "Best Practices", seems to have originated in the business sector. Some business definitions of Best Practices are:

- 1. The processes, practices, and systems identified in public and private organizations that performed exceptionally well and are widely recognized as improving an organization's performance and efficiency in specific areas. Successful videntifying and applying best practices can reduce business expenses and improve organizational efficiency;
- 2. A case study considered to be a good example of a business discipline;<sup>2</sup>
  3. A technique or methodology that, through experience and research, has been proven to reliably lead to a desired result.<sup>3</sup>

When applying these business definitions to healthcare, it appears obvious that the, "processes, practices, and systems", and, "technique or methodology", should be included in the definition of, "Best Practices". However, in hiropractic, some<sup>4</sup> have claimed that Best Practices do not include Frequency and Duration of care but in our opinion, these are part of, "processes, practices, and systems", and, "technique or methodology"

To date and to the best of our knowledge, the only other use of, "Best Practices", in Chiropractic was by the Council of Chiropractic Guidelines and Practice Parameters (CCGPP).<sup>4</sup> The findings and observations in this document strongly negate many CCGPP positions.

## **Analysis of ICA's Data**

It has always been ICA's position that the health consumer must have the right to choose the type of care for his/her individual health condition. Since the beginnings of Chiropractic, Chiropractic adjustment was beneficial in the vast majority of health conditions.

The supporting evidence for Chiropractic, as a consumer's healthcare choice, is the vast number of manuscripts in ICA's data base, which have Levels 1-4 evidence for over 300 named disease conditions. Besides providing the level of evidence, we provide the points assigned by the computer program as the ICA Committee member entered data from each manuscript.

The average RCT in our data base received a score of 16 out of a possible 25 points. It is nearly impossible for an RCT to receive 25 points as the requirements are quite comprehensive. To include Levels 2-4 evidence, as Sacket the father of Evidence medicine suggested, the ICA computer program rated each paper and totaled the points for each disease covered in our extensive list of approximately 1,500 publications. The total points are listed in Tables 1A-1I below. Note the total points were divided by 16 (which is the average RCT score in our data base). This provided an RCT equivalent score for Chiropractic care support of each of 343 diseases listed in our data base. In light of the complexity of data analysis for this large a volume of work we chose to use RCT equivelant as a framework by which to judge published papers. For example, "abdominal pain", is one of the diseases listed in our ICA Best Practices data base in Table 1A. It has no level 1-3 evidence listed in the ICA data base, but has 11 Level 4 studies, with a total point score of 118. This 118 point total is divided by the average 16 points of an RCT, providing 7.4 equivalent RCT's. Thus, Chiropractic care for abdominal pain is supported by 11 Level 4 studies and it has more points supported than 7 average published RCTs.

#### **Adjustment of Subluxation**

At this point, it must be reiterated that Chiropractors do not treat disease. The improvements in disease processes with Chiropractic care is attained by changes in the body's homeostasis after a chiropractic adjustment is delivered to the spine or extremity. These improvements in diseases are attributed to improved function of the nervous system and the immune system. Chiropractors manipulate and adjust spinal subluxations to care for the patient and facilitate the body's natural ability to heal. When the chiropractic care achieves this, then the nervous system function is improved.

In addition, Chiropractors use a number of modalities that are ancillary and/or preparatory to the adjustment. These modalities were discussed in the previous Chapter 2 and these modalities have numerous evidence-based published support papers.

Chiropractors do not deny the existence of viruses, bacteria, starvation, disabling injuries, projectile impacts of the body, long term degeneration of body parts, lack or exercise, poor mental health, motor vehicle crashes, etc., that cause disease and alterations of body organs. However, the list of over 300 diseases in Tables 1A-1I, that were improved after Chiropractic care, is the supporting evidence that Chiropractic spinal care can help the vast majority of disease states of the human body. Chiropractic is conservative care, adjustments of the spine, without the invasive methods of modern medicine, which include drugs (with side effects) and surgery (with often missing necessary body parts). The data in Tables 1A-1I is the supporting evidence for Chiropractic claims of helping beyond the treatment of low back pain. Note that patients often have multiple health conditions and multiple regions of their bodies exhibiting symptoms. Thus, the references in Tables 1-4 can have repeats and be quite a long list. Therefore, the references for Tables 1-4 have been placed in Appendix 2 of this document.

## Additional Categorization of the ICA Data Base

Even though Chiropractors have broad rights to provide healthcare to the public in all States of the USA, all Provinces in Canada, and many countries worldwide, there have been efforts to restrict these privileges. Recently, these efforts of restriction have been by healthcare condition (e.g., headaches), body region (e.g., neck in Canada & for some time extremities in New Jersey), and age group (pediatrics & geriatrics). Tables 2 and 3 indicate there is ample evidence support for chiropractic care of all regions and all age groups.

Additionally, within Chiropractic, faculty at some chiropractic colleges have condemned the use and teaching of, "named", Technique methods. In Table 4 below, there are 28, "Named", Techniques with published evidence for support of their use. However, the reader must keep in mind that in a previous chapter, ICA delineated that, in all States and Provincial practice laws, choice of Technique is a privilege of the licensed Doctor of Chiropractic.

Last, we present Tables 5 (infertility) and 6 (pregnancy), which may not be health conditions, but have a good amount of evidence support for chiropractic care. Chiropractic care has been shown to help women who were previously infertile become pregnant. Chiropractic care has been shown to ease the myriad of skeletal problems in women who are pregnant and have increasing postural distortions as the baby grows. Additionally, chiropractic care has been shown to decrease the labor pains during child birth.

Table 1A
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

Organization of All the Evidence (R* = ICA's Rating from Chapter 8)												
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References			
21.	Abdominal Pain	0	0	0	13	148	9.25	В	1-13			
22.	Acromegaly	0	0	0	1	11	.7	D	14			
23.	ADD/ADHD	0	0	2	22	255	15.9	В	15-38			
24.	Allergy	1	0	0	14	172	10.8	Α	39-53			
25.	Amyotrophic Lateral Sclerosis	0	0	0	1	12	.8	D	54			
26.	Anemia	0	0	0	6	52	3.3	C	55-60			
27.	Angina	0	2	0	6	82	5.1	B	61-68			
28.	Ankle (Pain/Injury)	5	1	1	15	261	16.3		69-90			
29.	Ankylosing Spondylitis	0	0	0	3	36	2.3	C	91-93			
30.	Aneurysm	0	0	0	1	12	. 8	D	94			
31.	Anxiety	1	0	0	8	110	6.9	В	95-103			
32.	Aphasia	0	0	1	3	37	2.3	С	104-107			
33.	Apnea	0	0	0	4	37	2.3	С	108-111			
34.	Appendicitis	0	0	0	4	38	2.4	С	112-115			
35.	Arrested Development	0	0	0	1	6	.4	D	116			
36.	Arteriosclerosis	0	0	0	1	//2	.8	D	117			
37.	Arthritis	2	0	1	30	351	22	Α	118-150			
38.	Asthma	4	0	2	40	517	32.3	Α	151-196			
39.	Auditory Neuropathy	0	0	•	2	20	1.25	D	197-198			
40.	Autism	1	0	1	6	82	5.1	В	199-206			
41.	Autonomic Dysfunction	0	0	0	3	30	1.9	D	207-209			
42.	Back Pain	77	7	17	232	3985	249.1	Α	210-542			
43.	Baker's Cyst	0	0	9	1	8	.5	D	543			
44.	Behavioral Impairment	0	0	1	1	22	1.4	D	544-545			
45.	Bells Palsy	9		0	5	51	3.2	С	546-550			
46.	Blocked Atlantal Nerve Syndrome	Y	0	0	1	9	.6	D	551			
47.	Blood Pressure		2	2	10	259	16.2	Α	552-572			
48.	Brain (Disorders, Injury, Tumor)		0	1	11	130	8.1	В	573-584			
49.	Breathing Difficulty	0	0	3	8	86	5.4	С	585-593			
50.	Bronchitis	0	0	0	5	49	3.1	С	594-598			
51.	Cancer	0	0	0	9	87	5.4	С	599-607			
52.	Capsular Fibrosis	0	0	0	1	15	.9	D	608			
53.	Cardiac Arrhythmia	0	0	0	2	22	1.4	D	609-610			
54.	Carpal Tunnel	1	1	1	10	156	9.75	Α	611-623			
55.	Cauda Equina	0	0	0	3	31	1.9	D	624-626			

Table 1B
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

Organization of All the Evidence (R* = ICA's Rating from Chapter 8)										
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References	
56.	Cerebral Palsy	0	0	1	10	118	7.4	В	627-637	
57.	Cervicobrachial Syndrome	1	0	0	2	35	2.2	С	638-640	
58.	Cervicocranial	0	0	0	2	16	1	D	641-642	
59.	Syndrome Cervicogenic Pain	6	0	1	10	227	14.2	Α	643-659	
60.	Chest Pain	0	0	0	21	190	11.9	В	660-680	
61.	Chorioepithelioma	0	0	0	1	11	.7	D	681	
62.	Chronic Fatigue	0	0	0	6	65	4.1	C	682-687	
63.	Cirrhosis	0	0	0	1	13	.8	D	689	
64.	Coccydynia	1	0	1	2	48	3.0	B	689-692	
65.	Colic	2	0	1	19	225	14.1	Α	693-714	
66.	Colitis	0	0	0	5	48	3.0	С	715-719	
67.	Concussion	0	0	0	1	10	.6	D	720	
68.	Congestive Heart Failure	0	0	0	1	10	.6	D	721	
69.	Constipation	0	0	4	39	446	27.9	В	722-764	
70.	Convulsions	0	0	0	21	235	14.7	В	765-785	
71.	COPD	1	0	0	4	5	3.6	В	786-791	
72.	Cough	0	0	0	9	100	6.3	С	791-799	
73.	Cubital Tunnel Syndrome	0	0	0	1	10	.6	D	800	
74.	Cystitis/UTI/Bladder Infection/Urinary Tract Infection	0	0	0	3	23	1.4	D	801-803	
75.	Dandruff	0	0		1	7	.4	D	804	
76.	Deafness/Hearing Loss	0	9	0	20	191	11.9	В	805-824	
77.	Dejerine-Sottas Disease	V	0	0	1	10	.6	D	825	
78.	Dermatitis/Acne	9	0	0	6	65	4.1	С	826-831	
79.	Developmental Delay	0	0	0	6	62	3.9	С	832-837	
80.	Diabetes	0	0	0	22	245	15.3	В	838-859	
81.	Diffuse Idiopathic Skeletal Hyperostosis (DISH)	0	0	0	1	14	.9	D	860	
82.	Disc Deceneration/ Disc Disease/ Disc Lesion	2	0	0	19	217	13.6	Α	861-881	
83.	Disc Herniation/ Disc Rupture	0	1	1	37	418	26.1	Α	882-920	
84.	Disc Protrusion	0	0	1	4	56	3.5	С	921-925	
85.	Dislocation	0	0	0	6	66	4.1	С	926-931	
86.	Double Crush Syndrome	0	0	0	1	12	.8	D	932	
87.	Down's Syndrome	0	0	0	3	20	1.3	D	933-935	
88.	Duchenne Muscular Dystrophy	0	0	1	6	68	4.3	С	936-942	
89.	Dysarthria - Cervical	0	0	0	1	10	.6	D	943	

Table 1C
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

	Organization of All the Evidence (R* = ICA's Rating from Chapter 8)										
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References		
90.	Dysmenorrhea	2	0	1	7	105	6.6	Α	944-953		
91.	Dyspnea	0	0	0	12	120	7.5	В	954-965		
92.	Ear Problems	1	0	2	29	334	20.9	Α	966-997		
93.	Eczema	0	0	0	3	34	2.1	С	998-1000		
94.	Ehlers-Danlos	0	0	0	1	13	.8	D	1001		
95.	Elbow Pain	5	0	0	9	179	11.2	Α	1002-1015		
96.	Emaciation	0	0	1	0	8	.5		1016		
97.	Emotional Well Being	1	0	0	0	16	1	В	1017		
98.	Encephalitis	0	0	0	2	25	1.6	D	1018-1019		
99.	Encopresis	0	0	0	3	30	1.9		1020-1022		
100.	Endometriosis	0	0	1	3	37	2.3	С	1023-1026		
101.	Enuresis	1	0	2	7	109	6.8	В	1027-1037		
102.	Epilepsy	0	0	0	12	137	8.6	В	1038-1049		
103.	Erb's Palsy	0	0	0	3	<b>3</b> 2	2.0	D	1050-1052		
104.	Eustachian Tube Blockage	0	0	0	2	22	1.4	D	1053-1054		
105.	Eye Pain	0	0	0	. 6	53	3.3	С	1055-1060		
106.	Facial Dysmorphism	0	0	0	1	10	.6	D	1061		
107.	Facial Weakness	0	0	0	1	9	.6	D	1062		
108.	Failed Back Surgery	0	0	0	6	69	4.3	С	1063-1068		
109.	Fasciitis	1	0	0	3	53	3.3	В	1069-1072		
110.	Fatigue	1	0	1	19	225	14.1	В	1073-1093		
111.	Femoral Nerve Entrapment	0	0	<b>0</b>	2	18	1.1	D	1094-1095		
112.	Fever	0	0	0	18	176	11.0	В	1096-1115		
113.	Fibromyalgia		0	0	6	68	4.3	В	1116-1122		
114.	Foot Pain		0	0	21	255	15.9	Α	1123-1144		
115.	Fracture		0	2	20	227	14.2	В	1145-1166		
116.	Frozen Shoulder		0	1	3	54	3.4	В	1167-1171		
117.	Gall Bladder Conditions	°	0	0	1	12	.8	D	1172		
118.	Gangrene	0	0	0	1	10	.6	D	1173		
119.	Gastroenteritis	0	0	0	1	9	.6	D	1174		
120.	Gastroesophegeal Reflux Disease	1	0	0	0	14	.9	С	1175		
121	Gastrointestinal Disorders	3	0	2	60	681	42.6	Α	1176-1241		
122.	Gaucher's Disease	0	0	0	1	10	.6	D	1241		
123.	Genitourinary Disorders	1	0	2	30	308	19.3	В	1242-1275		
124.	Glaucoma	0	0	0	1	13	.8	D	1276		

Table 1D
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

Organization of All the Evidence (R* = ICA's Rating from Chapter 8)											
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References		
125.	Glenohumeral Impingement Syndrome	1	0	0	3	45	2.8	В	1277-1280		
126.	Goiter	0	0	0	2	18	1.1	D	1281-1282		
127.	Groin Pain	0	0	0	3	33	2.1	С	1283-1285		
128.	Gynecological Disorders	0	0	0	3	32	2	С	1286-1288		
129.	Hallux Abductovalgus Bunion	1	0	0	0	19	1.6	В	1289		
130.	Hallux Rigidus	0	0	0	2	27	1.7		290-1291		
131.	Hamstring Injury/Sprain	1	1	0	5	88	5.5	В	1292-1299		
132.	Headache	15	0	6	128	1625	101.6	Α	1300-1452		
133.	Headache - Tension	2	0	0	9	131	8.2	Α	1453-1463		
134.	Heart Disease	0	0	0	1	12	8	D	1464		
135.	Hematuria	0	0	0	2	19	1.2	D	1465-1466		
136.	Hemiparesis	0	0	0	1	1	.7	D	1467		
137.	Hemivertebra	0	0	0	2	16	1	D	1468-1469		
138.	Hemorroids	0	0	0	1	12	.7	D	1470		
139.	Hernia	0	2	1	47	<b>52</b> 9	33.1	Α	1471-1520		
140.	Hiccups	0	0	0	2	25	1.6	D	1521-1522		
141.	High Blood Pressure	3	1		10	182	11.4	Α	1523-1537		
142.	Hip Dysplasia	0	0	0	2	20	1.3	D	1538-1540		
143.	Hip Pain	1	0	0	25	261	16.3	Α	1541-1566		
144.	Hirschsprung's Disease	0	0	9	1	12	.7	D	1567		
145.	HIV	1	9	0	0	17	1.1	В	1568		
146.	Hives	0	0	0	1	6	.4	D	1569		
147.	Hodgkin's Disease		0	0	1	12	.8	D	1570		
148.	Hot Flashes	0	0	1	2	37	2.3	С	1571-1573		
149.	Hydrocephalus	0	0	0	3	28	1.8	D	1574-1576		
150.	Hypercholesterolemia	0	0	0	1	7	.4	D	1577		
151.	Hypertension	4	1	1	9	194	12.1	Α	1578-1592		
152.	Hypertonia /	0	0	0	3	35	2.2	D	1593-1595		
153.	Hypolordosis	0	1	0	10	121	7.6	В	1596-1606		
154.	Immune Problems	3	0	1	12	146	9.1	Α	1607-1622		
155.	Impingement Syndrome	1	0	0	5	66	4.1	В	1623-1628		
156.	Incoordination - Muscular	0	0	0	1	12	.8	D	1629		
157.	Indigestion	0	0	0	5	53	3.3	С	1630-1634		
158.	Infection	0	0	2	26	278	17.4	Α	1635-1664		
159.	Infertility	0	0	0	12	119	7.4	В	1665-1676		

Table 1E
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

Organization of All the Evidence (R* = ICA's Rating from Chapter 8)											
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References		
160.	Influenza	0	0	0	2	12	.8	D	1677-1678		
161.	Insomnia	0	0	0	13	138	8.6	В	1679-1691		
162.	Intracranial Hypotension	0	0	0	2	12	.8	D	1692-1693		
163.	Irritability	1	0	0	2	35	2.2	В	1694-1696		
164.	Irritable Bowel Syndrome	0	0	0	1	9	.6	D	1697		
165.	Jaundice	0	0	0	3	31	1.9		1698-1700		
166.	Joint Pain	6	1	1	30	436	27.3	A	1701-1738		
167.	Kidney - (Renal Problems)	0	0	0	9	75	4.7	(c)	1739-1747		
168.	Klippel Feil Syndrome	0	0	0	5	44	2.8	C	1748-1752		
169.	Knee Pain	5	1	0	17	255	15.9	Α	1753-1775		
170.	Kyphosis	0	1	2	26	340	21.3	Α	1776-1804		
171.	Lateral Epicondylosis/ Epicondylitis	3	0	0	4	90	5.6	В	1805-1811		
172.	Lateral Sclerosis	0	0	0	2	24	1.5	D	1812-1813		
173.	Lateral-Flexion Asymmetry	1	0	2	0	A <sup>2</sup>	2.6	В	1814-1816		
174.	Learning Impairment	0	0	0	4	U	.4	D	1817		
175.	Leg Pain	5	0	1	58	918	57.4	Α	1818-1881		
176.	Lethargic	0	0	0	2	22	1.4	D	1882-1883		
177.	Light Sensitivity / photophobia	0	0	0	5	56	3.5	С	1884-1888		
178.	Liver Disease / Hepatic	0	0	1	9	103	6.4	С	1889-1900		
179.	Locked Jaw	0	0	0	1	11	.7	D	1901		
180.	Low Back Pain	73	7	15	214	3723	232.7	Α	1902-2210		
181.	Lower Sacral Nerve Root Compression		0	0	2	18	1.1	D	2211-2212		
182.	Lung Disorders	~	0	0	28	300	18.8	Α	2213-2242		
183.	Lymphangioma	0	0	0	1	13	.8	D	2243		
184.	Meningitis	0	0	0	3	24	1.5	D	2244-2246		
185.	Menstrual Disorders	1	0	1	7	93	5.8	В	1825-1831		
186.	Mental Disorders	1	0	2	22	253	15.8	Α	2256-2280		
187.	Meralgia Paresthetica	0	0	0	2	27	1.7	D	2281-2282		
188.	Metabolic Disorders	0	0	0	3	29	1.8	D	2283-2285		
189.	Metatarsalgia - Primary	2	0	0	0	34	2.1	Α	2286-2287		
190.	Microcytic  Hypochromic Anemia	0	0	0	1	8	.5	D	2288		
191.	Mid Back Pain	3	1	0	21	285	17.8	Α	2289-2313		
192.	Migraine	4	0	0	27	350	21.9	Α	2314-2344		
193.	Motion Asymmetry - Cervical	2	0	0	0	30	1.9	А	2345-2346		
194.	Multiple Sclerosis	0	0	0	11	117	7.3	В	2347-2357		

Table 1F
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

I	R* D A A C D D A	2358 2359-2801 2802-2839 2840-2843 2844-2845 2846
196.         Musculoskeletal Pain         109         11         17         305         5381         336.3           197.         Myalgia / Muscle Pain         7         0         0         31         442         27.6           198.         Myasthenia Gravis         0         0         0         4         45         2.8           199.         Myelopathy         0         0         0         2         21         1.3           200.         Leukemia         0         0         0         1         6         .4           201.         Myocardial Infarction         0         0         0         1         2         .1           202.         Myofascial Pain         4         0         1         16         237         14.8           Syndrome         38         5         8         140         2260         141.3           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3	A A C D D	2359-2801 2802-2839 2840-2843 2844-2845
197.         Myalgia / Muscle Pain         7         0         0         31         442         27.6           198.         Myasthenia Gravis         0         0         0         4         45         2.8           199.         Myelopathy         0         0         0         2         21         1.3           200.         Leukemia         0         0         0         1         6         .4           201.         Myocardial Infarction         0         0         0         1         2         .1           202.         Myofascial Pain Syndrome         4         0         1         16         237         14.8           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3	A C D	2802-2839 2840-2843 2844-2845
198.         Myasthenia Gravis         0         0         0         4         45         2.8           199.         Myelopathy         0         0         0         2         21         1.3           200.         Leukemia         0         0         0         1         6         .4           201.         Myocardial Infarction         0         0         0         1         2         .1           202.         Myofascial Pain Syndrome         4         0         1         16         237         14.8           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3	C D	2840-2843 2844-2845
199.         Myelopathy         0         0         0         2         21         1.3           200.         Leukemia         0         0         0         1         6         .4           201.         Myocardial Infarction         0         0         0         1         2         .1           202.         Myofascial Pain Syndrome         4         0         1         16         237         14.8           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3	D D	2844-2845
200.         Leukemia         0         0         0         1         6         .4           201.         Myocardial Infarction         0         0         0         1         2         .1           202.         Myofascial Pain Syndrome         4         0         1         16         237         14.8           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3	D	
201.         Myocardial Infarction         0         0         0         1         2         .1           202.         Myofascial Pain Syndrome         4         0         1         16         237         14.8           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3		2846
202.         Myofascial Pain Syndrome         4         0         1         16         237         14.8           203.         Neck Pain / Cervicalgia         38         5         8         140         2260         141.3	P (	
Syndrome         141.3           203.         Neck Pain / Servicalgia         38         5         8         140         2260         141.3	A	2847
Cervicalgia		2848-2868
204   Nambritia   0   0   4   40   📥 🚍	A	2869-3059
204. Nephritis 0 0 0 1 12 • 8	D	3060
205.         Nerve Damage         0         0         1         12         .8	D	3061
206.         Nerve Disorders         0         0         0         3         32         2	D	3062-3064
207. Nervousness 0 0 0 5 50 3.1	С	3065-3069
208.         Neuralgia         0         0         18         188         11.8	В	3070-3089
209. Neuritis 0 0 0 5 40 2.5	С	3090-3094
210. Neurodystrophic 0 0 0 1 8 .5 Ulceration	D	3095
211. Neuroma 0 0 0 1 10 .6	D	3096
212. Numbness 0 0 0 34 342 21.4	В	3097-3130
213.         Nursing - Difficulty         0         0         1         5         67         4.2	С	3131-3136
Syndrome	D	3137-3138
Arthropathy	D	3139
216.         Oculomotor Palsy         0         0         1         9         .6	D	3140
217. Osgood-Schlatter's Disease 0 0 1 13 .8	D	3141
	D	3142
	D	3143
220. Osteoporosis 0 1 0 2 37 2.3	В	3144-3146
221.         Otitis Media / Ear         2         0         2         25         312         19.5           Infection         19.5	Α	3147-3175
222. Pat et Disease 0 0 0 1 12 .8	D	3176
223. Paralysis 0 0 0 22 216 13.5	В	3177-3198
224. Parasites 0 0 0 2 16 1	D	3199-3200
225. Parestesia 0 0 0 2 16 1	D	3201-3202
226. Parkinson's 0 0 0 4 43 2.7	С	3203-3206
227. Patellofemoral Pain 3 0 0 4 88 5.5 Syndrome	Α	3207-3213
	В	3214-3233
229. Peurperal Fever 0 0 0 1 4 .3	D	3234

Table 1G
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

Organization of All the Evidence (R* = ICA's Rating from Chapter 8)										
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References	
230.	Psychological	1	0	1	11	138	8.6	Α	3235-3247	
231.	Placenta Previa	0	0	0	1	8	.5	D	3248	
232.	Plagiocephaly	0	0	0	5	56	3.5	С	3249-3253	
233.	Plantar Fasciitis	1	0	0	3	53	3.3	В	3254-3257	
234.	PMS	0	0	0	8	78	4.9	С	3258-3265	
235.	Pneumonia	0	0	0	4	33	2.1	С	3266-3269	
236.	Polio	0	0	0	6	68	4.3	C	3270-3275	
237.	Polyuria	0	0	0	3	34	2.1	C	3276-3278	
238.	Posture - Problems	7	7	1	69	987	61.7	A	3279-3363	
239.	Pregnancy	0	0	1	17	167	10.4	В	3364-3381	
240.	Premature Ventricular Contractions / PVC	0	0	0	1	11	.7	D	3382	
241.	Prostate Trouble	0	0	0	2	23	1.4	D	3383-3384	
242.	Psoriasis	0	0	1	2	33	2.1	В	3385-3387	
243.	Pubic Symphasis Dysfunction	0	0	0	1	2	.8	D	3388	
244.	Quadraplegia	0	0	0	1	21	1.3	D	3389-3390	
245.	Radial Head Subluxation	0	0	0		10	.6	D	3391	
246.	Radicular Leg Pain	3	0	0	38	474	29.6	Α	3392-3432	
247.	Radicular Arm Pain	0	0	0	5	55	3.4	С	3433-3437	
248.	Radiculitis/Radiculopathy	0	0	0	35	364	22.8	В	3438-3472	
249.	Rectal Problems	0	0	0	1	12	.8	D	3473	
250.	Reiter's Syndrome	0	0	0	1	9	.6	D	3474	
251.	Restricted Movement	1	Ó	0	0	12	.8	D	3475	
252.	Retropharyngeal Tendinitis	0	الم	0	1	12	.8	D	3476	
253.	Rett Syndrome	0	0	0	1	6	.4	D	3477	
254.	Rheumatic Disease	V	0	0	9	104	6.5	В	3478-3481	
255.	Rotator Cuff Tear	1	0	0	3	45	2.8	В	3482-3485	
256.	Sacroiliac Problems	6	2	1	29	450	28.1	Α	3486-3523	
257.	Scalenus Anticus Syndrome	0	0	1	2	30	1.9	D	3524-3526	
258.	Scarlet Fever	0	0	0	2	18	1.1	D	3527-3528	
259.	Scheuermann	0	0	0	2	24	1.5	D	3529-3530	
260.	Sciatic Neuritis	0	0	0	1	4	.3	D	3531	
261.	Sciatica	3	0	1	28	326	20.4	Α	3532-3563	
262.	Scoliosis	2	0	1	31	372	23.3	Α	3564-3597	
263.	Seizures	0	0	0	13	144	9	В	3598-3610	
264.	Severe Aural Symptoms	0	0	0	1	16	1	D	3611	

Table 1H
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

Organization of All the Evidence (R* = 1CA's Rating from Chapter 8)											
	Keywords	Level I	Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References		
265.	Severe Weight Loss	0	0	0	2	16	1	D	3612		
266.	Shingles	0	0	0	1	7	.4	D	3613		
267.	Short Leg Syndrome	0	0	0	1	7	.4	D	3614		
268.	Shoulder Impingement Syndrome	1	0	0	4	54	3.4	В	3615-3619		
269.	Shoulder Injury	0	0	0	7	79	4.9	C	3620-3626		
270.	Shoulder Pain	8	1	1	38	543	33.9	A	3627-3675		
271.	Shoulder-Hand- Syndrome	0	0	0	1	13	.8	2	3676		
272.	Sinusitis	0	0	1	15	167	10.4	В	3677-3693		
273.	Skin Cancer	0	0	0	1	9	• .6	Ъ	3694		
274.	Sleep Disorders	0	0	1	17	163	10.2	В	3695-3712		
275.	Sore Throat	0	0	0	1	11	X	D	3173		
276.	Spasmodic Dysphonia	0	0	0	1	8	5	D	3174		
277.	Speech Impediment	0	0	0	2	20	1.3	D	3715-3716		
278.	Spinal Cord Encroachment	0	0	0	1	14	.9	D	3717		
279.	Spinal Pain	112	11	23	328	5735	358.4	Α	3718-4192		
280.	Spondolyitic Radiculpathy	0	0	0	1	12	.8	D	4193		
281.	Spondyloarthrosis	0	0	0	1	10	.6	D	4194		
282.	Spondylolisthesis	1	0	0	16	179	11.2	Α	4195-4212		
283.	Spondylosis	1	0	0	11	125	7.8	Α	4213-4224		
284.	Sprained Shoulder	0	0		1	7	.4	D	4225		
285.	Stenosis - Spinal	0		0	11	107	6.7	С	4226-4236		
286.	Stomach Problems	0	0	0	3	26	1.6	D	4237-4239		
287.	Strabismus		0	0	3	25	1.6	D	4240-4242		
288.	Stroke	0	0	0	2	23	1.4	D	4243-4244		
289.	Subluxation	15	3	13	193	2299	143.7	Α	4245-4470		
290.	Suboccipital Pain		0	1	7	98	6.1	В	4471-4479		
291.	Synchondrosis	0	0	0	1	10	.6	D	4480		
292.	Synovial Cyst	0	0	0	2	22	1.4	D	4481-4482		
293.	Syringomyelia	0	0	0	1	16	1	D	4483		
294.	T4 Syndrome	0	0	0	2	19	1.2	D	4484-4485		
295.	Tenderness	2	0	0	2	57	3.6	Α	4486-4489		
296.	Thoracic Nerve Root Injury	0	0	0	1	13	.8	D	4490		
297.	Thoracic Pain	12	2	1	52	770	48.1	Α	4491-4557		
298.	Tic Douloureux	0	0	0	3	36	2.3	С	4558-4560		
299.	Tinnitus	0	0	0	8	87	5.4	С	4561-4568		
	1										

Table 1I
Organization of All the Evidence (R\* = ICA's Rating from Chapter 8)

	Organization of Keywords	Level	Level	Level	Level	Total	RCT	R*	References
	Reywords	l	II	III	IV	Points	Equivalent	K	References
300.	Tremor - Intention	0	0	0	1	14	.9	D	4569
301.	Traumatic Volar Dislocation	0	0	0	1	11	.7	D	4570
302.	Trenchmouth	0	0	0	1	11	.7	D	4571
303.	TMJ	2	0	1	9	136	8.5	Α	4572-4583
304.	Tonsilitis	0	0	0	2	13	.8	D	3480-3483
305.	Torticollis	0	0	0	20	212	13.3	В	4584-4603
306.	Transient Neurological Disorder	0	0	0	1	10	.6		4604
307.	Transient Syncope	0	0	0	2	27	1.7	D	4605-4606
308.	Traumatic Volar Dislocation	0	0	0	1	11			4607
309.	Trigeminal Neuralgia	0	0	0	6	67	4.2	С	4608-4615
310.	Tumour	0	0	0	1	12	.8	D	4616
311.	Ulcers	0	0	0	8	79	4,9	С	4617-4624
312.	Ulnar Neuropraxia	0	0	0	1	10	.6	D	4625
313.	Unexpected Weight Loss	0	0	0	1	10	.6	D	4626
314.	Upper Extremity Plasy	0	0	0	1	5	.3	D	4627
315.	Urinary Incontinence	0	0	0	11	100	6.3	С	4628-4638
316.	Urinary Infection	0	0	0	2	18	1.1	D	4639-4640
317.	Uterine Bleeding - Dysfunctional	0	0	1	0	13	.8	D	4641
318.	Uterine Cramps	0	0	0	1	6	.4	D	4642
319.	Uterine Fibroids	0	0		4	48	3.0	С	4643-4647
320.	Uveitis	0	9	0	1	14	.9	D	4648
321.	Varicose Veins	0		0	3	35	2.2	С	4649-4651
322.	Vertigo		0	1	24	260	16.3	Α	4652-4677
323.	Vesicoureteral Relfux	9	0	0	1	10	.6	D	4678
324.	Visual Problems	0	0	0	1	12	.8	D	4679
325.	Vomiting	0	0	1	14	156	9.8	В	4680-4694
326.	Weakness	0	0	0	25	258	16.1	В	4695-4719
327.	Wedge Vertebra	0	0	0	2	22	1.4	D	4720-4721
328.	Whiplash	4	0	1	26	343	21.4	Α	4722-4753
329.	Wrist Ganglion	0	0	0	1	10	.6	D	4754
330.	Xiphodynia	0	0	0	1	5	.3	D	4755

Table 2A

Publications by Body Regions
Evidence by Regions (R\* = ICA's Rating from Chapter 8)

	Anatomic Regions	Level	Level	Level	Level	Total	RCT	R*	References
1	Hand.	20	<b>II</b> 2	<b>III</b> 7	<b>IV</b> 205	Points 2460	Equivalent 153.8	Λ	1-238
1.	Head:							Α	239-835
2.	Neck:	69	9	25	490	6873	429.6	A	836-856
3.	Eyes	0	1	0	18	188	11.8	В	857-889
4.	Face	3	1	0	29	354	22.1	Α	
5.	Ear	1	0	2	28	318	19.9	Α	890-920
6.	Mouth	1	0	0	6	69	4.3	В	921-927
7.	Jaw / TMJ	2	0	1	13	180	11.25	A	928-945
8.	Scalene	0	0	1	3	38	2.4	<b>C</b>	946-949
9.	SCM	0	0	0	4	28	1.8	D	950-953
10.	Suboccipital	1	0	1	7	98	<b>6</b> 1	В	954-962
11.	Throat	0	0	0	5	54	3.4	С	963-967
12.	Vision	3	2	2	35	460	28.8	Α	968-1009
	Upper Extremity:								
13.	Arm / Brachial	2	1	0	55	631	39.4	Α	1010-1068
14.	Carpal Tunnel	1	1	1	10	156	9.8	Α	1068-1080
15.	Rotator Cuff	1	0	0	3	45	2.8	В	1081-1084
16.	Fingers	0	0	1	43	28	9.3	С	1085-1087
17.	Forearm / Elbow	5	0	0	13	227	14.2	Α	1088-1105
18.	Hand	3	2	3	32	462	28.9	Α	1106-1145
19.	Wrist / Carpal	2	1	1	16	232	14.5	Α	1146-1165
20.	Shoulder (GH,	11	2	1	67	922	57.6	Α	1166-1247
	AC)		•						
21.	Supraspinatus	0	Ó	3	1	12	.8	D	1248
22.	Teres	0	5	0	1	14	.9	D	1249
23.	Thorax/Thoracic:	22	4	7	125	1763	110.2	Α	1250-1409
24.	Chest	2	1	0	31	334	20.9	Α	1410-1443
25.	Costovertebral	0	0	0	1	9	.6	D	1444
26.	Diaphragm	0	0	1	1	19	1.2	D	1445-1446
27.	Esophagus	0	0	0	2	13	.8	D	1447-1448
28.	Heart / Cardiac	5	4	1	33	458	28.6	Α	1449-1491
29.	Lungs /	5	0	1	44	547	34.2	Α	1492-1541
	Pulmonic								
30.	Ribs	2	0	1	5	88	5.5	Α	1542-1549
31.	Scapula	2	1	0	2	71	4.4	Α	1550-1554
32.	Scoliosis	2	0	1	31	372	23.3	Α	1555-1588
33.	Trapezius	2	0	0	3	54	3.4	Α	1589-1593
34.	Upper/Mid Back	15	3	4	83	1197	74.8	Α	1594-1698

Table 2B
Evidence by Regions (R\* = ICA's Rating from Chapter 8)

National Negoria   1		Anatomic Regions	Level	Level	Level	Level	Total	RCT	R*	References
10		Anatomic Regions	l						K.	References
Lumbar:	35.	Toe	2	0	0	5	93	5.8	Α	
37.   Buttock / Gluteal   3   0   1   16   214   13.4   A   2246-2265     38.   Paraspinal   1   0   0   1   27   1.7   D   2266-2267     39.   Quadratus   0   0   0   4   39   2.4   C   2268-2271     40.   Abdomen / Stomach:   2   2   2   2   2   2     41.   Colon   0   0   0   1   152   9.5   B   2212-2285     42.   Digestive / Gastrointestinal / Intestine   3   0   2   62   700   47   8   2   2267-2353     43.   Genitourinary   4   0   5   51   616   3.5   A   2267-2353     44.   Liver   0   0   0   1   9   102   44   C   2415-2426     45.   Organs / Viscera   0   0   0   12   11   7   B   2427-2438     46.   Reproductive   3   0   5   29   90   24.4   A   2439-2475     47.   Spleen   0   0   0   1   11   6   D   247     48.   Pelvis:   2   0   1   1   1   6   D   247     49.   Acetabulum   0   0   0   1   1   1   6   D   247     49.   Acetabulum   0   0   0   1   3   3   31   1.9   D   2523-2525     50.   Pubic   0   0   2   18   1.1   D   2526-2527     51.   Sacrum /   8   1   1   58   719   44.9   A   2528-2596     52.   Calf   1   0   6   6   67   4.2   B   2597-2603     53.   Gastrocnemius   0   1   1   22   1.4   D   2604-2605     54.   Hamstrings   1   1   0   5   88   5.5   B   2606-2613     55.   Hip   0   2   4   4   4   4   4   4   4   4   4	36.	Low back /	92	10	34	402	6228	389.3	Α	1706-2245
38.   Paraspinal   1   0   0   1   27   1.7   D   2266-2267										
39					-					
Abdomen   Stomach:	ļ	-								
Stomach:	39.	*	0	0	0	4	39	2.4	С	
A22	40.		0	0	0	14	152	9.5	В	2272-2285
Gastrointestinal / Intestine   Gastrointestinal / Intestine   Gastrointestinal / Intestine   Gastrointestinal / Intestine   Ganitourinary   4	41.	Colon	0	0	0	1	12	.8	DI	2286
44. Liver 0 0 0 1 9 102 44 C 2415-2426  45. Organs / Viscera 0 0 0 12 11 7 B 2427-2438  46. Reproductive 3 0 5 29 91 24.4 A 2439-2475  47. Spleen 0 0 0 0 1 10 6 D 2476  48. Pelvis: 2 0 1 1 10 6 D 2477-252  49. Acetabulum 0 0 0 3 3 31 1.9 D 2523-2525  50. Pubic 0 0 0 0 2 18 1.1 D 2526-2527  51. Sacrum / 8 1 1 58 719 44.9 A 2528-2596  Sacroiliac Lower Extremity:	42.	Gastrointestinal /	3	0	2	62	700	43.8	A	2287-2353
45. Organs / Viscera 0 0 0 12 110 7 B 2427-2438  46. Reproductive 3 0 5 29 91 24.4 A 2439-2475  47. Spleen 0 0 0 1 10 10 .6 D 2476  48. Pelvis: 2 0 1 4 4 4 29 A 2477-2522  49. Acetabulum 0 0 0 0 2 18 1.1 D 2523-2525  50. Pubic 0 0 0 2 18 1.1 D 2526-2527  51. Sacrum / Sacroiliac  Lower Extremity:	43.	Genitourinary	4	0	5	51	616	38.5	Α	2354-2414
46.         Reproductive         3         0         5         29         91         24.4         A         2439-2475           47.         Spleen         0         0         0         1         10         .6         D         2476           48.         Pelvis:         2         0         1         48         44         29         A         2477-2522           49.         Acetabulum         0         0         0         2         18         1.1         D         2523-2525           50.         Pubic         0         0         0         2         18         1.1         D         2526-2527           51.         Sacrum /         8         1         1         58         719         44.9         A         2528-2596           52.         Calf         1         0         6         67         4.2         B         2597-2603           53.         Gastrocnemius         0         1         1         1         22         1.4         D         2604-2605           54.         Hamstrings         1         1         0         5         88         5.5         B         2606-2613	44.	Liver	0	0	1	9	103	6.4	С	2415-2426
47. Spleen 0 0 0 1 10 6 D 2476  48. Pelvis: 2 0 1 48 444 29 A 2477-2522  49. Acetabulum 0 0 0 2 18 11.0 D 2523-2525  50. Pubic 0 0 0 2 18 11.1 D 2526-2527  51. Sacrum / Sacrolilac  Lower Extremity:  52. Calf 1 0 6 6 67 4.2 B 2597-2603  53. Gastrocnemius 0 1 1 1 22 1.4 D 2604-2605  54. Hamstrings 1 1 0 5 88 5.5 B 2606-2613  55. Hip 1 0 2 43 487 30.4 A 2614-262  56. Leg 6 0 4 86 1040 65 A 2663-2758  57. Patella / Knee 3 1 1 32 420 26.3 A 2759-2797  58. Peroneal 0 0 0 3 3 33 2.1 C 2798-2800  59. Sarquius 0 0 1 3 3 34 21.8 A 2802-2836  61. Unigh 2 0 0 0 1 3 3 3 3 2.1 C 2798-2800  63. Ankle: 5 1 1 15 261 16.3 A 2837-2851  64. Morus 0 1 0 1 21 1.3 D 2800-2881  65. Talus 1 1 0 2 5 50 3.1 B 2882-2885  66. Foot: 5 1 1 33 475 29.7 A 2886-2925  67. Calcaneus 0 0 0 0 1 111 .7 D 2926  68. Metatarsal 2 0 0 0 0 3 34 2.1 B 2927-2928	45.	Organs / Viscera	0	0	0	12	112	7	В	2427-2438
48. Pelvis:       2       0       1       44       29       A       2477-2522         49. Acetabulum       0       0       0       3       31       1.9       D       2523-2525         50. Pubic       0       0       0       2       18       1.1       D       2528-2527         51. Sacrum/ Sacroiliac       8       1       1       58       719       44.9       A       2528-2596         52. Calf       1       0       6       67       4.2       B       2597-2603         53. Gastrocnemius       0       1       1       22       1.4       D       2604-2605         54. Hamstrings       1       1       0       5       88       5.5       B       2606-2613         55. Hip       1       0       5       88       5.5       B       2606-2613         55. Hip       1       0       2       43       487       30.4       A       2614-2662         56. Leg       6       0       4       86       1040       65       A       2663-2758         57. Patella / Knee       4       1       1       32       420       26.3 <t< td=""><td>46.</td><td>Reproductive</td><td>3</td><td>0</td><td>5</td><td>29</td><td>391</td><td>24.4</td><td>Α</td><td>2439-2475</td></t<>	46.	Reproductive	3	0	5	29	391	24.4	Α	2439-2475
49. Acetabulum         0         0         0         3         31         1.9         D         2523-2525           50. Pubic         0         0         0         2         18         1.1         D         2528-2527           51. Sacrum / Sacroiliac         8         1         1         58         719         44.9         A         2528-2596           52. Calf         1         0         6         67         4.2         B         2597-2603           53. Gastrocnemius         0         1         1         22         1.4         D         2604-2605           54. Hamstrings         1         1         0         5         88         5.5         B         2606-2613           55. Hip         0         2         43         487         30.4         A         2614-2662           56. Leg         6         0         4         86         1040         65         A         2663-2758           57. Patella / Knee         3         1         1         32         420         26.3         A         2759-2797           58. Peroneal         0         0         0         3         33         2.1         C <td>47.</td> <td>Spleen</td> <td>0</td> <td>0</td> <td>0</td> <td>1_</td> <td>10</td> <td>.6</td> <td>D</td> <td>2476</td>	47.	Spleen	0	0	0	1_	10	.6	D	2476
Solution   Solution	48.	Pelvis:	2	0	1	43	464	29	Α	2477-2522
51.         Sacrum / Sacroiliac         8         1         1         58         719         44.9         A         2528-2596           Lower Extremity:         Seconiliac         1         0         6         67         4.2         B         2597-2603           53.         Gastrocnemius         0         1         1         22         1.4         D         2604-2605           54.         Hamstrings         1         1         0         5         88         5.5         B         2606-2613           55.         Hip         0         2         43         487         30.4         A         2614-2662           56.         Leg         6         0         4         86         1040         65         A         2663-2758           57.         Patella / Knee         3         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Sanctius         0         0         0         1         9         .6         D         2801 <tr< td=""><td>49.</td><td>Acetabulum</td><td>0</td><td>0</td><td>0</td><td>3</td><td>31</td><td>1.9</td><td>D</td><td>2523-2525</td></tr<>	49.	Acetabulum	0	0	0	3	31	1.9	D	2523-2525
Sacroiliac   Lower Extremity:	50.	Pubic	0	0	0	2	18	1.1	D	2526-2527
52.         Calf         1         0         6         67         4.2         B         2597-2603           53.         Gastrocnemius         0         1         1         22         1.4         D         2604-2605           54.         Hamstrings         1         1         0         5         88         5.5         B         2606-2613           55.         Hip         0         2         43         487         30.4         A         2614-2662           56.         Leg         6         0         4         86         1040         65         A         2663-2758           57.         Patella / Knee         5         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Sartorius         0         0         0         1         9         .6         D         2801           60.         Sciatic         3         0         1         31         349         21.8         A         2802-2836           61.	51.		8	1	1	58	719	44.9	Α	2528-2596
53.         Gastrocnemius         0         1         1         1         22         1.4         D         2604-2605           54.         Hamstrings         1         1         0         5         88         5.5         B         2604-2605           55.         Hip         0         2         43         487         30.4         A         2614-2662           56.         Leg         6         0         4         86         1040         65         A         2663-2758           57.         Patella / Knee         5         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Sanctius         0         0         0         1         9         .6         D         2801           60.         Scialte         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851 <th></th> <th>Lower Extremity:</th> <th></th> <th>7</th> <th></th> <th>*</th> <th></th> <th></th> <th></th> <th></th>		Lower Extremity:		7		*				
54.         Hamstrings         1         1         0         5         88         5.5         B         2606-2613           55.         Hip         0         2         43         487         30.4         A         2614-2662           56.         Leg         6         0         4         86         1040         65         A         2663-2758           57.         Patella / Knee         3         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Santonius         0         0         0         1         9         .6         D         2801           60.         Scial c         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62         Tibia         0         0         0         6         68         4.3         C         2852-2857 <t< td=""><td>52.</td><td>Calf</td><td>1</td><td>0</td><td></td><td>6</td><td>67</td><td>4.2</td><td>В</td><td>2597-2603</td></t<>	52.	Calf	1	0		6	67	4.2	В	2597-2603
55.         Hip         2         0         2         43         487         30.4         A         2614-2662           56.         Leg         6         0         4         86         1040         65         A         2663-2758           57.         Patella / Knee         5         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Sartotius         0         0         0         1         9         .6         D         2801           60.         Sciatic         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62         Tibia         0         0         0         6         68         4.3         C         2852-2857           63         Ankle:         5         1         1         15         261         16.3         A         2858-2879	53.	Gastrocnemius	0	9	1	1	22	1.4	D	2604-2605
56.         Leg         6         0         4         86         1040         65         A         2663-2758           57.         Patella / Knee         5         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Sartotius         0         0         0         1         9         .6         D         2801           60.         Sciatic         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62         Tibia         0         0         0         6         68         4.3         C         2852-2857           63         Ankle:         5         1         1         15         261         16.3         A         2858-2879           64.         Mortus         0         1         0         1         21         1.3         D         2880-2881	54.	Hamstrings	1	1	0	5	88	5.5	В	2606-2613
57.         Patella / Knee         5         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Santorius         0         0         0         1         9         .6         D         2801           60.         Sciatic         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62.         Tibia         0         0         0         6         68         4.3         C         2852-2857           63.         Ankle:         5         1         1         15         261         16.3         A         2858-2879           64.         Mortus         0         1         0         1         21         1.3         D         2880-2881           65.         Talus         1         1         0         2         50         3.1         B         2882-2885 <td>55.</td> <td>Hip</td> <td>2</td> <td>0</td> <td>2</td> <td>43</td> <td>487</td> <td>30.4</td> <td>Α</td> <td>2614-2662</td>	55.	Hip	2	0	2	43	487	30.4	Α	2614-2662
57.         Patella / Knee         5         1         1         32         420         26.3         A         2759-2797           58.         Peroneal         0         0         0         3         33         2.1         C         2798-2800           59.         Sanctius         0         0         0         1         9         .6         D         2801           60.         Sciatic         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62.         Tibia         0         0         0         6         68         4.3         C         2852-2857           63.         Ankle:         5         1         1         15         261         16.3         A         2858-2879           64.         Mortus         0         1         0         1         21         1.3         D         2880-2881           65.         Talus         1         1         0         2         50         3.1         B         2886-2925 <td>56.</td> <td>Leg</td> <td>-6</td> <td>0</td> <td>4</td> <td>86</td> <td>1040</td> <td>65</td> <td>Α</td> <td>2663-2758</td>	56.	Leg	-6	0	4	86	1040	65	Α	2663-2758
59.         Sarratius         0         0         0         1         9         .6         D         2801           60.         Sciate         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62.         Tibia         0         0         0         6         68         4.3         C         2852-2857           63.         Ankle:         5         1         1         15         261         16.3         A         2858-2879           64.         Mortus         0         1         0         1         21         1.3         D         2880-2881           65.         Talus         1         1         0         2         50         3.1         B         2882-2885           66.         Foot:         5         1         1         33         475         29.7         A         2886-2925           67.         Calcaneus         0         0         0         1         11         .7         D         2926	57.		5	1	1	32	420	26.3	Α	2759-2797
60.         Sciate         3         0         1         31         349         21.8         A         2802-2836           61.         Thigh         2         0         1         12         160         10         A         2837-2851           62.         Tibia         0         0         0         6         68         4.3         C         2852-2857           63.         Ankle:         5         1         1         15         261         16.3         A         2858-2879           84.         Mortus         0         1         0         1         21         1.3         D         2880-2881           65.         Talus         1         1         0         2         50         3.1         B         2882-2885           66.         Foot:         5         1         1         33         475         29.7         A         2886-2925           67.         Calcaneus         0         0         0         1         11         .7         D         2926           68.         Metatarsal         2         0         0         0         34         2.1         B         2927-2928	58.	Peroneal	0	0	0	3	33	2.1	С	2798-2800
60.       Sciate       3       0       1       31       349       21.8       A       2802-2836         61.       Thigh       2       0       1       12       160       10       A       2837-2851         62.       Tibia       0       0       0       6       68       4.3       C       2852-2857         63.       Ankle:       5       1       1       15       261       16.3       A       2858-2879         64.       Mortus       0       1       0       1       21       1.3       D       2880-2881         65.       Talus       1       1       0       2       50       3.1       B       2882-2885         66.       Foot:       5       1       1       33       475       29.7       A       2886-2925         67.       Calcaneus       0       0       0       1       11       .7       D       2926         68.       Metatarsal       2       0       0       0       34       2.1       B       2927-2928	59.	Sartorius	0	0	0	1	9	.6	D	2801
61. Thigh       2       0       1       12       160       10       A       2837-2851         62. Tibia       0       0       0       6       68       4.3       C       2852-2857         63. Ankle:       5       1       1       15       261       16.3       A       2858-2879         64. Mortus       0       1       0       1       21       1.3       D       2880-2881         65. Talus       1       1       0       2       50       3.1       B       2882-2885         66. Foot:       5       1       1       33       475       29.7       A       2886-2925         67. Calcaneus       0       0       0       1       11       .7       D       2926         68. Metatarsal       2       0       0       34       2.1       B       2927-2928	60.		3	0	1	31	349	21.8	Α	2802-2836
63 Ankle: 5 1 1 15 261 16.3 A 2858-2879  84. Mortus 0 1 0 1 21 1.3 D 2880-2881  65. Talus 1 1 0 2 50 3.1 B 2882-2885  66. Foot: 5 1 1 33 475 29.7 A 2886-2925  67. Calcaneus 0 0 0 1 11 7 D 2926  68. Metatarsal 2 0 0 0 34 2.1 B 2927-2928	61.		2	0	1	12	160	10	Α	2837-2851
63 Ankle:       5       1       1       15       261       16.3       A       2858-2879         64. Mortus       0       1       0       1       21       1.3       D       2880-2881         65. Talus       1       1       0       2       50       3.1       B       2882-2885         66. Foot:       5       1       1       33       475       29.7       A       2886-2925         67. Calcaneus       0       0       0       1       11       .7       D       2926         68. Metatarsal       2       0       0       34       2.1       B       2927-2928	62.		0	0	0	6	68	4.3	С	2852-2857
65. Talus       1       1       0       2       50       3.1       B       2882-2885         66. Foot:       5       1       1       33       475       29.7       A       2886-2925         67. Calcaneus       0       0       0       1       11       .7       D       2926         68. Metatarsal       2       0       0       34       2.1       B       2927-2928	63		5	1	1	15	261	16.3	Α	2858-2879
66.     Foot:     5     1     1     33     475     29.7     A     2886-2925       67.     Calcaneus     0     0     0     1     11     .7     D     2926       68.     Metatarsal     2     0     0     34     2.1     B     2927-2928	64.	Mortus	0	1	0	1	21	1.3	D	2880-2881
67.         Calcaneus         0         0         0         1         11         .7         D         2926           68.         Metatarsal         2         0         0         0         34         2.1         B         2927-2928	65.	Talus	1	1	0	2	50	3.1	В	2882-2885
68. Metatarsal 2 0 0 0 34 2.1 B <sup>2927-2928</sup>	66.	Foot:	5	1	1	33	475	29.7	Α	2886-2925
	67.	Calcaneus	0	0	0	1	11	.7	D	2926
69. Tarsal 0 0 0 1 10 .6 D <sup>2929</sup>	68.	Metatarsal	2	0	0	0	34	2.1	В	2927-2928
	69.	Tarsal	0	0	0	1	10	.6	D	2929

 $Table \ 3$  List of Age Ranges in the ICA Data Base and the Number of Publications  $(R^* = ICA \text{'s Rating from Chapter 8})$ 

Age	Age Ranges		Level II	Level III	Level IV	Total Points	RCT Equivalent	R*	References
0-1	Infant	4	0	2	57	644	40.3	Α	1-63
2-10	Child	6	0	5	77	906	56.6	Α	64-152
11-17	Adolescent	8	0	4	37	566	35.4	Α	153-201
18-64	Adult	54	9	25	553	7243	452.7	Α	202-849
65 <sup>+</sup>	Geriatric	25	1	5	116	1771	110.7	Α	850-996

Table 4
List of Techniques in the ICA Data Base and the Number of Publications
(R\* = ICA's Rating from Chapter 8)

Technique	Level	Level	Level	Level	Total	RCT	R*	References
roominguo	I	II	III	IV	Points	Equivalent		3,5,6,6,6,6
Activator	8	0	4	40	595	37.2	A	1-53
Active Release (ART)	1	0	0	9	112	7.0	В	54-64
Advanced Biostructural	0	0	0	1	11	07	D	65
Applied Kinesiology AK	0	0	0	10	101	6.3	С	66-75
Atlas Activate and	0	0	0	10	55	3.4	С	76-85
Adjust								
Atlas Orthogonal	1	0	0	_1	28	1.8	В	86-87
<b>Axial Decompression</b>	0	1	1	0	29	1.8	D	88-89
Back Bubble traction	0	0	Q	4	10	0.6	D	90
Bio-energetic	1	1	OK	4	69	4.3	Α	91-96
symchronization								
(BEST)								07.400
Bone setting	3	0	0	1	79	4.9	Α	97-100
Bonyan technique	0	0	0	1	9	0.6	D	101
Carver	0	0	0	1	10	0.6	D	102
Chiropractic Biophysics	1	7	2	79	1081	67.6	Α	103-191
(CBP)	X				4.5			192
Contralateral Lateral		0	0	0	15	0.9	В	192
Glide Cox	5	0	1	36	478	29.9	Α	193-234
Craniosacral	0	0	1	14	162	10.1	В	235-249
Diversified/SMT*/Spinal	129	11	41	515	8180	511.3	A	250-950
Manipulative Therapy	129	''	41	313	0100	311.3	^	200 000
DNFT	0	0	0	1	12	0.8	D	951
Extremity	8	0	2	44	624	39.0	Α	952-1005
Constead	2	0	5	34	444	27.8	Α	1006-1046
Graston	1	0	0	3	46	2.9	В	1047-1050
Grostic	1	0	1	8	111	6.9	В	1051-1060
HIO	0	0	1	140	1473	92.1	В	1061-1201
Kale	0	0	0	1	14	.9	D	1202
Laney	0	0	0	2	23	1.4	D	1203-1204
Leander	0	0	0	4	43	2.7	С	1205-1208
Life Cervical	0	0	1	14	154	9.6	В	1209-1223
Logan Basic	1	0	2	13	166	10.4	A	1224-1239
Logan Basic	'	U	_	l 13	100	10.4	Α.	122 1 1200

Low Force	2	1	1	11	152	9.5	Α	1240-1254
Maitland (SMSY)	6	0	0	2	120	7.5	Α	1255-1262
MCSAP	0	0	0	1	8	.5	D	1263
Manipulation Under Anestesia (MUA)	2	0	1	22	279	17.4	Α	1264-1288
McTimmony Technique	0	1	0	0	17	1.1	D	1289
Meric	1	0	0	2	33	2.1	В	1290-1292
Mobilization	21	1	1	30	722	45.1	Α	1293-1345
Motion Palpation	4	2	1	17	277	17.3	Α	1346-1371
Muscle Energy Technique	1	0	0	3	37	2.3	В	1372-1375
Myofascial Release	3	0	0	17	223	13.9	Α	1376-1395
Neuro Emotional Technique (NET)	0	0	3	11	152	9.5	В	1396-1409
Network	0	0	2	9	125	7.8	В	1410-1420
NUCCA	1	0	0	9	104	6.5	В	1421-1430
Neural Organizational	0	0	0	1	8	.5	D	1431
Orthospinology	0	0	0	5	62	3.9	C	1432-1436
Osteopathic	9	0	1	8	222	13.9	Α	1437-1454
Palmer	3	0	1	44	426	26.6	Α	1455-1502
Pettibon	1	1	0	15	199	12.4	Α	1503-1519
Pierce	0	0	0	1	40	0.6	D	1520
Pro Adjuster	1	0	0	3	36	2.3	В	1521-1524
PSMT	0	0	0	1	12	.8	D	1525
Spinography	0	0	0	2	16	1	D	1526-1527
SOT/Craniosacral	0	0	8	45	460	28.8	В	1528-1575
Thompson	0	0	2	18	216	13.5	В	1576-1595
Toftness	1	1	0		43	2.7	В	1596-1598
Toggle	6	0	2	26	382	23.9	Α	1599-1632
Torque Release	0	0	14	8	86	5.4	С	1633-1641
Non-Specified Chiropractic Techniques**	0	Y	3	60	47.5	762	Α	1642-1718
Upper Cervical Specific		0	1	3	63	3.9	В	1719-1723
Webster	0	0	0	5	47	2.9	С	1724-1728
Wet Cupping	1	0	0	0	16	1	В	1729
# T 1 1 D: 10 T 1	V		•					1) 1 1 1 1 1

<sup>\*</sup> Includes Diversified and all SMT/Mobilization methods from Osteopathy (such as Maitland), Manual Therapy, Physiotherapy, Medical Manipulation

\*\* For published papers where techniques were not specified but chiropractic treatment was used.

Table 5 Infertility Studies (All Studies here are Level IV Studies) (R\* = ICA's Rating from Chapter 8)

Author	Points	Treatments	Weeks	Outcome Positive?
Adams, John P DC; 2003	9	88	88	Yes
Alcantara, Joel; 2009	9	15	10	Yes
Anderson-Peacock, E DC; 2003	11	24	10	Yes
Bedell, Leslie, DC; 2003	10	21	21.5	Yes
Blum, Charles L. DC; 2003	10	18	25.8	Yes

Kaminski, Tammy M DC; 2003	9	32	32	Yes
Lyons, Daniel D.; 2003	10	14	4	Yes
Nadler, Asher DC; 2003	8	17	5	Yes
Rosen, Martin G. DC; 2003	9		6	Yes
Senzon, S.A. MA DC; 2003	12	44	20	Yes
Shelley, Jessica DC; 2003	12	12	14	Yes
Vilan R; 2004	10	28	24	Yes
Total Points:	119			
Average Points:	10			
Total Treatments:	313	Ave	30	
		Treatments		
Total Weeks:	260			
Average Weeks:	22			
RCT Equivalent:	7.4	R*: C		

Table 6
Pregnancy Studies (R\* = ICA's Rating from Chapter 8)

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Study Type	Author	Points	Treatments	Weeks	Outcome Positive?
Level III	Diakow, Peter R DC; 1991	14			Yes
Level IV	Adams, John P DC; 2003	9	.88	88	Yes
Level IV	Bedell, Leslie, DC; 2003	10	21	21.5	Yes
Level IV	Cohen, Eddy; 1995	5	8	8	Yes
Level IV	Drobbin, Danielle; 2009	8	5	4	Yes
Level IV	Fallon, Joan; 1994	12	20	24	Yes
Level IV	Guadagnino III MR; 1999	13	84	34	Yes
Level IV	Hwang, Karen; 2009	8	14	24	Yes
Level IV	Kanu, Pene L; 1999	10			Yes
Level IV	Krauss, Lori DC; 1995	8	22	12	Yes
Level IV	Kruse, Ralph, 2007	10	9	6	Yes
Level IV	Lisi, Anthony J DC; 2005	8	15	9	Yes
Level IV	Lisi, Anthony 1.; 2005	10			Yes
Level IV	Senzon, S.A. MA DC; 2003	12	44	20	Yes
Level IV	Skages, Clayton D. DC; 2006	5			Yes
Level IV	Vilan R; 2004	10	28	24	Yes
Level IV	Viti JA; 2000	7	8	4	Yes
	Total Points:	159			
	Average Points:	9.4			
	Total Treatments:	366	Ave	28	
			Treatments		
	Total Weeks:	278.5			
	Average Weeks:	21.4			
	RCT Equivalent:	9.9	R*: B		

# **Comparison of CCGPP and ICA Best Practices**

CCGPP<sup>4</sup> organized their work into seven chapters: low back, thorax, neck, upper extremity, lower extremity, soft tissue, and non-musculoskeletal. Six out of seven (86%) of the CCGPP chapters cover musculoskeletal/pain conditions.

Using the CCGPP Non-Musculoskeletal Chapter as an example, it was reported the search for studies resulted in 276 source documents, 93 of which were case reports. The oldest study cited in this Non-Musculoskeletal Chapter was 1985. While the case reports were included in the references, they were not included in the analysis and synthesis of their Best Practices formulation.

The CCGPP Non-Musculoskeletal Chapter search methods resulted in a limited number of source documents (n=293). In contrast, the ICA Committee searched the entire chiropractic literature (1895-present) and identified over 1400 clinical papers. While this ICA Best Practices document, was not divided into the same categories as CCGPP (non-musculoskeletal category in this case), we would estimate that the CCGPP search resulted in less than 10% of the total studies that ICA has reviewed under this topic. Therefore, a more thorough hand search of every chiropractic journal shouldhave been performed by CCGPP. This is precisely what the ICA has done in its literature search and source document retrieval process.

Additionally, ICA believes another important thing to note about the CCGPP Non-musculoskeletal chapter is the short list of procedures receiving an A or B rating in their "Summary of Recommendations". These 6 things are listed in Table 7:

Table 7
CCGPP's A and B Ratings of Non-Musculoskeletal Conditions

Condition/Treatment	Rating
Counseling tobacco users to quit	A
Counseling sedentary patients to engage in physical activity	A
Counseling on breastfeeding	A
Limiting use of antibiotics for otitis media	A
Diagnostic test in pregnant women-SLR	В
Counseling for Physical activity	A

Although Chiropractors may counsel patients on the above mentioned topics, practicing DCs are not counselors by training. No guidelines, RCTs, systematic reviews or meta-analyses on these counseling topics have been performed in chiropractic. Note everything else got a "C", "D" or "I" rating in the CCGPP document. This would include manipulation/adjustment for LBP in older adults, manipulation/adjustment for health promotion, manipulation/adjustment for children for any condition the child may have. Additionally, manipulation/adjustment of adults for any condition other than LBP, neck pain, headaches and extremity conditions were rated low. Thus, these CCGPP non-musculoskeletal guidelines are, "restrictive", by condition.

CA believes this limited list of, "supported", conditions is due to design flaws in the evidence gathering, and selective literature review. The CCGPP 2007 Introductory Chapter states that non-randomized controlled trials would be included for review, but the majority of these papers were not. The CCGPP introduction chapter states that cohort studies would be included for review, but they were not. The CCGPP Introduction chapter states that case series would be included for review, but they were not. While the CCGPP introductory chapter stated that, "The preeminence of the randomized clinical trial (RCT), generally a positive factor for population health questions when high quality RCTs exist, can be a significant negative factor misguiding care decisions", CCGPP did not offset this negative factor by including all levels of evidence.

The omission of Levels 2-4 evidence was one of the most significant issues raised in the State Association critiques of the CCGPP's Low Back Draft released in 2006 and 2007. While there was discussion of this problem in the 2007 CCGPP Introduction, the problem was not corrected and it remained the single biggest problem with the 2007 documents.

As an example, on page 11 of the CCGPP Non-Musculoskeletal Chapter, the Team Lead discussed the, "Rating Statements", and summarized the studies that were actually reviewed. There were 28 systematic reviews and RCTs that were included for review with 14 rated as "high", while 248, "other studies", were rated as low and not worthy of consideration. So, again, only RCTs and systematic reviews were included in the review as shown in their CCGPP Evidence Table 3.

In contrast, this ICA Best Practices lists all the diseases in our data base (see Tables 1A-1I). All of the evidence, from the RCT to the single case report, was included in the synthesis of the evidence tables. It is the position of the ICA that the accumulated results from reviewed case reports outweighs the accumulated opinion of a, "consensus panel", some of whom have no clinical experience and have never practiced. This position that the ICA holds is also the position of the United States government regarding the hierarchy of levels of evidence.

This comparison was made here because these two guidelines are being completed at, relatively, the same time in history. Additionally, there are many shortcomings of the initial CCGPP Chapters, as pointed out by 95% of the State Associations, which helped guide the development of the ICA document. A summary of the comparison of the CCGPP document and the ICA Rest Practices document is presented in Table 8:

Table 8
Comparison of CCGPP and ICA Best Practices

Comparison Topic	CCGPP	ICA
Team Leads: Possible conflicts of interest	Yes	No
Team Members: Possible conflicts of interest	Yes	No
Majority of Committee members in active practice	No	Yes
Included literature before 1985	No	Yes
Included Level 2-4 evidence	No	Yes
Included all Chiropractic Techniques' publications	No	Yes
Reported support evidence for modalities	No	Yes (Chap 9)
Selective literature searches (1985-2008)	Yes	No
Reported frequency & duration suggestions	No	Yes (Chap 11)
Emphasis mainly on spinal pain conditions	Yes	No
Besides pain, reported care evidence for diseases/health conditions	3	> 300
Reported Care Evidence for all age groups (pediatrics, adults, seniors)	No	Yes
Reported Counseling treatment by DCs	Yes	No
Except for pain, rated all Chiropractic care as C, D, or I	Yes	No
Relied on Cochrane systematic reviews for quality scores	Yes	No

References (See Appendix 2 for references for Tables 1-6)

- 1. http://www.gao.gov/special.pubs/bprag/bprgloss.htm
- 2. www.mreview.om/rg/resources/glossary.cfm
- 3. www.searchs@twarequality.techtarget.com/sDefinition/0,,sid92 gci498678,00.html 55k
- 4. Council on Chiropractic Guidelines and Practice Parameters (CCGPP). www.ccgpp.org/view.htm