

Chiropractic

(An Evidence Based Study)

Alireza Salehi, MD, MPH, Ph.D

Mohammad Hadi Imanieh, MD

Neda Hashemi, Ph.D



Navideshiraz Publication



سرشناسه	: صالحی، علیرضا، ۱۳۴۵.
عنوان و نام پدیدآور	Salehi, Alireza Chiropractic: An Evidence Based Study / Alireza Salehi, Mohammad Hadi Imanieh, Neda Hashemi
مشخصات نشر	: شیراز: نوید شیراز، ۱۳۹۷
مشخصات ظاهری	: ۱۰۴ ص.
شابک	: ۹۷۸-۶۰۰-۱۹۲-۸۶۴-۲
وضعیت فهرست‌نویسی	: فیپا
یادداشت	: انگلیسی
آوانویسی عنوان	: کاپروپرکتیک ...
موضوع	: مهره‌ورزی
موضوع	: Chiropractic
موضوع	: پزشکی سنتی
موضوع	: Traditional Medicine
شناسه نزوده	: ایمانیه، محمدهادی، ۱۳۴۱
شناسه افزوده	: Imanieh, Mohammad Hadi
شناسه افزوده	: هاشمی، ندا، ۱۳۶۵
شناسه افزوده	: Hashemi, Neda
رده‌بندی کنگره	: ۱۳۷ ۱۳۲/۲/۲۴۱ RZ
رده‌بندی دیویی	: ۵۳۴/۵۰۵
شماره کتابشناسی ملی	: ۵۲۰۶۲۳



Chiropractic

نویسندگان: دکتر علیرضا صالحی، دکتر محمدهادی ایمانیه، ندا هاشمی

صفحه آرا: ندا گزینی □ لیتوگرافی و چاپ: دنیا □ طرح جلد: کانورتهای تبلیغات سی راه

تیراژ: ۵۰۰ جلد □ چاپ اول: ۱۳۹۷ □ حق چاپ محفوظ

ناشر: انتشارات نوید شیراز

دفتر شیراز- تلفن ۶۲-۳۲۲۲۶۶۱-۳۲۲۲۹۶۷۶ نمابر

دفتر تهران- تلفن ۵۹۴۵-۸۸۹۰۵۸۹۰ نمابر ۵۲۲-۸۸۹۲۱۵۲۱-۰۲۱

پست الکترونیکی: navideshiraz.pub@gmail.com

وب سایت: www.navideshiraz.com

ISBN: 978-600-192-864-2

شابک: ۹۷۸-۶۰۰-۱۹۲-۸۶۴-۲

۲۴۰۰۰ تومان

Table of Contents

Introduction	7
Chapter 1: What is Chiropractic?	9
1.1. Introduction	9
1.2. Definition of Chiropractic	9
1.3. Basic notions of chiropractic	10
1.3.1. Vital force	10
1.3.2. Holism	10
1.3.3. Illness	10
1.3.4. Subluxation	11
1.3.5. Treatment	12
1.3.6. Adjustment	12
1.3.7. Manipulation	12
1.3.8. Mobilization	12
1.3.9. Spinal Manipulative Therapy (SMT)	12
1.4. Key terms used in chiropractic	13
1.4.1. Thrust	13
1.4.2. Amplitude	13
1.4.3. Lever	13
1.4.4. Velocity	13
1.4.6. Range of motion	13
1.4.7. Cavitation	14
Chapter 2: History of Chiropractic	15
2.1. Introduction	15
2.2. History of the concepts and principles of chiropractic	15
2.3. The Development of chiropractic	16
2.4. History of chiropractic education	19
2.5. Legal disputes over Chiropractic	21
2.6. History of research on chiropractic	22
2.7. History of chiropractic in Iran	22
Chapter 3: Chiropractic Techniques and Procedures	25
3.1. Introduction	25
3.2. Manual Articular Manipulative and Adjustive Procedures	25
3.2.1. Specific Contact Thrust Procedures	25
3.2.2. Non-specific Contact Thrust Procedures	26

3.2.3. Manual Force, Mechanically Assisted Procedures.....	28
3.2.4. Mechanical Force, Manually Assisted Procedures.....	30
3.3. Manual Nonarticular Manipulative and Adjustive Procedures	31
3.3.1. Manual Reflex and Muscle Relaxation Procedures.....	31
3.3.2 Other soft tissue techniques.....	32
Chapter 4: Chiropractic Education.....	35
4.1. Introduction.....	35
4.2. Full chiropractic education.....	36
4.2.1 The First model: Full chiropractic education for applicants with no prior health care education or experience	36
4.2.2. Second model: Full chiropractic education for applicants with previous medical or other allied health education.....	41
4.3. Limited chiropractic education.....	41
4.3.1. First model: Limited chiropractic education for medical doctors and other health care professionals	42
4.3.2. Second model: Limited chiropractic education for chiropractic therapists with a background of chiropractic education	43
4.4. Assessment and examination of students in chiropractic	44
4.5. Primary health care workers and chiropractic	45
Chapter 5: Chiropractic Safety.....	47
5.1. Introduction.....	47
5.2. Absolute contraindications to spinal manipulative therapy.....	48
5.3. Absolute contraindications to spinal manipulative therapy.....	49
5.4. Contraindications to joint manipulation by category of disorder	50
5.4.1. Articular derangement.....	50
5.4.2. Bone weakening and destructive disorders	51
5.4.3. Circulatory and hematological disorders.....	51
5.4.4. Neurological disorders	52
5.4.5. Psychological factors.....	52
5.5. Contraindications to adjunctive and supportive therapies.....	52
5.5.1. Electromyopies.....	52
5.5.2. Exercises and supplementary supportive measures.....	52
5.6. Accidents and adverse reactions.....	53
5.6.1. Causes of complications and adverse reactions.....	53
5.6.2. Examples of inappropriate practices	53
5.6.3. Serious adverse consequences.....	53
5.6.3.1. Cervical region	53
5.6.3.2. Thoracic region.....	54
5.6.3.3. Lumbar region.....	54
5.6.4. Vascular accidents.....	54
5.6.4.1. Mechanism	54

5.6.4.2. Incidence	54
5.6.5. Prevention of complications from manipulation	55
5.7. First aid training	55
Chapter 6: Chiropractic Effectiveness	57
6.1. Chiropractic and spinal diseases.....	57
6.1.1. Chiropractic and low back pain.....	57
6.1.2 Chiropractic and neck pain.....	59
6.1.3. Chiropractic and headache	60
6.2. Chiropractic and non-spinal diseases	61
6.2.1. Chiropractic and the treatment of upper extremity disorders.....	61
6.2.2. Chiropractic and general disorders.....	62
6.2.2.1. Chiropractic and the treatment of infantile colic.....	62
6.2.2.2. Chiropractic and the treatment of Autism	63
6.2.2.3. Chiropractic and the treatment of Asthma.....	64
References	75
Appendix A. Chiropractic Universities and Colleges.....	88
Appendix B. A Review of Systematic Reviews of Chiropractic.....	93

List of Tables

Table 6.1. Clinical Trials of Chiropractic in the Treatment of Low Back Pain	67
Table 6.2. Clinical Trials of Chiropractic in the Treatment of Neck Pain.....	68
Table 6.3. Clinical Trials of Chiropractic in the Treatment of Headache	70
Table 6.4. Clinical Trials of Chiropractic in the Treatment of Upper Extremity	71
Table 6.5. Clinical Trials of Chiropractic in the Treatment of Infant Colic.....	72
Table 6.6. Clinical Trials of Chiropractic in the Treatment of Autism	73