HealthIndex Network: HealthIndex | ChiroACCESS | Topics in Integrative Health Care



Topics in Integrative Health Care

an International Journal

ISSN 2158-4222

Cur Abo

> Edi Aut

Ins

Rej Aut

Per

Research

Algorithms for the Chiropractic Management of Acute and Chronic Spine-Related

Gregory A. Baker, DC 🛽 Ronald J. Farabaugh, DC 🗈 Thomas J. Augat, DC, MS, CCSP, FASA 🕄 Cheryl Hawk, DC, PhD, CHES 🔤 🗈 author email ocrresponding author email

Topics in Integrative Health Care 2012, Vol. 3(4) ID: 3.4007

Published on December 31, 2012























Abstract

The complexity of clinical documentation and case management for health care providers has increased along with the rise of managed care. Keeping up with the policies of different insurers and third party administrators can be a daunting task. To address these issues for doctors of chiropractic (DCs) and policymakers, the Council for Chiropractic Guidelines and Practice Parameters (CCGPP) developed three consensus documents. Each of these documents was the outcome of a formal consensus process in which a multidisciplinary Delphi panel consisting of experts in chiropractic and low back pain treatment came to agreement on terminology and treatment parameters for the chiropractic management of spine-related musculoskeletal pain. 1-3

Introduction

The complexity of clinical documentation and case management for health care providers has increased along with the rise of managed care. Keeping up with the policies of different insurers and third party administrators can be a daunting task. To address these issues for doctors of chiropractic (DCs) and policymakers, the Council for Chiropractic Guidelines and Practice Parameters (CCGPP) developed three consensus documents. Each of these documents was the outcome of a formal consensus process in which a multidisciplinary Delphi panel consisting of experts in chiropractic and low back pain treatment came to agreement on terminology and treatment parameters for the chiropractic management of spine-related musculoskeletal pain. 1-3 Their recommendations were based on a combination of consideration of the current evidence and their clinical judgment. In addition, another consensus document related to care rendered by doctors of chiropractic for the purpose of health promotion, disease prevention, and wellness, developed through a project funded by the NCMIC Foundation, was also referenced to clarify terminology used in the algorithms.⁴ (**See Table 1**.)

Table 1. Definition of terms related to acute and chronic care.

The terms "supportive care" and "maintenance care," which are frequently used within the chiropractic health care arena, are not consistent with general healthcare industry lexicon. Instead of "supportive care," we use the more descriptive term, "ongoing/recurrent" care. Chronic pain management can be divided into three categories: (1) those who can home manage; (2) those who can be managed with episodic care; and (3) those who need "scheduled" ongoing care, which is a very small proportion of chronic pain sufferers. Those patients require proper documentation of responses to care and procedures, including therapeutic withdrawal response, multi-modal, multi-disciplinary consideration, patient education, etc. Other related consensus-based terms: 1,2

• Medically necessary care of acute conditions: "care that is reasonable and necessary for the diagnosis and treatment of a patient with a health concern and for which there is a therapeutic care plan and a

goal of functional improvement and/or pain relief."1,p.461

- Medically necessary care for recurrent/chronic conditions: "care that is provided when the injury/illness is not expected to completely resolve after a treatment regimen but where continued care can reasonably be expected to result in documentable improvement for the patient." 1,p.461
- Chiropractic management of chronic/recurrent conditions: "Chiropractic care provided for the purpose of preventing relapse and/or exacerbations of the original complaint(s) as well as associated comorbidities."2, p. 560
- · Chiropractic wellness care or preventive care: "Chiropractic care provided for the purpose of preventing disease, optimizing function, and supporting the patient's wellness-related activities." 2, p. 560

In order to make the recommendations in these three documents more accessible to users, the CCGPP created a set of algorithms based on these consensus recommendations. Clinical algorithms essentially provide a map to guide the practitioner in case management, especially for complex and multifactorial conditions. Using evidence-based clinical algorithms supports effective standardized care. 5 To ensure that the algorithms accurately represented the consensus recommendations, they were reviewed by a group of experts and then revised as per the experts' comments. Experts invited to review were 1) 2 members of CCGPP's Research Panel; 2) 5 members of the CCGPP board representing districts of the Congress of Chiropractic State Associations (COCSA); 3) all 59 Delphi panelists who participated in the consensus projects on acute and chronic spine-related pain. There were a total of 66 invited; 3 Delphi panelists did not have valid e-mail addresses, reducing the total to 63. Of these, responses were provided by 1) 2 of 2 Research Panel members; 2) 3 of 5 COCSA representatives; and 3) 20/56 Delphi panelists, for an overall response rate of 38%.

These algorithms are only a guide, and are not appropriate for all patients and conditions. In particular, it should be noted that they relate specifically to spine-related pain, so are not applicable to other chiropractic treatment objectives. Furthermore, these algorithms are designed to guide the DC in planning the stages of care. They do not dictate the type of treatment procedures provided. These are detailed elsewhere. In general, these may include the following, as per the clinician's assessment of patient needs: Active care procedures, such as rehabilitation/therapeutic exercises; counseling on activities of daily living, home exercise, pain management, other aspects of self-management and other lifestyle factors; passive care, such as manual therapy including joint adjustment/manipulation, joint mobilization, and soft tissue techniques; physical modalities; acupuncture; bracing, taping and orthoses; and nutritional and nutriceutical support.

These algorithms are designed to assist in the management of spine-related pain. They were designed for the chiropractic profession, but other provider types may also find them useful, since the algorithms do not specifically address the components of the treatment visit.

The algorithms are not designed for the management of other clinical objectives, such as non-painful functional or structural spinal care. They are also not appropriate for wellness care or other types of prevention and/or health promotion. If the algorithm suggests the release or referral of a patient, then the patient has either recovered or the clinical objective is outside the scope of this algorithm. See Figures 1-3 for the algorithms. For detailed information on the consensus projects from which these algorithms were derived, the reader is referred to the original papers. 1-3

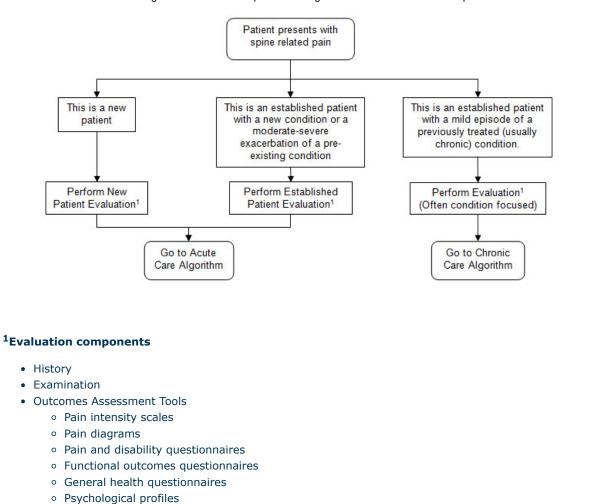
Figure 1. Algorithm for the Chiropractic Treatment of Spine Related Pain

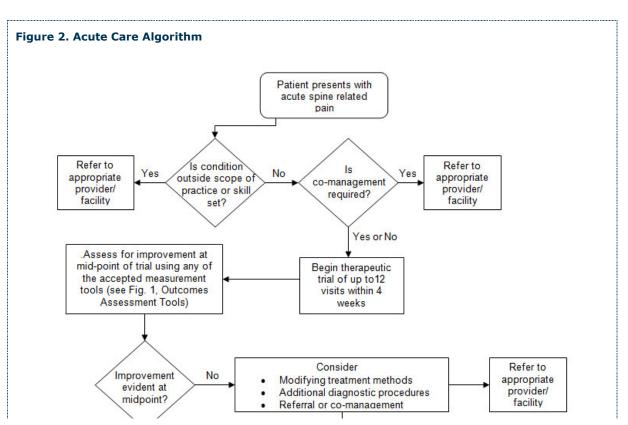
Cur Abo Edi Aut Ins Rej Aut Per

¹ Dehen MD, Whalen WM, Farabaugh RJ, Hawk C. Consensus terminology for stages of care: acute, chronic, recurrent, and wellness. J Manipulative Physiol Ther 2010;33(6):458-463.

² Hawk C, Schneider M, Evans MW, Jr., Redwood D. Consensus process to develop a best-practice document on the role of chiropractic care in health promotion, disease prevention, and wellness. J Manipulative Physiol *Ther* 2012:35(7):556-567.

· Imaging if warranted





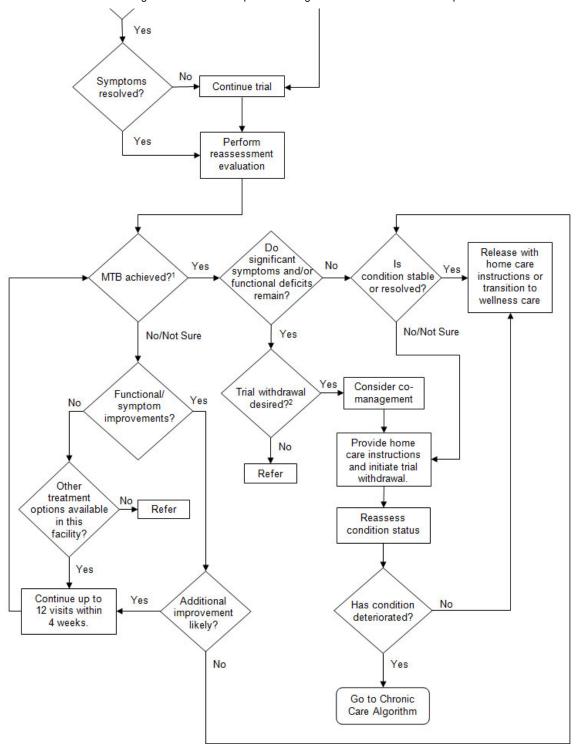
Cur Abo Edi

Aut

Ins Rej

Aut Per

Ack



¹ MTB= maximum therapeutic benefit

²Trial withdrawal

A trial withdrawal may be necessary once a patient reaches maximum therapeutic improvement. This helps to determine if the condition recovery is stable. If the condition has deteriorated after the trial, then chronic or ongoing care may be necessary to maintain function and minimize symptoms. The therapeutic withdrawal can be gradual, where the patient's care is tapered off. It can also be abrupt, with the patient instructed to return if the symptoms recur; or the patient can be scheduled for an evaluation at a later date to determine if there is any regression.

Cur Abo

Edi

Aut Ins

Rej

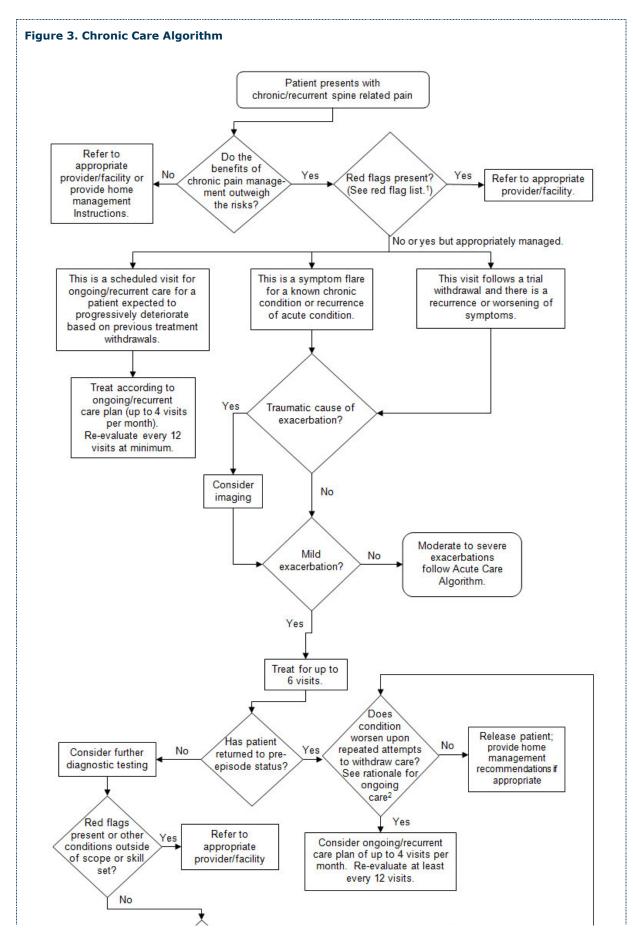
Aut

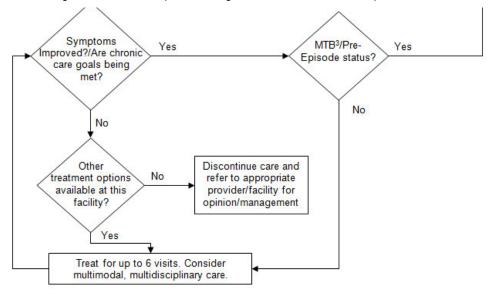
Per

Abo Edi Aut Ins Rej Aut

> Per Ack

> Cur





¹ Red Flags

- Progressive neurological disorders
- · Cauda equina syndrome
- Bone weakening disorders; i.e.; acute spinal fracture, spinal infection, spinal or extra-vertebral bony malignancies
- Tumor
- · Articular derangements indicating instability; i.e., active avascular necrosis in weight-bearing joints

²Documentation of necessity of ongoing care (in addition to standard documentation):*

- · Clinically meaningful response to initial treatment
- Maximum therapeutic benefit (MTB)
- Significant residual activity limitations
- Attempts to transition to self-care
- Consideration of alternative treatment approaches
- Factors affecting likelihood that self-care alone will sustain MTI (see Complicating Factors, below)

Complicating factors*

Patient characteristics

- Older age
- Psychosocial factors
- Delay treatment >7 days
- Non-compliance
- Lifestyle habits
- Obesity**
- Type of work activities

Injury characteristics

- Severe initial injury
- > 3 previous episodes
- Severe signs and symptoms
- Number/severity previous exacerbations
- Treatment withdrawal fails to sustain MTI

History

- Pre-existing pathology/surgery
- · History of lost time
- History of prior treatment
- · Congenital anomalies
- · Symptoms persist despite previous treatment

Abo Edi

Cur

Διπ Ins Rej

Aut Per

^{*} This list is not all-inclusive. Source: Farabaugh RJ, Dehen MD, Hawk C. Management of chronic spinerelated conditions: Consensus recommendations of a multidisciplinary panel. J Manipulative Physiol Ther 2010;33(7):484-492.

^{**}Source: Harvard Health Letter. Drop pounds to relieve back pain. Strengthening your core muscles can also help. Harv Health Lett 2012;37(10):4.6

³ MTB=maximum therapeutic benefit

Acknowledgements

The authors thank the experts who generously donated their time and expertise to reviewing the algorithms: Richard Branson, DC; Wayne Carr, DC; Frederick Carrick, DC, PhD; Jeffrey Cates, DC, MS, DABCO; Gregory Doerr, DC, CCSP, ART, CSTI, CKTP; John Downes, DC; Joseph Ferstl, DC, FACO; Anthony Hall, DC; Michael Hall, DC, FIACN; Kathryn Hoiriis, DC; Cole Hosenfeld, DC, CCSP; Lawrence Humberstone, DC; Thomas Kosloff, DC; Kurt Kuhn, DC, PhD, MS; Glen Nykwest, DC; Mariangela Penna, DC; Reed Phillips, DC, PhD; Daniel Redwood, DC; Gregory Snow, DC; John Stites, DC, DACBR; Leonard Suiter, DC; David Taylor, DC, DABCN, FIACN. They also thank Michelle Anderson for coordinating all electronic communications for the project.



















Cur

Abo

Edi

Διπ

Ins Rej

Aut

Per

References

- Globe GA, Morris CE, Whalen WM, Farabaugh RJ, Hawk C. Chiropractic management of low back disorders: report from a consensus process. J Manipulative Physiol Ther 2008;31(9):651-658.
- Dehen MD, Whalen WM, Farabaugh RJ, Hawk C. Consensus terminology for stages of care: acute, chronic, recurrent, and wellness. J Manipulative Physiol Ther 2010;33(6):458-463.
- Farabaugh RJ, Dehen MD, Hawk C. Management of chronic spine-related conditions: consensus recommendations of a multidisciplinary panel. J Manipulative Physiol Therp 2010;33(7):484-492.
- Hawk C, Schneider M, Evans MW, Jr., Redwood D. Consensus process to develop a best-practice document on the role of chiropractic care in health promotion, disease prevention, and wellness. J Manipulative Physiol Ther 2012:35(7):556-567.
- 5. Miller T, Ryan M, York C. Utlizing algorithms and pathways of care in allied health practice. Internet J Allied Health Sciences Practice 2005;3(2).
- Harvard Health Letter. Drop pounds to relieve back pain. Strengthening your core muscles can also help. Harv Health Lett 2012;37(10):4.

© 2021 HealthIndex, Inc. (formerly Action Potential, Inc.), P.O. Box 50837, Denton, Texas 76206-0837, 1-800-283-2287 Topics in Integrative Health Care, ChiroACCESS and the Manual, Alternative and Natural Therapy Index System (MANTIS) Database are trademarks or registered trademarks of HealthIndex, Inc. in the U.S. and/or other countries. All other trademarks are the property of their respective owners.