Policy: Medical Necessity Decision Assist Guideline for Musculoskeletal

Conditions and Somatic / Neuropathic Pain Disorders Involving

**Occupational Injuries** 

Date of Implementation: October 26, 2006

**Product:** Specialty

#### **OVERVIEW**

American Specialty Health – Specialty (ASH) is charged as a utilization review agent to ensure that practitioners comply with professionally recognized standards of practice, state adopted or mandated practice guidelines, and established diagnostic and treatment planning practices acceptable to ASH's clinical committees. ASH monitors and evaluates treatment/services provided by contracted practitioners. Clinical services evaluation decisions impact care. Every clinical treatment/service submitted to diagnose or treat an injured worker must be supported by clinical rationale that is supported by scientific evidence. ASH provides peer review evaluation of the appropriateness and effectiveness of submitted treatment/services, which include visits, examinations, diagnostic tests, and diagnostic procedures. State mandates, regulatory requirements, accreditation standards, or specific client agreements may influence the standards or guidelines utilized in this evaluation of medical necessity.

The following provides a structured approach to the medical necessity decision-making process for musculoskeletal occupational injuries. For more comprehensive information related to specific injuries or body parts, ASH relies upon the American College of Occupational and Environmental Medicine Occupational Medicine Practice Guidelines (hereafter cited as ACOEM), Official Disability Guidelines (hereafter cited as ODG), Medical Treatment Guidelines issued by the State of Colorado - Department of Labor and Employment Division of Workers' Compensation (hereafter cited as "Colorado Guidelines") and/or other evidence-based treatment guidelines that are generally recognized by the national medical community and are scientifically based. Clinician review ensures that care is consistent with ACOEM, ODG, Colorado Guidelines, and other evidence-based practices, and meets current peer-review medical standards and guidelines.

Treatment/Services for musculoskeletal occupational injuries are *appropriate* when:

- Necessary to cure or relieve the effects of the injury;
- Safe or the benefit outweighs any risk;
- Consistent with the recipient's work-related symptoms, diagnoses, condition, or injury;
- Meeting the prevailing standard for medical care, as outlined in the ACOEM, ODG, Colorado Guidelines (for acupuncture) or other accepted evidenced-based guidelines, (unless the treating physician has presented reasonable information to explain why the particular patient does need atypical, unexpected treatment);

Page 1 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

- Likely to provide a clinically meaningful benefit;
- Likely more effective than more conservative or less costly services;
- Reasonably expected to diagnose, correct, cure, alleviate or prevent worsening of the accepted illnesses or injuries.

Additional consideration in deciding the necessity and appropriateness of submitted treatment/services includes:

- Care is focused on rapid attainment of a defined, objective functional outcome;
- History and examination result in accurate Musculoskeletal diagnosis to ensure submitted treatment/services is/are appropriate;
- History and examination result in accurate physical assessment for potential contraindications to treatment/services submitted which result in appropriate referral or co-management;
- Treatment planning and treatment interventions are evidence-based and likely to result in reaching the defined functional outcome;
- Care is for an accepted incident and accepted body part by the worker's compensation insurance administrator.

### MEDICAL NECESSITY

ASH clinical quality evaluators evaluate medical necessity of services consistent with the definition of medical necessity adopted by ASH Quality Oversight Committee.

"Medically Necessary" or "Medical Necessity" shall mean health care services that a Healthcare Provider, exercising **Prudent Clinical Judgment**, would provide to a patient for the purpose of evaluating, diagnosing, or treating an illness, injury, disease or its symptoms, and that are (a) in accordance with **Generally Accepted Standards of Medical Practice**; (b) clinically appropriate in terms of type, frequency, extent, site, and duration; and **Considered Effective** for the patient's illness, injury, or disease; and (c) not primarily for the **Convenience of the Patient or Healthcare Provider**, and not more costly than an alternative service or sequence of services at least as likely to produce equivalent therapeutic or diagnostic results as to the diagnosis or treatment of that patient's illness, injury, or disease. For more information, see policy Medical Necessity Definition – UM 8.

# <u>Core Clinical Review Elements Critical to Utilization Review of Musculoskeletal Occupational Injuries</u>

It is important to note that critical peer-evaluation of medical necessity of services, especially within the diagnosis groups representing musculoskeletal disorders, requires the practitioner to approach the clinical data and scientific evidence from a global perspective synthesizing the various elements into a congruent clinical picture. The following is provided to assist the clinical evaluation cognitive process.

## **Historical Elements:**

• Onset mechanism and date of onset are appropriate for musculoskeletal etiology;

Page 2 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised – February 21, 2019
To CQT for review 01/15/19
CQT reviewed 01/15/19
To QIC for review and approval 02/05/19
QIC reviewed and approved 02/05/19
To QOC for review and approval 02/21/19
QOC reviewed and approved 02/21/19

- The condition is musculoskeletal and work related (arose out of employment or occurred in the course of that employment);
  - Past history of pertinent related and unrelated medical conditions and response to care does not present contraindication(s) to submitted treatment/services;
  - Chief complaint has a musculoskeletal component amenable to submitted treatment/services;
  - Disability and impairment related to past history or chief complaint (e.g., performance of Activities of Daily Living (ADLs));
  - Functionally based patient self-assessment tools (e.g., Oswestry, Neck Disability Index) and outcome measurement goals are implemented to establish a baseline and progress is taken into consideration during treatment planning;
  - There is historical and diagnostic evidence that the condition(s) being treated is/are work related.

## **Examination Elements:**

1

3

4

5

6

7

8

9

10

11 12

13

14

15

16

17

18

19

20

21

22

2324

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

- Examination procedures and intensity are appropriate for the accepted chief complaint and historical findings;
- Objective assessment of functional limitations and palpatory, orthopedic, neurologic, range of motion assessment in degrees and other physical examination findings are appropriately documented including the nature, extent, severity, character, and significance of the finding in relation to the accepted chief complaint, the diagnosis, and treatment planning;
- Examination findings provide a reasonable and reliable basis for the stated diagnosis and treatment planning taking into account variables such as age, sex, physical conditioning, occupational and recreational activities, co-morbid conditions, etc.

# Radiographic or Special Study Elements (e.g., MRI, CT, Videofluoroscopy and Diagnostic Ultrasound):

ASH relies upon ACOEM, ODG, Colorado Guidelines, and/or other valid evidence-based treatment guidelines that are generally recognized by the national medical community and are scientifically based in guiding medical necessity decisions.

- Laboratory tests are performed only when necessary to improve diagnostic accuracy and treatment planning. Abnormal values are interpreted as they related to the musculoskeletal chief complaint or to unrelated co-morbid conditions that may or may not be contraindications to submitted treatment/services. Laboratory testing in the management of musculoskeletal occupational injuries is not generally necessary and requires specific documentation of the rationale for ordering.
- X-ray procedures are performed only when necessary to improve diagnostic accuracy and treatment planning. Indicators from history and physical examination supporting the need for X-ray procedures are described in the *X-Ray Guidelines* (*CPG 1 S*) ASH clinical practice guideline and in ACOEM Guidelines. In the absence of recognized red-flags, plain film radiography is generally not necessary in order to initiate a trial of care.

Page 3 of 25

- The use of x-ray or advanced imaging should be carefully considered. Reliance solely on imaging studies to evaluate the source of pain in the injured part carries a significant risk of diagnostic confusion (false positive test results) because of the possibility of identifying a preexisting condition that has no association with the presenting area of injury. Advanced imaging findings, when medically necessary and/or available, are evaluated for structural integrity and to rule out osseous or related soft tissue pathology.
- Electro-diagnostic studies, when medically necessary and/or available, are evaluated for objective neural deficit. Electro-diagnostic studies are not considered medically necessary in the absence of clinical indicators of neurologic deficit on physical examination. For more information, see the *Electrodiagnostic Testing (CPG 129 S)* clinical practice guideline.

13

14

15

1

2

3

4

5

6

7

8 9

All diagnostic studies and services must be consistent with the injured worker's accepted area(s) of injury. Only injuries arising out of and/or in the course of employment shall be compensable under the Workers' Compensation system. All services rendered for non-industrial injuries or illnesses are solely the responsibility of the patient. If there are inconsistencies with the injured worker's description of their injury or illness, the inconsistencies must be explained in detail.

16 17 18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

## **Treatment Planning Elements:**

- Dosage (frequency and duration of care) is appropriately correlated with clinical findings and clinical evidence and represents a reasonable clinical trial of care consistent with anticipated intermediate care thresholds that signify the need to evaluate progress.
- Therapeutic goals are functionally based, realistic, measurable and evidence-based.
- Treatment/therapy type and relationship to condition and functional goals is appropriate.
- Determining *clinically significant progress* is important in order to determine the need for continued care, the appropriate frequency, estimated date of release from care, and whether a change in the treatment plan or a referral to another appropriate health care provider is indicated. Clinically significant progress is defined as the statistically minimal significant change noted on a reliable and valid outcome tool. Actual significance requires correlation with the overall clinical presentation, including updated subjective and objective examination findings.
- Home exercise programs, self-care, and active-care instructions are documented within medical records.
- Durable Medical Equipment (DME), Supplies, and Supports are provided only when medically necessary for treatment of the work related condition and appropriately correlated with clinical findings and clinical evidence.

353637

38

39

40

41

## Approval of Treatment/Services is Considered if:

- Services are for an accepted work-related condition;
- Services are within scope of practice of the practitioner;
- Condition is reasonably expected to be amenable to treatment/services submitted;
- No evidence of contraindication to submitted treatment/services:

Page 4 of 25

#### CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised – February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

- Documentation supports practitioner's diagnosis and treatment plan;
  - Clinically significant progress is evident through submitted records;
    - Documentation supports progression toward active home/self-care and discharge.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

2

## Denial or Modification of Submitted Treatment/Services is Considered if:

- Treatment is not in scope of license for that practitioner;
- The documentation fails to support the diagnosis;
- They are determined to be inappropriate or unrelated to accepted industrial injury;
- Red flags present through history and physical examination and/or response to care requiring urgent attention, further testing, and/or possible specialist referral;
- Initial trial of care is unsuccessful;
- Treatment/services are preventive or maintenance/elective care;
- Inconsistent chief complaints between the treating practitioners and patients;
- Outdated exam findings;
- Frequent flare ups;
- Clinically significant therapeutic progress is not evident through assessment of the records submitted, indicating maximum therapeutic benefit or maximum medical improvement has been reached and patient should have an MMI (Permanent and Stationary) examination;
- Patient has returned to pre-injury status with no residuals;
- Evidence is present of treatment dependency and/or presence of yellow flags (subjective risk factors with a psychosocial predominance associated with chronic pain and disability).

212223

24

25

## **Clinical Decision-Making Elements**

The following tables provide some of the clinical elements that should be considered by the clinical quality evaluator when determining the severity of the condition(s) submitted by a treating practitioner.

262728

29

A single symptom or clinical finding, in isolation, generally will not define the appropriate approval or denial of services. The entire clinical picture must be taken into account. Specific contraindications to proposed interventions may result in denial of care.

30 31 32

## **Table A: Guidelines for Determining Condition Severity**

Criteria	Mild Conditions	<b>Moderate Conditions</b>	<b>Severe Conditions</b>
Severity of Pain (1–10 scale)	1–4	5–7	8–10

Page 5 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

Criteria	<b>Mild Conditions</b>	<b>Moderate Conditions</b>	<b>Severe Conditions</b>
Activities of Daily Living (ADLs)	Minimal or no effect on ADLs	May have some effect on ADLs	Considerable effect on ADLs
Exam Findings: 1) Range of Motion 2) Palpatory Tenderness 3) Neurologic Findings 4) Orthopedic Testing	Consistent with mild severity:  1) Mild or no loss 2) Mild to moderate 3) None 4) Variable	Consistent with moderate severity:  1) Mild to moderate loss 2) Moderate to marked 3) None 4) Variable	Consistent with severe conditions:  1) Considerable or excessive loss 2) Marked or severe 3) May be present 4) Positive findings with pain

1

Factors that influence ASH medical necessity decisions for musculoskeletal occupational injuries are summarized in the following tables:

4 5

## **Spinal Injuries:**

6 7

- Approval of new treatment plan
- Approval of continuing treatment plan
- Denial of new or continuing treatment plan
- Cases that require referral or coordination of care

9 10 11

12

13

14

15

8

### **Extremity Injuries:**

- Approval of new treatment plan
- Approval of continuing treatment plan
- Denial of new or continuing treatment plan
- Cases that require referral or coordination of care

16 17

# **Occupational Spinal Injuries**

(Examples include but are not limited to: strains/sprains of spine, sacroiliac sprain, spinal pain with or without progressive neurological deficit, spinal segmental dysfunction)

19 20 21

18

Approve appropriate dosage of care under first treatment plan for the present episode.

History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
Onset may be rapid or insidious and may be due to	Clinical findings that may support the initiation of a trial	Ascertain that requested care is for the accepted injury, if not,

Page 6 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19 QOC reviewed and approved 02/21/19

History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
specific traumatic, overuse, or be a flare-up of previous episode.  Mechanism must be consistent with work causation (e.g., lifting under load/significant force, twisting, turning, bending, fall, direct blow)  Pain that is mild, moderate, or severe  Functional deficit reported that is amenable to care  Red Flag conditions:  Absence of signs or symptoms suggesting red flag conditions (e.g., symptoms and/or signs of infection, metastatic disease, acute progressive neurological deficit, cauda equina syndrome, vertebral basilar artery insufficiency)  Yellow Flags conditions:  Absence of yellow flags (subjective risk factors with a psychosocial predominance associated with chronic pain and disability)  Activities of Daily Living (ADLs): May have restrictions	of care should include one or more of the following:  Positive orthopedic tests, include testing for lumbosacral nerve root tension  The presence of non-progressive neurological signs. If neurological signs are present then examination should demonstrate correlation of nerve root level with sensory, pain and motor findings  Tenderness to palpation  Muscle spasm/hypertonicity  Inflammation  Abnormal posture and/or gait  Functional limitations  Limited ranges of motion (ROM)  Coherence between history, examination findings, diagnosis and treatment plan  Absence of clinical findings that may contraindicate the initiation of a trial of care:  Findings suggestive of infection, fracture, saddle anesthesia, or organic pathology  Non-physiologic responses (e.g., axial loading simulation, fixed pelvic rotation, exaggerated pain response, distraction	contact practitioner and/or workers' compensation administrator for clarification and correction.  Approve trial of care or the level of care necessary for pain/symptom relief and functional improvement as indicated by:  • Age  • Severity  • Functional limitations  • All submitted pertinent clinical evidence (diagnostic evidence and/or therapeutic functional outcome evidence determined to be valid and reliable)  • Previous history and potential co-morbidities  • Review work restrictions/ work place modifications, if any, for appropriateness  Clinical quality evaluators are trained to identify variations in clinical presentation that may influence the approval of a treatment plan.  Contact practitioner by phone for:  • Clarification of red flag findings/conditions  • Requiring referral for cotreatment (e.g., pain medication.)

Page 7 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19 QOC reviewed and approved 02/21/19

History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
	simulation testing, non- specific symptoms, and observations of the patient outside of therapy examination room)  • Physical exam findings and/or test results suggestive of severe or progressive neurologic compromise that correlates with the medical history may indicate a need for immediate consultation.	<ul> <li>Discussion of work     restrictions/job modifications</li> <li>Discussion of inappropriate     treatment or diagnostics</li> <li>To recommend additional     treatment/diagnostic     interventions</li> </ul>

Clinical decisions are based on clinical quality evaluator experience guided by the above and as generally indicated by ACOEM guidelines, ODG guidelines, Colorado Guidelines, and/or other valid evidence-based treatment guidelines that are evidence-based and generally recognized by the national healthcare community; and:

5 6 7

4

• An understanding that similar case presentations should be handled in similar fashion in order to produce reasonably consistent results;

8 9 10

• Consideration that, for a given diagnosis, the effect of variability in general health status (age, gender, past medical history, psychosocial factors, and presence of co-morbid conditions) may influence the appropriate dosage of care;

12 13

11

 More than 80% of injured workers with symptoms of lumbar nerve root irritation due to herniated discs eventually recover without surgery.

14 15 Workers' compensation regulation requires periodic reporting by the primary treating physician (PTP) or when there is a significant change in the injured worker's condition.

16 17 18

Each state has specific requirements or rules that apply to administration of worker's compensation for that jurisdiction. The rules and regulations which pertain to a particular jurisdiction are available from that state's labor code and/or code of regulations or law.

19 20

- For management of acute spinal pain, acupuncture may be considered as reasonable for palliative therapy on a trial basis with emphasis on functional restoration of the injured worker towards normal
- 23 ADLs and work activities. Acupuncture shows promise in treatment of chronic neck and back pain.
- 24 Treatments should demonstrate some clinical benefit after 3-6 treatments to justify its continued use.

Page 8 of 25

Chiropractic or physical therapy for various spinal injuries usually involves spinal manipulation/mobilization, physical modalities, as well as exercise programs. Recommendations for spinal manipulative therapy in spinal injury vary from recommended to optional. It may be combined with exercise. It is reasonable to incorporate spinal manipulative therapy in context of functional restoration rather than pain relief alone. Emphasis is placed on a trial of one month of care followed by reevaluation of its efficacy. Treatment past one month should be monitored for risk of "physician dependence." Manipulation under anesthesia (MUA) of the spine is not recommended. If MUA is contemplated, additional documentation may be required to verify the medical necessity of the procedure.

9 10 11

12

13

1

2

3

4

5

6

7

8

There is no high grade evidence for use of passive modalities. They may be used for palliative therapy on a trial basis with emphasis on functional restoration of the injured worker towards normal ADLs and work activities. Use of passive modalities should be carefully monitored. Home applications of heat and cold may be as effective as those by therapists.

14 15 16

Neck collars and back supports have not demonstrated efficacy beyond the acute phase of symptom relief.

17 18 19

20

21

22

23

24

As a general principle, injured workers should modify activities that precipitate symptoms and general activities and motion should be continued. Only the most severe cases of spinal injury (primarily those with radicular pain) require temporary bed rest. Prolonged bed rest (more than two days) has potential debilitating effects, and its efficacy in treating acute spinal pain is unproved. Therapeutic exercise should start as soon as it can be done without aggravating symptoms. Instruction in proper exercise technique is important, and a few visits to a qualified health care practitioner may serve to educate the injured worker about an effective home exercise program.

25 26 27

28

29

30

X-ray procedures are performed only when necessary to improve diagnostic accuracy and treatment planning. Indicators from history and physical examination supporting the need for X-ray procedures are described in the X-Ray Guidelines (CPG 1-S) clinical practice guideline and in ACOEM Guidelines. In the absence of recognized red-flags, plain film radiography is generally not necessary in order to initiate a trial of care.

31 32 33

Approve appropriate dosage of care for continuation of a care for an ongoing episode.

Patient History/Complaint	Clinical Findings	Action by Clinical Quality
		Evaluator
Clinically significant	Clinical findings that support the	Approve the level of care
improvement reported (but	continuation of care for an	necessary for pain/symptom
not to pre-clinical status) in	ongoing episode include the	relief and functional
domains such as:	following:	improvement if:
• Pain	Improved orthopedic and/or	The injured worker has made
• Frequency of symptoms	neurological findings	reasonable progress toward

Page 9 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19

<b>Patient History/Complaint</b>	Clinical Findings	Action by Clinical Quality
		Evaluator
<ul> <li>Reduction of work restrictions or return to work</li> <li>Functional deficit as compared to baseline</li> <li>Centralization¹ of referred and/or radiating pain if symptoms were originally present</li> <li>Absence of red flags (e.g., symptoms and/or signs of infection, metastatic disease, acute progressive neurological deficit, cauda equina syndrome, vertebral basilar artery insufficiency)</li> <li>Additionally:         <ul> <li>Care is transitioning from passive to active care</li> <li>Documented appropriate coordination of other appropriate health care services, if necessary</li> <li>Absence of yellow flags or treatment dependency</li> <li>Injured worker complying with treatment plan (e.g., willingness to make necessary lifestyle changes to help reduce frequency and intensity of symptoms)</li> </ul> </li> </ul>	<ul> <li>Decreased tenderness</li> <li>Decreased hypertonicity</li> <li>Improved ROM at area of complaint including decreased pain and/or increased range.</li> <li>Functional improvement</li> <li>Absent non-physiologic responses (e.g., axial loading simulation, fixed pelvic rotation, exaggerated pain response, distraction simulation testing, nonspecific symptoms, and observations of the injured worker outside of therapy/examination room)</li> <li>Increased ability to perform work and/or ADLs</li> <li>No evidence that a treatment dependency is developing</li> <li>Coherence between the injured worker's response to care and the new treatment proposal</li> <li>Absence of clinical findings that may contraindicate continuation of care:</li> <li>Infection, fracture, organic pathology, or non-physiologic signs</li> </ul>	pre-clinical status or functional outcomes under the initial treatment/services  Additional significant improvement can be reasonably expected by continued treatment  The injured worker has not reached maximum therapeutic benefit (MTB) or maximum medical improvement (MMI)  There is no indication that immediate care/evaluation is required by other health care professionals.  High probability that the ability to function will continue to improve and/or resolve with additional treatment.  Clinical quality evaluators are trained to identify variations in clinical presentation that may influence the approval of a treatment plan

<sup>&</sup>lt;sup>1</sup> Centralization means pain moves up the extremity and toward the center of the spine. Even if the pain becomes more intense, as long as it moves up the extremity and toward the center of the spine it is centralizing. Reduction of a disk derangement is accompanied by centralization, and worsening of a disk derangement is accompanied by peripheralization. Therefore, centralization is generally thought to be desirable, and peripheralization is not.

Page 10 of 25

CPG 78 Revision 12 - S

 $Medical\ Necessity\ Decision-Assist\ Guideline\ for\ Musculoskeletal\ Conditions\ and\ Somatic\ /\ Neuropathic\ Pain\ Disorders\ Involving\ Occupational\ Injuries$ 

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19
To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
No indication that the need for additional care is due to new complicating factors or misdiagnosis		

Uncomplicated musculoskeletal conditions do not typically require care beyond the initial treatment plan. Ongoing care for an acute episode of spinal somatic pain is typically approved in 30 - 45 day increments. Frequency of care generally decreases as symptoms and clinical findings improve. Prolonged reliance on passive care, including acupuncture and manipulation, is not supported by the clinical literature. Appropriate transition from passive to active treatment modalities should be considered in the determination of medical/clinical necessity of ongoing care.

Deny initial or continuing treatment plan for present episode.

Deny initial or continuing treatment plan for present episode.			
History/Complaint	Clinical Findings	Action by Clinical Quality	
		Evaluator	
Initial Treatment Plan:			
• Injury is not work related	Essentially normal exam to	Deny or modify the level of	
• Care is to a non-accepted	include but not limited to:	care requested by practitioner as	
body region	Normal orthopedic and/or	indicated by:	
• Presence of red flags	neurological exam	<ul> <li>Unremarkable patient</li> </ul>	
(e.g., symptoms and/or	• +0 to +1 Tenderness	history	
signs of infection,	• +0 to +1 muscle tonicity	Minimal or no clinical	
metastatic disease, acute	<ul> <li>Normal regional ROMs</li> </ul>	findings	
progressive neurological		<ul> <li>Incomplete physical</li> </ul>	
deficit, cauda equina	Additionally:	examination; or	
syndrome, vertebral	Signs of active	Care is preventive or	
basilar artery	cerebrovascular or	maintenance/elective care;	
insufficiency)	vertebrobasilar involvement	Care is provided for non - work	
Numeric Pain Rating	Signs of cauda equina	related condition.	
Scale (NPRS) ≤1	involvement		
No functional deficit	Signs of neurological	Indications of red or yellow flag	
reported	compromise	conditions may need to be	
Preventive or	Poor coherence between	investigated and addressed in	
maintenance/elective care	history, work relatedness,	cases of delayed recovery or	
• Evidence of treatment	examination findings,	prolonged time off work	
dependency and/or	diagnosis and treatment plan	Defended may be an ention	
presence of yellow flags	Non-physiologic responses	Referral may be an option.	
	(e.g., axial loading simulation,		
	fixed pelvic rotation,		

Page 11 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised – February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
	exaggerated pain response, distraction simulation testing, nondermatomal/myotomal symptoms, and observations of the injured worker outside of therapy examination room)	
<ul> <li>Ongoing Care:         <ul> <li>Care is to a non-accepted body region</li> </ul> </li> <li>Insufficient response to initial trial of care/lack of clinically significant progress.</li> <li>Injured worker has returned to pre-injury status.</li> <li>The injured worker reached maximum therapeutic benefit (MTB) or maximum medical improvement (MMI).</li> <li>Additional care is preventive or maintenance/elective care and therefore not work related.</li> <li>Presence of red flags (e.g., symptoms and/or signs of infection, metastatic disease, acute progressive neurological deficit, cauda equina syndrome, vertebral basilar artery insufficiency)</li> </ul>	Same factors as with initial treatment plan in addition to:  • Examination findings have returned to pre-injury status.  • Improvement in physical findings is not clinically significant following two successive treatment trials.	Deny or modify the level of care requested by practitioner as indicated by:  Injured worker has returned to pre-injury status  The injured worker has reached maximum therapeutic benefit (MTB) or maximum medical improvement (MMI)  If continuing care, minimal to no improvement in physical findings present following two successive reexaminations  No probability that the condition will continue to improve and/or resolve with additional treatment  Referral may be an option  May need to coordinate with Claims Administrator for an MMI (Permanent and Stationary) evaluation.  Possible yellow flag conditions (e.g., psychosocial, workplace or socioeconomic problems) may need to be investigated and addressed in cases of

Page 12 of 25

### CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19 QOC reviewed and approved 02/21/19

Once the injured worker reaches MMI (Permanent and Stationary Status) coordination should occur between the practitioner and the primary treating physician (PTP) (if the practitioner is acting as the secondary physician) or between the practitioner as PTP and the Claims administrator and UR agent for consideration of an MMI (Permanent and Stationary) Report.

Need for referral or coordination of care for new or continuing patient.

Patient History/Complaint	Clinical Findings	Action by Clinical Quality
		Evaluator
<ul> <li>Presence of red flags (e.g., symptoms and/or signs of infection, metastatic disease, acute progressive neurological deficit, cauda equina syndrome, vertebral basilar artery insufficiency)</li> <li>Peripheralization<sup>2</sup> of referred or radiating pain or deterioration of neurological findings.</li> <li>Identification of comorbid conditions (e.g., history of stroke or TIAs, cauda equina syndrome, progressive spondylolithesis, moderate to severe hypertension, inflammatory arthritis, joint hyper-mobility, benign bone tumors,</li> </ul>	<ul> <li>Rapidly deteriorating         Orthopedic and/or         Neurological findings</li> <li>Signs of active         cerebrovascular or         vertebrobasilar involvement</li> <li>Cauda equina findings</li> <li>Rapidly deteriorating         orthopedic and/or         neurological findings</li> <li>Evidence or suspicion of         spinal fracture</li> <li>Clinical findings outside         scope of treatment</li> <li>Pain not provoked and/or         relieved through physical         examination procedures</li> </ul>	Recommend referral of the injured worker to PCP or other appropriate health care practitioner with the measure of urgency as warranted by the history and clinical findings.  Appropriately document all communication with attending practitioner.  Possible yellow flag conditions (e.g., psychosocial, workplace or socioeconomic problems) may need to be investigated and addressed in cases of delayed recovery or prolonged time off work.

<sup>&</sup>lt;sup>2</sup> Peripheralization means pain moves laterally away from the center of the spine and/or down the extremity. Reduction of a disk derangement is accompanied by centralization, and worsening of a disk derangement is accompanied by peripheralization. Therefore, centralization is generally thought to be desirable, and peripheralization is not.

Page 13 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised - February 21, 2019

To COT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

diso	orders or anticoagulant	
ther	apy) that represent	
relat	tive contraindications	
to sp	pinal manipulative	
care	<b>)</b>	
<ul><li>Syst</li></ul>	temically unwell (e.g.,	
weig	ght loss of greater	
than	4.5 kg over 6-month	
peri	od)	
• Gro	ss neurological deficit	
• Dete	erioration of	
func	ctional capacity	
Lacl	k of clinically	
sign	ificant progress	
desp	pite treatment.	
<ul><li>Con</li></ul>	stant, progressive	
non-	-mechanical pain	
• Gro	ss functional deficit	
repo	orted	

# Occupational Injuries: Extremity Pain/ Dysfunction

(e.g., sprain/ strain or pain syndromes of the shoulder, elbow, forearm, wrist, hand, hip, thigh, knee, leg ankle or foot)

Approve appropriate dosage of care under first treatment plan for the present episode.

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
Onset may be rapid or insidious and may be due to specific traumatic, overuse, or be a flare-up of previous episode.  Mechanism must be consistent with work causation (e.g., overuse of the extremity, vibration, acute excess loading, blunt trauma, fall on the extremity, repetitive use of the extremity prolonged weight bearing or	Clinical findings that may support the initiation of a trial of care should include one or more of the following:  • Positive orthopedic tests  • The presence of non-progressive neurological signs. If neurological signs are present then examination should demonstrate correlation of nerve root or peripheral nerve level with	Ascertain that requested care is for the accepted injury, if not, contact practitioner and/or workers' compensation administrator for clarification and correction.  Approve trial of care or the level of care necessary for acute pain/symptom relief and functional improvement as indicated by:  • Age

Page 14 of 25

CPG 78 Revision 12 - S

 $Medical\ Necessity\ Decision-Assist\ Guideline\ for\ Musculoskeletal\ Conditions\ and\ Somatic\ /\ Neuropathic\ Pain\ Disorders\ Involving\ Occupational\ Injuries$ 

Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

osteopenia, bleeding

QOC reviewed and approved 02/21/19

6

1

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
walking, repetitive motion under load)  Pain that is mild, moderate, or severe  Functional deficit reported that is amenable to care  Red Flag conditions:  Absence of signs or symptoms suggesting red flag conditions (e.g., infection, fracture, metastatic disease, progressive and/or gross neurological deficit, compartment syndromes, deep vein thrombosis, full tendon rupture, complicated fracture, avascular necrosis) which require medical referral and/or contraindicate manual therapies and acupuncture.  Yellow Flag conditions:  Absence of yellow flags (subjective risk factors with a psychosocial predominance associated with chronic pain and disability)  Activities of Daily Living (ADLs): May have restrictions	sensory, pain and motor findings.  Tenderness to palpation Muscle guarding/protective myospasm Inflammation Abnormal posture and/or gait Functional limitations Limited ranges of motion (ROM) Coherence between history, examination findings, diagnosis and treatment plan  Absence of clinical findings that may contraindicate the initiation of a trial of care: Findings suggestive of infection or organic pathology Non-physiologic responses or lack of correlation of the objective findings with the subjective complaints (e.g., exaggerated pain response, positive distraction or simulation testing findings, nondermatomal/myotomal symptoms, and observations of the injured worker outside of therapy examination room) Physical exam findings and/or test results suggestive of severe or progressive neurologic compromise, tumor or fracture that correlates with the medical history may indicate a need for immediate consultation.	<ul> <li>Severity</li> <li>Functional limitations</li> <li>All submitted pertinent clinical evidence (diagnostic evidence and/or therapeutic functional outcome evidence determined to be valid and reliable)</li> <li>Previous history and potential co-morbidities</li> <li>Review work restrictions/work place modifications, if any, for appropriateness</li> <li>Clinical quality evaluators are trained to identify variations in clinical presentation that may influence the approval of a treatment plan.</li> <li>Contact practitioner by phone for:         <ul> <li>Clarification of red flag findings/conditions</li> <li>Requiring referral for cotreatment (e.g., pain medication.)</li> <li>Discussion of work restrictions/job modifications</li> <li>Discussion of inappropriate treatment or diagnostics</li> <li>To recommend additional treatment/ diagnostic interventions</li> </ul> </li> </ul>

Page 15 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19 QOC reviewed and approved 02/21/19

Clinical decisions are based on clinical quality evaluator experience guided by the above and as generally indicated by ACOEM guidelines, ODG guidelines, Colorado Guidelines, and/or other valid evidence-based treatment guidelines that are generally recognized by the national medical community and are scientifically based; and:

- An understanding that similar case presentations should be handled in similar fashion in order to produce reasonably consistent results;
- Consideration that, for a given diagnosis, the effect of variability in general health status (age, gender, past medical history, psychosocial factors, and presence of co-morbid conditions) may influence the appropriate dosage of care.

Workers' compensation regulation requires periodic reporting by the primary treating physician (PTP) or when there is a significant change in the injured worker's condition.

Each state has specific requirements or rules that apply to administration of worker's compensation for that jurisdiction. The rules and regulations which pertain to a particular jurisdiction are available from that state's labor code and/or code of regulations or law.

Recommendations for the use of acupuncture in treatment of industrial injury to the extremities vary. It may be considered as reasonable for palliative therapy on a trial basis with emphasis on functional restoration of the injured worker towards normal ADLs and work activities. Factors for consideration include condition being treated, response to care, how long the condition has existed, treatment, experience/skill of the practitioner, and support from the evidence based literature. Treatment should demonstrate some clinical benefit after 3-6 treatments to justify its continued use.

Recommendations for the use of extremity joint manipulation in treatment of industrial injury to the extremities varies from "appropriate for a few weeks" to "not recommended". Factors for consideration include condition being treated, response to care, how long the condition has existed, treatment, experience/skill of the practitioner, and limited support from the evidence based literature.

Recommendations for the use of passive modalities in treatment of industrial injury to the extremities vary from appropriate for a few weeks, especially if tied to a home exercise program, to "not recommended". Factors for consideration include condition being treated, objective response to care, how long the condition has existed, treatment, experience/skill of the practitioner, and limited support from the evidence based literature.

Injured workers should avoid activities that precipitate symptoms but should continue general activities and motion. Therapeutic exercise should start as soon as it can be done without aggravating symptoms. Instruction in proper exercise technique is important, and a few visits to a qualified health care practitioner may serve to educate the injured worker about an effective home exercise program. Sophisticated rehabilitation programs involving equipment should be reserved for significant problems as an alternative to surgery or for postoperative rehabilitation. Properly conducted, these programs

Page 16 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised – February 21, 2019
To CQT for review 01/15/19
CQT reviewed 01/15/19
To QIC for review and approval 02/05/19
QIC reviewed and approved 02/05/19
To QOC for review and approval 02/21/19
QOC reviewed and approved 02/21/19

minimize the active participation of the therapist and direct the injured worker to take an active role in the program by simply using the equipment after instruction and then graduating to a home program.

Injured workers' at-home applications of heat or cold packs may be used before or after exercises and are as effective as those performed by a therapist.

4 5 6

3

Durable Medical Equipment or appliances may be appropriate for the injured extremity and directed to a goal of functional improvement.

7 8 9

10

11

12

X-ray procedures are performed only when necessary to improve diagnostic accuracy and treatment planning. Indicators from history and physical examination supporting the need for X-ray procedures are described in the *X-Ray Guidelines* ( $CPG\ 1-S$ ) ASH clinical practice guideline and in ACOEM Guidelines. In the absence of recognized red-flags, plain film radiography is generally not necessary in order to initiate a trial of care.

131415

16

# Approve appropriate dosage of care for continuation of a treatment plan for an ongoing episode.

episode.		
Patient History/Complaint	Clinical Findings	Action by Clinical Quality
		Evaluator
Clinically significant improvement reported (but not to pre-clinical status) in domains such as:  Pain Frequency of symptoms Reduction of work restrictions or return to work  Functional deficit as compared to baseline Absence of signs or symptoms suggesting red flag conditions (e.g., infection, fracture, metastatic disease, progressive and/or gross neurological deficit, compartment syndromes, deep vein thrombosis, full tendon rupture, complicated fracture, avascular necrosis)	Clinical findings that support the continuation of care for an ongoing episode include the following:  Improved orthopedic and/or neurological findings  Decreased tenderness  Decreased hypertonicity  Improved ROM at area of complaint including decreased pain and/or increased range.  Functional improvement  Absent non-physiologic responses or lack of correlation of the objective findings with the subjective complaints (e.g., exaggerated pain response, positive findings with distraction or simulation testing, nondermatomal/myotomal symptoms, and observations	Approve the level of care necessary for pain/symptom relief and functional improvement if:  The injured worker has made reasonable progress toward pre-clinical status or functional outcomes under the initial treatment/services  Additional significant improvement can be reasonably expected by continued treatment  The injured worker has not reached maximum therapeutic benefit (MTB) or maximum medical improvement (MMI)  There is no indication that immediate care/evaluation is required by other health care professionals.  High probability that the condition will continue to

Page 17 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
<ul> <li>Additionally:</li> <li>Care is transitioning from passive to active care</li> <li>Documented appropriate coordination of other appropriate health care services, if necessary</li> <li>Absence of yellow flags or treatment dependency</li> <li>Injured worker complying with treatment plan (e.g., willingness to make necessary lifestyle changes to help reduce frequency and intensity of symptoms</li> <li>No indication that the need for additional care is due to new complicating factors or misdiagnosis</li> </ul>	of the injured worker outside of therapy/examination room)  Increased ability to perform work and/or ADLs  No evidence that a treatment dependency is developing  Coherence between the injured worker's response to care and the new treatment proposal  Absence of clinical findings that may contraindicate continuation of care:  Infection, fracture, organic pathology, or non-physiologic findings	improve and/or resolve with additional treatment  Clinical quality evaluators are trained to identify variations in clinical presentation that may influence the approval of a treatment plan

Uncomplicated musculoskeletal conditions do not typically require care beyond the initial treatment plan. Ongoing care for an acute episode of extremity pain is typically approved in 30 - 45 day increments. Frequency of care generally decreases as symptoms and clinical findings improve. Prolonged reliance on passive care, including acupuncture, physiotherapy, and manipulation, is not supported by the clinical literature. Appropriate transition from passive to active treatment modalities should be considered in the determination of medical/clinical necessity of ongoing care.

Deny initial or continuing treatment plan for present episode.

Patient History/Complaint	Clinical Findings	Action by Clinical Quality
		Evaluator
Initial Treatment Plan:		
<ul> <li>Injury is not work related</li> <li>Care is to a non-accepted body region</li> <li>Presence of signs or symptoms suggesting red flag conditions (e.g., infection, fracture, metastatic disease,</li> </ul>	Essentially normal exam to include but not limited to:  Normal orthopedic and/or neurological exam  +0 to +1 Tenderness +0 to +1 muscle tonicity Normal regional ROMs	Deny or modify the level of care requested by practitioner as indicated by:  • Unremarkable patient history  • Minimal or no clinical findings

Page 18 of 25

CPG 78 Revision 12 - S

1

2

3

4

5

6

7 8

9

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
progressive and/or gross neurological deficit, compartment syndromes, deep vein thrombosis, full tendon rupture, complicated fracture, avascular necrosis)  • Numeric Pain Rating Scale (NPRS) ≤1  • No functional deficit reported  • Preventive or maintenance/elective care  • Evidence of treatment dependency and/or presence of yellow flags	<ul> <li>Additionally:</li> <li>Signs of neurological compromise</li> <li>Poor coherence between history, work relatedness, examination findings, diagnosis and treatment plan</li> <li>Non-physiologic responses or lack of correlation of the objective findings with the subjective complaints (e.g., exaggerated pain response, positive findings on distraction or simulation testing, nondermatomal/myotomal symptoms, and observations of the injured worker outside of therapy examination room)</li> </ul>	Incomplete physical examination; or Care is preventive or maintenance/elective care; Care is provided for non - work related condition.  Indications of red or yellow flag conditions may need to be investigated and addressed in cases of delayed recovery or prolonged time off work  Referral may be an option.
<ul> <li>Ongoing Care:         <ul> <li>Same factors as with initial treatment plan in addition to:</li> <ul> <li>Insufficient response to initial trial of care/lack of clinically significant progress.</li> <li>Injured worker has returned to pre-injury status</li> <li>The injured worker reached maximum therapeutic benefit (MTB) or maximum medical improvement (MMI). Once the injured worker reaches MMI (Permanent and Stationary Status) coordination for consideration of an MMI</li> </ul> </ul></li> </ul>	Same factors as with initial treatment plan in addition to:  • Examination findings have returned to pre-injury status.  • Improvement in physical findings is not clinically significant following two successive and different treatment trials.	Deny or modify the level of care requested by practitioner as indicated by:  Injured worker has returned to pre-injury status  The injured worker has reached maximum therapeutic benefit (MTB) or maximum medical improvement (MMI)  If continuing care, minimal to no improvement in physical findings present following two successive re-examinations  No probability that the condition will continue to

Page 19 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19 QOC reviewed and approved 02/21/19

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
<ul><li>(Permanent and Stationary)</li><li>Report should occur.</li><li>Care is ineffective.</li></ul>		<ul> <li>improve and/or resolve with additional treatment</li> <li>Referral may be an option</li> <li>May need to coordinate with Claims Administrator for an MMI (Permanent and Stationary) evaluation</li> </ul>

Need for referral or coordination of care for new or continuing patient.

Need for referral or coordination of care for new or continuing patient.			
Patient History/Complaint	Clinical Findings	Action by Clinical Quality	
		Evaluator	
<ul> <li>Presence of signs or symptoms suggesting red flag conditions (e.g., infection, fracture, metastatic disease, progressive and/or gross neurological deficit, compartment syndromes, deep vein thrombosis, full tendon rupture, complicated fracture, avascular necrosis)</li> <li>Identification of co-morbid conditions (e.g., moderate to severe hypertension, inflammatory arthritis, joint hyper-mobility, benign bone tumors, osteopenia, bleeding disorders or anticoagulant therapy) that represent relative contraindications to manipulative therapy</li> <li>Deteriorating condition</li> <li>Deterioration of functional capacity</li> <li>Lack of clinically significant progress despite</li> </ul>	<ul> <li>Rapidly deteriorating orthopedic and/or neurological findings</li> <li>Clinical and historical findings indicating potential for any of the red flag conditions (e.g., deep vein thrombosis or compartment syndrome)</li> <li>Evidence or suspicion of fracture</li> <li>Clinical findings outside scope of treatment of</li> <li>Pain not provoked and/or relieved through physical examination procedures</li> </ul>	Recommend referral of the injured worker to PCP or other appropriate health care practitioner with the measure of urgency as warranted by the history and clinical findings.  Appropriately document all communication with attending practitioner.  Possible yellow flag conditions (e.g., psychosocial, workplace or socioeconomic problems) may need to be investigated and addressed in cases of delayed recovery or prolonged time off work.	

Page 20 of 25

#### CPG 78 Revision 12 - S

1 2

> Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

#### Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19

Patient History/Complaint	Clinical Findings	Action by Clinical Quality Evaluator
treatment. Clinically significant progress is statistically minimal significant change noted on a reliable and valid outcome tool  Constant, progressive nonmechanical pain  Systemically unwell (e.g., weight loss of greater than 4.5 kg over 6-month period  Gross neurological deficit  Gross functional deficit reported		

## **Guideline Rationale**

In the development of clinical guidelines and their applications to the clinical decision-making process of ASH, clinical quality evaluators are guided by the following principles.

5 6

7 8

9

10

11

12

1

3

4

The utilization management policies of ASH are developed through the application of the principles of Evidence-Based-Health-Care (EBHC). Very broadly, EBHC advances these ideas:

1. A reliance on the original clinical scientific literature as the primary source of evidence.

- 2. An understanding of the rules of evidence in the evaluation of clinical scientific literature.
- 3. An understanding of the inherent limitations of experience, custom, and common sense as a guide to clinical effectiveness.
- 4. An understanding of the inherent limitations of basic science (in the absence of clinical science) as a guide to clinical effectiveness.

13 14 15

16

17

18

19

20

21

22

23

24

25

In the Institute of Medicine (2001), *Crossing the Quality Chasm*, it states, "Evidence-based practice is the integration of best research evidence with clinical expertise and patient values. BEST RESEARCH EVIDENCE refers to clinically relevant research, often from the basic health and clinical (medical) sciences, but especially from patient centered clinical research into the accuracy and precision of diagnostic tests (including the clinical examination); the power of prognostic markers; the efficacy and safety of therapeutic, rehabilitative, and preventive regimens. CLINICAL EXPERTISE means the ability to use clinical skills and past experience to rapidly identify each patient's unique health state and diagnosis, individual risks and benefits of potential interventions, and personal values and expectations. PATIENT VALUES refers to the unique preferences, concerns, and expectations that each patient brings to a clinical encounter and that must be integrated into clinical decisions."

Page 21 of 25

#### CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised - February 21, 2019

To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

Clinical decision-making is informed by both the basic and clinical sciences. Together, these two disciplines create a body of knowledge relative to the possible biological mechanisms, safety, efficacy, and effectiveness of a therapeutic intervention. This information will further provide insight into the validity, sensitivity, specificity, and reproducibility of specific diagnostic procedures. This knowledge is integrated with the physician's patient care clinical experience. Integrated Health Care evidence (clinical science, basic science integrated with the knowledge and art of patient care) can then be applied to an individual patient's unique situation to ensure that the patient can be cared for in a way that enables an individualized care plan with a goal of reduced suffering, a rapid return to normal activities, decreased sequellae, and decreased clinical risk; thus reducing outcome variation of randomly attempted interventions selected solely on the basis of clinician bias and belief.

EBHC is not about proof or certainty. It is a method of dealing with uncertainty. It is about weighing the evidence and weighing alternatives. EBHC recognizes the limitations and inherent unreliability of uncontrolled clinical observations and impressions and the inevitability of mistaken conclusions based on those uncontrolled observations. EBHC stresses the importance of outcomes-based clinical research, of regularly consulting original literature, and of understanding certain rules of evidence in order to evaluate that literature.

In applying these principles, the goal is to limit the range of acceptable diagnostic and treatment options that a clinician may consider. At the most extreme, the range of options might be limited to a single management profile. That is, there is one permitted diagnostic and treatment regimen while all others are proscribed.

For the types of conditions (musculoskeletal pain) that represent the bulk of ASH cases, a parallel set of rigid guidelines is particularly unsuitable. A given diagnosis with a given set of clinical findings has very poor predictive powers as to the prognosis of the case. In aggregate, it may be possible to make some concrete and specific statements about the probable course of 1000 cases of low back pain, but it is not possible to make such statements about a single case. Indeed, it is not yet possible to accurately identify the source of pain in the majority of cases of low back pain. In essence, every treatment episode is a trial of therapy. If the trial is rapidly successful, the injured worker is discharged in a few visits. If the trial of therapy shows no improvement within those first few weeks, it is unlikely that continuing the same course of treatment will change these results. And if the trial of therapy shows slow but continuing improvement, the treatment episode will be extended to maximize the clinical results. None of these outcomes is knowable on the basis of a given set of findings at the outset of the trial of therapy.

This being said, it does not follow that no standards can be applied to these conditions or that EBHC is not relevant to the problem. In applying EBHC to the management of musculoskeletal pain syndromes, the following sets of clinical literature are specifically considered:

• Natural history of condition

Page 22 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19

To QOC for review and approval 02/21/19

- The ability of specific diagnostic procedures (e.g., imaging) to make meaningful distinctions among episodes of condition
- The safety and efficiency profiles of such diagnostic procedures
- Relative safety and effectiveness of proposed treatment [e.g., spinal manipulative therapy (SMT), acupuncture, and physiotherapy interventions]
- Relative safety and effectiveness of available alternate treatments (e.g., NSAIDS)
- Cost of proposed intervention.

10

11

12

13

14

15

1

2

3

4

5

6

The existing clinical science on the management of back or neck pain, headaches, or other musculoskeletal pain syndromes provides a few instances of clinical absolutes. For example (with back pain), the clinical literature provides fairly conclusive evidence that surgical interventions for back pain should be used only if (a) there are significant neurological deficits; (b) the condition has proven refractory to more conservative interventions; and (c) a reasonable period of time has elapsed (up to 6 months) since the onset of the condition. The literature also provides definitive evidence that prescribed bed rest, and particularly in-patient bed rest, is absolutely proscribed beyond a very limited time period (about 36 hours).

16 17 18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

## **Clinical Principles**

The existing clinical science on back pain provides the following less absolute principles upon which clinical decisions can be made. Most of these principles can be extrapolated to the management of other spinal and extremity musculoskeletal complaints.

- The natural history of most cases of back pain is likely benign, with most cases capable of ultimate self-resolution within a period of several months.
- This symptomatic period may be reduced by the application of certain conservative interventions.
- A recurrence of back pain following resolution is likely.
- Routine spinal radiographs are not indicated for the evaluation of spinal pain syndromes in the absence of specific clinical findings (refer to the *X-Ray Guidelines (CPG 1 S)* clinical practice guideline, available online at www.ashlink.com).
- Advanced imaging (CT/MRI) is not typically indicated except in cases where significant neurological deficits already exist. Decisions regarding advance imaging are made on a case by case basis.
- A thorough history and physical/neurological exam are sufficient to identify red flags, which may require more aggressive evaluation.
- There is little evidence of effectiveness for passive physiotherapy modalities (ultra-sound, electrical muscle stimulation, etc.) beyond the acute phase of care (6 weeks).
- Overall, passive therapy should be limited. Reaching an active rehabilitation phase of care as
  rapidly as possible and minimizing dependence on passive forms of treatment/care usually
  lead to optimal result. Often complete resolution of pain is not possible until the injured
  worker begins to focus on increasing the number and kind of activities in which he/she
  participates.

Page 23 of 25

- There is evidence for the effectiveness of SMT, acupuncture, and physiotherapy for the treatment of musculoskeletal pain syndromes.
  - The strength of this evidence for SMT and other manual therapies is generally as strong as or stronger than for other conservative or physical modalities that might be considered. Acupuncture evidence is strongest for chronic pain.
  - However, there is no evidence that SMT, acupuncture, or Physical Therapy is the gold-standard intervention for any of the conditions for which they are known to be effective.
  - As such, there are always alternate treatment options to consider for any injured worker with musculoskeletal pain and related disorders.
  - The safety profile of SMT, acupuncture, and physiotherapy, in regard to both mild and serious complications, is highly favorable and likely superior to that of most standard medical interventions (e.g., NSAID therapy).
  - Disability-related pain can rarely be attributed only to a specific physical injury or pathology. Rather, disability is more correctly understood as a function of the interaction of a variety of factors, including physical/organic, psychological, social, economic, and secondary gain. This myriad should be considered when considering clinical interventions.

Clinical guidelines are to be considered in light of the clinical decision-making expertise of the clinical services manager and the individual case circumstance.

## **Cornerstones of ASH Clinical Management**

## **Quality Improvement-focused Quality Management**

• Systems planning and process improvements designed to meet the needs of dynamic internal and external expectations.

### **Clinical Quality Assurance and Clinical Improvement**

Real-time influence on the quality, clinical safety, and efficiency of delivery and the outcomes
of injured worker care.

## "Available Evidence" Based Decision Making

• Effectively and efficiently manage, using clinical facts and knowledge derived from all available evidence.

## **Clinical Competency**

• Competently provide clinical operations for corporation and clinical services to injured workers through competent, disciplined practitioners.

Page 24 of 25

CPG 78 Revision 12 - S

Medical Necessity Decision-Assist Guideline for Musculoskeletal Conditions and Somatic / Neuropathic Pain Disorders Involving Occupational Injuries

Revised – February 21, 2019
To CQT for review 01/15/19
CQT reviewed 01/15/19
To QIC for review and approval 02/05/19
QIC reviewed and approved 02/05/19
To QOC for review and approval 02/21/19
QOC reviewed and approved 02/21/19

2	
3	Commission on Health and Safety and Workers' Compensation SB 899 topic summary report -
4	version 4 (http://www.dir.ca.gov/chswc/SB899summary.html). Division of Workers'
5	Compensation Subchapter 1. Administrative Director—Administrative Rules §9785. Reporting
6	Duties of the Primary Treating Physician.
7	
8 9	Evidence-Based Medicine Working Group. (1992). Evidence-based medicine. A new approach to teaching the practice of medicine. <i>JAMA</i> , 268, 2420-2425.
	teaching the practice of medicine. JAMA, 200, 2420-2423.
10 11	Genovese, E. (2005). APG Insights. Elk Grove Village, IL: ACOEM.
12	
13	Glass, L. (Ed.). (2004). Occupational Medicine Practice Guidelines. Beverly Farms, MA: OEM
14	Press.
15	
16	Kennedy, C. Official Disability Guidelines 2012. Encinitas, CA: Work Loss Data Institute; 2011.
17	
18	Sackett, D. (2000). Institute of Medicine (2001), Crossing the Quality Chasm. National Academy
19	Press.
20	
21	UK BEAM Trial Team. United Kingdom back pain exercise and manipulation (UK BEAM)
22	randomized trial: cost effectiveness of physical treatments for back pain in primary care
23	http://bmj.com/cgi/content/full/329/7479/1381 originally published online 19 Nov 2004; British
24	Medical Journal.

References

1

 $Medical\ Necessity\ Decision-Assist\ Guideline\ for\ Musculoskeletal\ Conditions\ and\ Somatic\ /\ Neuropathic\ Pain\ Disorders\ Involving\ Occupational\ Injuries$ 

**Revised – February 21, 2019** To CQT for review 01/15/19

CQT reviewed 01/15/19

To QIC for review and approval 02/05/19

QIC reviewed and approved 02/05/19 To QOC for review and approval 02/21/19