

THE ATTORNEY'S GUIDE FOR

# **SPINAL SOFT TISSUE INJURIES**

THE FUTURE OF RESOLVING SPINAL INJURY CASES. DON'T GET LEFT BEHIND.

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## INTRODUCTION

You can break down "spinal soft tissue injuries" into two types of damage: disc ligament injuries and non-disc ligament injuries. Today's overwhelming concern for disc injuries and the near disregard for non-disc ligament injuries leads to very serious problems:

- Patients still complaining of symptoms despite a negative MRI.
- Lack of objective documentation to justify necessary treatment.

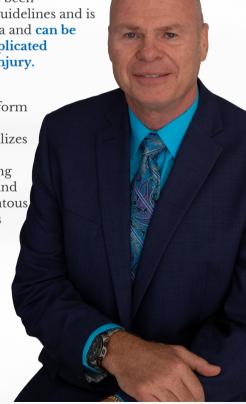
 Disc herniations being treated as pre-existing conditions by insurers due to lack of supporting evidence to indicate otherwise.

This non-disc ligament injury has been referenced in countless national guidelines and is widely accepted as serious trauma and can be responsible for many more complicated symptoms than the simple disc injury.

Our board-certified medical radiologists at Spinal Kinetics perform Computerized Radiographic Mensuration Analysis™, which utilizes an FDA-cleared AI-assisted technology that enables the treating doctor to determine the severity and location of any non-disco ligamentous spinal ligament injury that causes spinal instability.

"30% of your personal injury cases have **surgical levels** of non-disc ligament injuries. You won't know it's there unless you test for it."

> Jeffrey Cronk, DC JD CEO of Spinal Kinetics



## **CRMA<sup>TM</sup>**

### The Gold Standard in Spinal Injury Diagnosis

Computerized Radiographic Mensuration Analysis (CRMA™) marks a significant advancement in spinal injury diagnostics, employing FDA-cleared technology and conducted under the scrutiny of board-certified medical radiologists. This third-party analysis ensures an objective and unbiased assessment, setting CRMA apart from inhouse excessive motion testing commonly performed by chiropractic providers.

In-house methods, while useful, often face skepticism from insurers due to the potential for perceived bias. In contrast, CRMA's external, radiologist-reviewed approach provides a robust foundation for legal cases, offering unparalleled credibility.

For attorneys, understanding the difference between CRMA and in-house diagnostics is crucial. CRMA's rigorous, unbiased process not only enhances the reliability of spinal injury claims but also strengthens the pursuit of justice for affected clients.

CRMA represents a leap towards more accurate, dependable spinal injury assessments, positioning it as a key asset in spinal injury litigation.

## CORRELATING

# TO THE DISC

You're probably very familiar with disc injuries and their symptoms. If your client *does* have a disc injury, you should know that the **non-disc ligament injuries can make the disc injury a lot worse.** 



It is imperative that this non-disc ligament injury be found and treated to prevent further degradation of the disc.

When a disc injury is the only diagnosis, it can be written off as pre-existing condition by insurers due to lack of supporting evidence of any new injury.

### NON-DISC LIGAMENT INJURY

# **SYMPTOMS**

Have you ever encountered a client with continuous symptoms after their injury, only to be disappointed by a negative MRI report? The fact is, there are many more complicated symptoms associated with the non-disco ligamentous injury than the disc injury.

### SPINAL LIGAMENT INJURY SYMPTOMS (NON-DISC)

- Autonomic Nerve System
- Axial (local) Pain
- Balance Difficulty
- Cervical Radiculopathy
- Cerviocranial Syndrome
- Dizziness
- Drop Attacks
- Dysregulation
- Ear Fullness
- Increased Intracranial Pressure
- Meniere's Disease
- Migraine Headaches

- Parasthesias (Upper Extremities)
- Post-Concussion Syndrome
- Radicular (radiating) Pain
- Swallowing Difficulty
- Tinnitius
- TMJ Pain
- Vagus Nerve Compression
- Vertebrobasilar Artery Ischemia
- Vertigo
- Visual Disturbances
- Whiplash-Associated Disorder

### **DISC INJURY SYMPTOMS**

• Local Pain

Radiating Pain

Ref: https://emedicine.medscape.com/article/306176-clinical https://emedicine.medscape.com/article/306176-overview https://emedicine.medscape.com/article/95444-clinical

## DAUBERT VS. FRYE

# **STANDARD**

Does a CRMA<sup>™</sup> stand up to the Daubert vs. Frye standard? *YES*.

Why? For the same reason that an X-ray is a standard and accepted test for diagnosis, courtroom evidence, or treatment plans.

What about measuring X-rays? Have we been measuring X-rays for years with accuracy to diagnose and treat patients? YES.





# A CRMA<sup>™</sup> is an X-ray report.

It is a specialized report focusing on the excessive motion that indicates damage to the non-disc spinal ligaments.

# PRE-LIGITATION VALUE

The spinal ligament injury increases your pre-litigation value in the same way a disc herniation or a fracture provides value to the case. It delivers objective proof of injury and medical necessity for the treatment or care provided.

## **Objectivity**

The report gives clear and measurable findings of how many *degrees* or *millimeters* of abnormality exists, removing much subjective interpretation.



## Simplicity

Objective Report + Guidelines with Consensus = Very little room for refutability.



## Consensus

The number of approved guidelines and references mentioning this injury are great in number, some of which can be found later in this booklet.

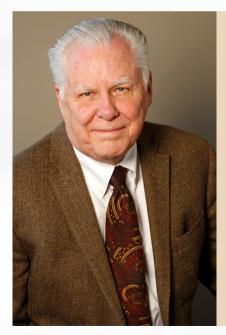




"No competent personal injury lawyer can do justice to these serious ligamentous injuries by dismissing them as "run-of-the-mill" soft tissue injuries.

"Many are serious injuries that can be objectively proven with Computerized Radiographic Mensuration Analysis which can turn a \$20,000 case into a \$1 million case."

- Douglas E. Schmidt, Esq.



Douglas E. Schmidt has over 40 years of experience, in over 6,000 cases, in bringing justice to the victims of Personal Injury and Wrongful Death.

He is the recipient of the Award of Merit of the American Bar Association and has received the Distinguished Service Award of the Minnesota Trial Lawyers Association.

He has successfully tried over 500 cases to a jury, judge or arbitrator in 4 states. He has been AV rated by Martindale Hubbell for 35 years.

## PRF-I ITIGATION VALUE

# **OBJECTIVITY**

The findings are clearly objective and based on an FDA-Cleared AI-assisted program to determine measurements. The resulting report is based on measured facts rather than opinion that is left open to be debated.





Computerized Radiographic Mensuration Analysis

Name	EXAMPLE PATIENT	FFD	40	Injury Date	APR 15 2021
Age/Gender	42 YEAR(S) OLD/MALE	DOB	DEC 10 1978	Image Date	MAY 10 2021
Referring Doctor	DR EXAMPLE SMITH, DC	DPI	182.73	Report Date	MAY 11 2021

### **COMPUTERIZED RADIOGRAPHIC MENSURATION ANALYSIS CRMA®**

This Radiographic Mensuration Report is compiled upon evidence based objective biomechanical analysis for Roentgenometric mensuration of the spine. This evaluation will not include a pathological report. The report results will provide the referring physician with radiologic analysis determine the need for other ligament assessment imaging such as MRI. The Radiorogical report evidence where of exceptablely and in compliance with standard protocols for X-ray imaging. This report follows the AMA Guides to The Evaluation of Permanent Impairment, but of the diction. This report is based on computerate of princture and the protocols of the three numbers indicate. In findings in this report must be correlated clinically in order to objectively establish the seventry and location of any spinal instability. (4,5,8,9) These reports are also utilized to better determine surgical need or activity restrictions such as return to play parameters in contact sports.

### **Lateral Cervical Spine**

### **Cervical Motion Study**

Atlas lateral shift is 2.73 mm during left lateral bending and 1.44 mm during right lateral bending. The angular motion segment integrity is ratable at C5. The translational motion segment integrity is abnormal which may be clinically significant and must be clinically correlated.

- 1. Cervical motion study indicates Angular Motion Segment Integrity change at C5. The impairment of the cervical region is due to ratable Loss of Motion Segment Integrity and is ratable at 25% for cervical spine (AMA Guides, Fifth Edition, Errata). This patients' sligital analysis reveals Loss of Motion Integrity at C5—20.17 yielding ninpairment estimate based on plain film forensics at 25%. Motion Segment Integrity Translational variation is abnormal at C5.3(3-3-4).Ce6-C7. This patients' sligital analysis reveals Loss C2-C3-1.Imm,C5.C4-1.124mm, C5-C7-1.144mm. These abnormal measurements indicate spinal ligament damage/sub-failure and clinically significant ligament injury. Abnormal translation or angulation finding on flexion/extension studies are highly suggestive of ligament and connective tissue damage. These findings are considered clinically significant ligament when the considered clinically significant can be excessed in ormal motion of the recyclal spine.
- motion of the cervical spine

FR MD

Dr. Aamer Farooki

MD

Consultant Radiologist Electronically Signed, Signature on File





"If you process your claims through Spinal Kinetics to get that objective identification, the settlements should go up unless the attorney just doesn't have the skills to get it into that high range. If the settlements are higher, then you're absolutely going to see fewer reductions, fewer requests for you to cut your bills back."

- Mr. James Mathis

Mr. James Mathis has extensive professional experience in the Insurance Industry having held management positions with Allstate and Farmers Insurance and continues ongoing review of insurance procedures, processes, literature and claim files in his capacity as a consultant.

Mr. Mathis has dedicated the last 25 years to personally training doctors and attorneys how to expertly manage PI cases to maximize settlement whenever possible.



James Mathis is an expert witness in all 50 states and consultant for trial defenses and discovery preparation with extensive experience in discovery process' for bad faith, extra-contractual, breach of contract and consumer violation lawsuits.

## PRE-LITIGATION VALUE

# **SIMPLICITY**

The simplicity is that there are only two components to the spine\*:

- Bone
- Ligaments (discs and nondisc ligaments)



Up until recently, only the discs and bones were being examined for injury - however, the discs only make up for approximately 10% of the spinal ligaments and therefore significant injuries were consistently being overlooked.

Since this injury has already been researched and referenced in guidelines such as the AMA Guides for the Evaluation of Permanent Impairment and more, it can be a simple process for the adjusters to review this report and effectively determine a



higher value for the case due to better documentation of the injury.

<sup>\*</sup>Parts such as the spinal cord, nerves, and muscles are adjacent to the spine, and not the spine itself.

"And we have been able to use these Spinal Kinetics report[s] to make a big immediate difference in an offer. Where in situations, we have an offer, and we were sort of at a standstill, then all we did differently was give a Spinal Kinetics report and then that ultimately led to a big breakthrough in the negotiations.

"So we definitely have seen the benefits of the reports, both when we do them early on in the stages, and also when we use them to salvage an impasse."



## PRE-LITIGATION VALUE

# **CONSENSUS**

National guidelines & medical studies refer to spinal ligamentous injuries as **serious injuries**. Case value is greatly determined by well-documented, established injuries.



"By learning about a ligament injury and how to document them for impairment it was just going off the charts in terms of value."

- Mark Blane, Esq.



Mark Blane is solo-practicing attorney and a two-time best selling legal author who specializes in personal injury law in downtown San Diego.

His book, "Wolf in Sheep's Clothing", on the day of its release, hit the Best Sellers List in two categories on Amazon reaching #1 in the Insurance category and #42 in the Personal Finance category. He was also inducted into the National Academy of Best-Selling Authors. His other book, "Protect & Defend" also hit the Best Sellers List on Amazon in two different categories. He is the author of 10 injury consumer guides.

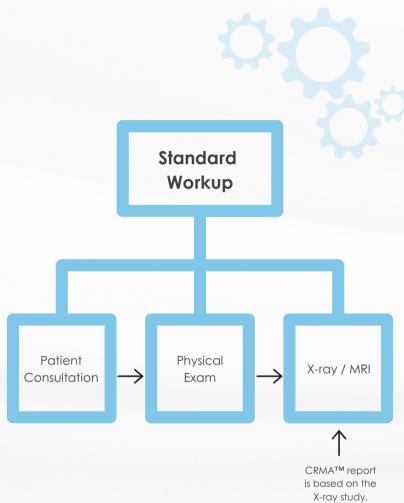
# HOW THE CRMA® FITS INTO A STANDARD DOCTOR WORKUP

Let's start with what your doctor's current full workup typically looks like:

- Patient Consultation
- Physical Exam
- Spinal X-rays and/or MRI

X-rays are a long-standing and necessary component of the diagnostic work included in your client's case. This imaging helps identify fractures, disc degeneration, and other abnormalities. When paired with the CRMA™ report, it can also show significant non-disco ligamentous injuries, which, if present, can greatly worsen a disc injury or otherwise lead to a myriad of symptoms not linked to disc injuries.

This provides required documentation for extended care, therefore higher settlements and less early-care cut-offs.



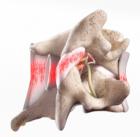
## **GUIDELINES &**

# REFERENCES

The guidelines dictating the care and justified treatment for these injuries refer to the injury in terms of translational and angulation damage as depicted below.



TRANSLATIONAL DAMAGE



ANGULATION DAMAGE

Up to 1 mm of translation is normal, anything above is abnormal. If there is 3.5 mm or more motion it is severe and could require surgery if not stabilized with conservative care.

Up to 7° of angular difference is normal, anything above 7° is abnormal. Anything 11° or more can be surgical if not stabilized with care.

On the following page are excerpts of several of these guidelines and where they mention this injury.



### **CROFT CARE GUIDELINES**



### Table II - Guidelines for Frequency and Duration of Care in

	Daily	3x/wk	2x/wk	1x/wk	1x/mo	T <sub>D</sub>	$T_N$
Grade I	1 wk	1-2 wk	2-3 wk	<4 wk		<11 wk	<21
Grade II	1 wk	<4 wk	<4 wk	<4 wk	<4 mo	<29 wk	<33
Grade III	1-2 wk	<10 wk	<10 wk	<10 wk	<6 mo	<56 wk	<76

		_
Grade V	Surgical stabilization necessary—chirogractic care is post-surgical	

 $T_D$  = treatment duration;  $T_N$  = treatment number. 

Possible follow-up at 1 month. 

May require permanent monthly or p.r.n. treatme



## AMA GUIDES FOR THE EVALUATION OF PERMANENT IMPAIRMENT

15.6 DRE: 0 15.6a Criteria for F Oue to Cervical Di For cervical problems is rervicothoracie region, spine problem also leas ladder dysfunction no	Cervical Spi Rating Impairment sorders localized to the cervical use Table 15-5. If the is to isolated bowel and education of the company of the destinates for bowel and	urology these wi gory fro l or vical spi eervical involver for amage, The DR	dysfunction from the g chapters (Chapters 6 as the the appropriate cervi m DRE I to V. listed in me problem is due to cent, use Table 15-6 ale E cervical categories as 1-5.	nd 7) and combine ical spine DRE cat Table 15-5. If the orticospinal tract one.
DRE Cervical Category I  ONE Cervical Category I  ON Impairment of the Whole Ferson	DRE Cervical Category II 5%-8% Impairment of the Whole Person	Cervical Disorders  DRE Cervical Category III 15%-18% Impairment of the Whole Person	DRE Cervical Category IV 25%-28% Impairment of the Whole Person	DRE Cervical Catego 35%-38% Impairme the Whole Person
He agricultural front the firm of the firm	Check long of failbring and fa	Special or good or delicities of the control of the	Alteration of motion seg- ment integrity or bilateral or multilevel radiculopathy, alteration of motion seg- ment integrity is defined	Septitant upper edition until the septiment of the septim



### **EVICORE SURGICAL GUIDELINES**

Comprehensive Manuciosistetal Management Cubaterines. Some Surgery

V2 0.2019

CMM-601.1: General Guidelines

1 The determination of medical necessity for the performance of cervical fusion with and without discoctomy is always made on a case-by-case basis.

5 For prior authorization requirements, see CMM-600.1: Prior Authorization Requirements.

1 The presence of urgent/emerger indications/conditions warrants definitive surgical treatment. Confirmatory advanced imaging studies are required. The following criteria are NOT required for confirmed urgent/emergent conditions:

Proof of smoking consisting.

Recent (within 6 months) plan X-rays of the cervical spine

Absence of urmanaged significant behavioral health disorders

Urgent/emergent conditions for cervical fusion with and without discactomy include ANY of the following:

Acute/urstable rearmants: spinal fractures or dislocations with or without neural ACUTERIA Company of the Company

For more guidelines and resources, visit our Resource Center online:



## WHY CHOOSE SPINAL KINETICS?

Established in early 2008, we possess an unmatched level of experience with this procedure among medical radiology services, setting a benchmark for excellence and expertise in the field.

Undiagnosed injuries don't get better with time, they lead to chronic pain and unresolved symptoms, that's why our mission to leave no spinal ligament injury undetected.









For more information on this injury, visit our website at www.thespinalkinetics.com.



