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A M E R I C A N
J O U R N A L
O F C L I N I C A L
C H I R O P R A C T I C

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Your source of information for Chiropractic BioPhysics®—The Science of Spinal Health

An Aspirin a Day May Take Your Vision & Hearing Away

Non-steroidal anti-inflammatory drugs (NSAID's) are widely used for general pain relief and specific inflammatory control after an injury. Additionally, there is an increasing number of people that are using specific NSAID's and aspirin for perceived cardio-



vascular protective effects. Of concern, there have been a number of scientific publications discussing the potential negative health effects of regular use of NSAID's whether for prevention, pain, or other use. Two recent publications have identified some serious negative health risks that appear to be linked to regular aspirin and NSAID use:

The Beaver Dam Eye Study¹

In a longitudinal population-based study of age-related eye diseases, Klein and colleagues¹ examined the association of aspirin use with the incidence of age-related macular degeneration (AMD). They performed examinations every 5 years over an approximate 20-year period (1988-2010). There were 4,926 participants between the ages of 43 to 86 years. Study participants were asked if they used aspirin at least twice a week for more than 3 months; which they termed 'regularly'.

The study identified that 'regular' aspirin use 10 years prior examination was associated with late AMD with an estimated incidence of 1.76%

See An Asprin a Day on page 9

The Passing of a Chiropractic Pioneer, A Family Man, A Dear Friend & Mentor to Countless



Dr. Sidney Earl Williams
March 18, 1928 - December 27, 2012

Most of the profession is already aware that Dr. Sidney Earl Williams, founder of Life University in Marietta, passed away peacefully in his sleep early Thursday morning the 27th of December. He was 84 years old. Visitation was set from 2 to 4 p.m. on Saturday, December 29th, 2012, at Mayes Ward-Dobbins Funeral Home in Powder Springs and services were held at 2 p.m. on Sunday, also at Mayes Ward-Dobbins, located at 3940 Macland Road in Powder Springs.

Along with his wife, Dr. Nell Williams, Dr. Sid Williams founded

Life Chiropractic College in 1974, which became Life College and is now Life University. Twenty Two students attended the first classes in January of 1975. These students became known as the "Day one class". Under Dr. Williams' direction, Life Chiropractic College became the largest chiropractic college in the world with an 89-acre campus and more than 3,500 students.

On a personal note, for me (Dr. Deed Harrison), I was deeply touched by Dr. Williams loss. Though I met Dr. Williams just a handful of times and exchanged only simple cordial conversation; it is a man like him that keeps a person like me continuing to strive for excellence through Chiropractic principles, purpose, and passion. When I heard of Dr. Williams loss, I was reminded of one of my late father's (Dr. Don Harrison) favorite sayings: "The person who says it cannot be done, should not interrupt the person doing it"! Looking at Dr. Williams' life achievements I bet that he lived by this motto in some regard. In the end, Dr. Sid Williams did what few of us can but all of us strive for; he left

See The Passing on page 9

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Dr. Ed Glaser, DPM
Dr. Glaser is the President and
developer of Sole Supports orthotics.

INTRODUCTION

Previously, the midfoot was modeled as one rigid segment based on the assumption that negligible motion took place within the midfoot.¹ We now know that movements including walking and slow running involve considerable motion between midfoot bones.²⁻⁴ With this knowledge of midfoot motion it is logical to consider these motions in any attempt to control the foot with an intervention such as a foot orthosis. Perhaps there is evidence that returning the focus to the midfoot, medial longitudinal arch and plantar vault, could yield measurements that relate more to the dynamic gait cycle and result in improved clinical outcomes.

One recent attempt called Foot Posture Index (FPI) was designed to be a valid, simple and clinically useful tool. Its most recent version is based on 6 static foot morphology criteria (talar head palpation, curves above and below the medial malleoli, inversion / eversion

We now know that movements including walking and slow running involve considerable motion between midfoot bones.²⁻⁴

of the calcaneus, bulge in the region of the talonavicular joint, congruence in the medial longitudinal arch, and adduction/abduction of the forefoot on the rearfoot), and although there is some improvement in intrarater reliability and validity with this tool, there continues to exist significant doubt as to

Foot Posture and Foot Orthoses— The Lost Connection? Part II

its intrerrater reliability⁵ and applicability to dynamic function.⁶

Another attempt at quantification called the Foot Line Test (FLT) which is a measure of the medial prominence of the navicular in a mediolateral direction, was developed to investigate the relationship between foot morphology and injury development.

The measurement of medial/lateral movement of the medial prominence of the navicular is primarily a frontal plane measurement, and so while FLT has been shown to be a reliable measure,⁷ future work is needed to determine if this measure correlates with dynamic function.

DISCUSSION

The longitudinal arch angle (LAA) is defined as the angle formed by two vectors—one passing through the midpoint of the medial malleolus to the navicular tuberosity and the other passing through the midpoint of the medial aspect of the first metatarsal head to the navicular tuberosity (fig?). What is interesting about the work done with these angles, is that they are starting to reveal measurements that show good interrater reliability,⁸ are prognostic of dynamic foot posture during walking and running and may have some value in predicting the risk of lower extremity injuries.^{9,10} This is good news for the clinician who looks to the published research to confirm and validate his clinical measures.

It seems plausible that the closer the measurements get to a measure of the medial longitudinal arch and plantar vault of the foot, the more applicable they are to the dynamic gait cycle. This correlates with the knowledge that significantly more motion occurs in the sagittal plane during each step of the gait cycle when compared to transverse and frontal motion. Put quite simply, there is an accepted clinical relevance to the arch of the foot and its perceived posture—either low or high—and it may very well be that the closer a measurement gets to describing this posture, the more dynamically relevant it is.

Therefore a distinction is needed between those foot type classifications that focus on frontal plane measurements, and foot posture that is evaluated by the medial longitudinal arch or

a three dimensional posture. Looking at some of the more



recent measurements that have focused more on the medial longitudinal arch reveals that there has been progress with regards to defining more reliable, clinically relevant measures.

To date, much of the study of foot posture has included discussions of frontal plane orientations such as calcaneal inversion. Given the above mentioned evidence it becomes clear that more clinically relevant measures may be found in the midfoot and medial longitudinal arch. Accounting for the entire plantar vault may give us a better understanding of what changes in foot posture are relevant to our clinical decisions. In an ideal scenario, a measurement would be accurate, reliable, backed by clinical outcomes, describe the entire foot and perhaps most importantly predict the dynamic function of the foot.

So what is the ideal foot posture? The MASS (Maximal Arch Subtalar Stabilization) theory as proposed by Glaser et al¹¹ is designed to capture the foot in the most corrective posture. It is defined as the maximal amount of closed chain supination that is achievable for any particular foot at midstance, with the heel, first and fifth metatarsals in contact with the ground. The goals of this correction include:

- 1. adequate supination at heel strike
- 2. the forefoot makes full contact on the ground at midstance
- 3. the majority of forefoot load is on the first metatarsal joint at heel lift
- 4. the first MPJ is not limited in dorsiflexion

This posture is captured using a gait-referenced sequence with semi-weight-bearing loading. The casting method is the same for all feet though each foot yields a unique three dimensional shape due to unique anatomical variations and flexibility differences. It is based on the concept that if there is a corrected foot

posture that is to be achieved, it needs to be emulated and induced directly by the intervention, in this case a foot orthosis. This direct intervention takes the form of a full contact, weight-calibrated, orthosis. Recent investigations have shown that foot orthoses based on this corrected position (or posture) provide relief of lower extremity musculoskeletal pain¹² and improved economy of gait.¹³

The MASS (Maximal Arch Subtalar Stabilization) theory as proposed by Glaser et al¹¹ is designed to capture the foot in the most corrective posture.

SUMMARY

Foot posture measurements taken in the MASS posture may prove more applicable to clinical decision making with regards to orthosis manufacture as they can be compared volumetrically to a pronated foot posture or relaxed calcaneal stance position. Knowing that there is an optimal foot posture that may be different for each individual, but based on the same reference points, logic follows that there is a spectrum of function (or dysfunction) and a zone of optimal control. Future writings and investigations will focus on the zones of postural control and their application to treatment with foot orthoses.

REFERENCES

1.Leardini A, Benedetti MG, Berti L, Bettinelli D, Nativo R, Giannini S. Rear-foot, mid-foot and fore-

See Lost Connection II on page 18

The Last Three College Football National Champions



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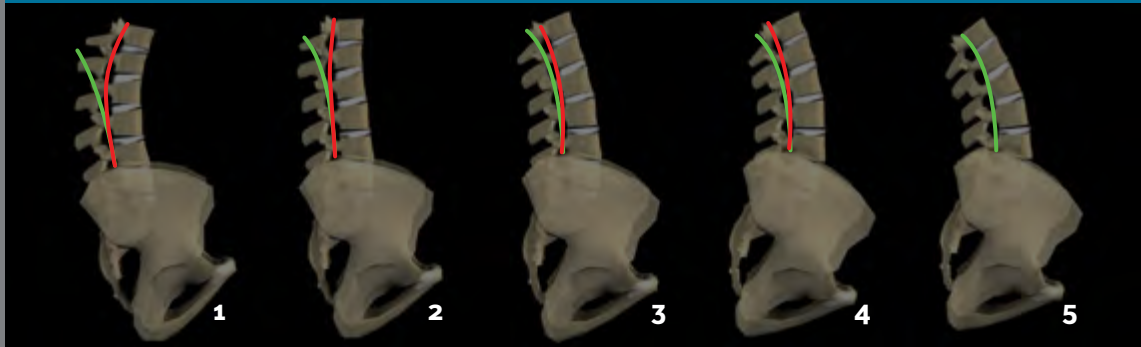
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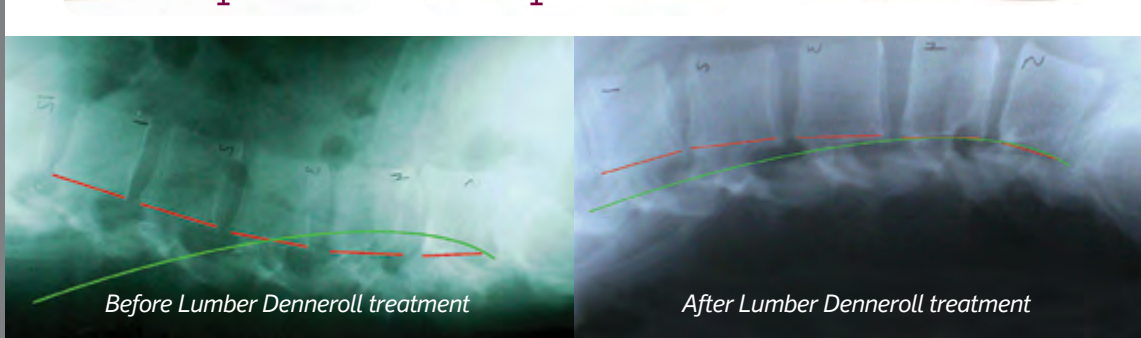
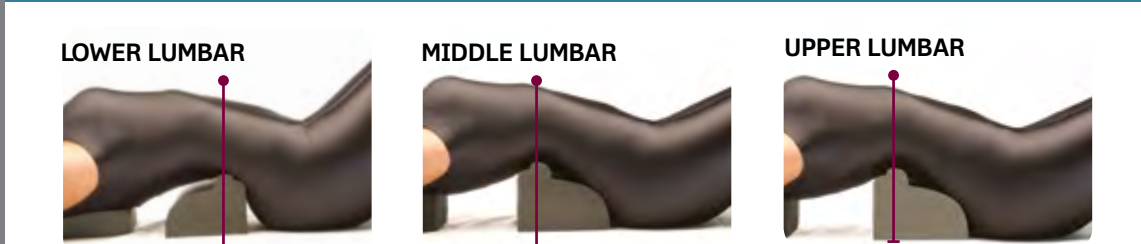
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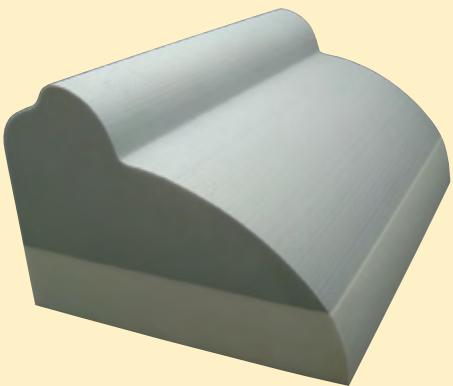


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cations. Further, CBP Non-Profit, Inc. has funded many scholarships as well as donated chiropractic equipment to many chiropractic colleges; always trying to support chiropractic advancement and education. Dr. Don Harrison was the acting president of CBP Non-Profit, Inc. since 1982. Currently, Dr. Deed Harrison (Don's son) is the President of CBP Non-Profit, Inc.

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- Non-randomized trials evaluating technique outcomes,
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- Case studies evaluating technique outcomes,
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Index Medicus = 92			
JMPT	54		
Spine	8		
Clinical Biomechanics	6		
European Spine J	7		
J Spinal Disord & Tech	3		
Archives Phys Med & R	3		
Chiropractic & Osteopathy	3		
J Electromyo & Kinesiology	3		
J Rehab Research Dev	1		
J Orthopedic Research	1		
Spine Journal	1		
Clinical Anatomy	1		
Journal of Biomechanics	1		
CINAHL & ICL = 39			
Chiro Pediatrics	18		
Chiro Technique	6		
J Chiropractic Education	6		
J Canadian Chiro Assoc	4		
J Vertebral Subluxation Res	4	2	
Chiropractic Sports Medicine	1		
Totals	131	2	



Eric Huntington, DC
Co-Owner Developer of the Chiropractic Business Academy
drhuntington@chirobizacademy.com

INTRODUCTION

Why is Business Success a Secret? There are many aspects to running a business which will determine its degree success. From delivering good service to honest dealing with your clientele to motivating staff—many of these things are “known” and applied broadly in our profession. But there are lesser known and applied business principles that really separate the proverbial men from the boys. It’s these principles that remain a secret.

Secret #1

You must find out what is needed and wanted by the public, and then figure out how you can promote and deliver that item or service. This is best done by

Secrets to Business Success

survey, formal or informal. How does this apply to chiropractic practice? Well, kick your ego to the curb and ask yourself this question, “Does the public want chiropractic?” I’m not suggesting blasphemy here, I’m suggesting we be literal. To be more specific, “Does an individual in the public want chiropractic?” No, of course not—an individual, to be interested in purchasing and receiving the services of a chiropractor, would want the BENEFITS of chiropractic.

The benefits of chiropractic are numerous and can include a healthy body, better movement, less pain, better posture, etc. It’s worth listing out what you see as the benefits a patient receives when under chiropractic care. This list should be used to help formulate your promotion and technical delivery.

Secret #1 is that when you organize your promotion and delivery, you must do so keeping in mind what is needed and wanted by the public. As an example, this is why some of the marketing strategies taught by the Chiropractic Business Academy utilize massage. By survey, massage is a more needed and wanted service than chiropractic at the moment.

Secret #2

Secret #2 is that you must build a machine to promote and sell whatever is

needed and wanted. By “build a machine” I mean you must hire or create competent personnel. Lines and flows must be efficiently organized so daily office traffic runs smoothly through the business. Training manuals are needed for reference by staff and to assist in

help any doctor who is willing to learn and work. Our strategies are proven in every state and several countries for almost two decades.

Conversely, many doctors miss a huge opportunity because they don’t think to contact us when they are doing well. This



training new staff. Written policy ensures that staff actions are coordinated and predictable. These are just a few building blocks taught by CBA that can assist in building your machine.

You know when the machine is built and operating, because it will run without you having to do most of the work. Depending on how you set it up, you may still work in the practice, wearing the hat of your choice, or you may phase yourself out completely. That’s up to you.

At the Chiropractic Business Academy (CBA) we have helped thousands of chiropractors build their machine. Since we teach business skills, including marketing, sales, staff training, finance, leadership, etc, our program works for any practice style.

Secret #3

Once you have attained your ideal practice scene, you must continually monitor it using proper statistics. Secret #3 is becoming an expert at looking at what you are doing that works, and improving those things—and also determining what you are doing that is not working and making changes to those areas.

I think it’s worth noting that more than half of the doctors that contact CBA for practice help are struggling to one degree or another. Good news is that we can

is the optimal time to hire CBA because we can help a doctor identify what is causing their success and strengthen it! In fact, the biggest practice gains from our program are routinely experienced by clients who were already doing well when they joined CBA.

Secret #4

Your own happiness in practice may be the most important factor. You get to define success in your life. You also get to decide how to measure your progress toward your goals. So this secret is unique to each of us. You may find it helpful to list out what would make you happy in practice. For me, my list includes things like:

- Providing high quality service
- Staff driven practice which I don’t work in day to day.
- High personal income
- Freedom to choose when to work
- Freedom to travel

These are just a few examples from my list, but what is important is that you make your list and go for it! If you are certain that you can achieve your goals without the help of a consultant, that’s great. If not, give my office a call and we can talk about how CBA can help you get there!

See Secrets to Business on page 9

Secrets to Business—cont’d from page 8

CBA’s program is made to fit your practice and goals, not the other way around. Call us and let us know how we can help. We are so sure our program will increase your bottom line that we make that guarantee in our client service agreement.

Call my office today to schedule a free consultation to learn the exact system we have used to help thousands of chiropractors over the last 15 years! 888-989-0855 **AJCC**

An Aspirin a Day—cont’d from page 1

in regular users versus 1.03% in non regular aspirin users. Klein and colleagues concluded: “...regular aspirin use 10 years prior was associated with a small but statistically significant increase in the risk of incident late and neovascular AMD.”

Hearing Loss from Department of Medicine, Brigham and Women’s Hospital in Boston, MA^{2,3}

In 2010, Curhan and colleagues² examined “the independent association between self-reported professionally diagnosed hearing loss and regular use of aspirin, nonsteroidal anti-inflammatory

drugs (NSAIDs), and acetaminophen.” The participants were 26,917 men between the ages of 40-47 beginning in 1986 and were administered a follow-up every 2 years for the duration of the study. They² found: “For NSAIDs and acetaminophen, the risk increased with longer duration of regular use. The magnitude of the association was substantially higher in younger men. For men younger than age 50 years, the hazard ratio for hearing loss was 1.33 for regular aspirin use, 1.61 for NSAIDs, and 1.99 for acetaminophen”.

“For NSAIDs and acetaminophen, the risk increased with longer duration of regular use.”

In a follow up investigation in 2012, these authors³ prospectively evaluated the frequency of aspirin, ibuprofen, and acetaminophen use

and risk of hearing loss in 62,261 women aged 31-48 years. In this study of females, the regular use (2 or more times per week) of ibuprofen and acetaminophen (not aspirin) was statistically linked with an increased risk of hearing loss.

REFERENCES

- 1.Klein BEK, et al. Long-term Use of Aspirin and Age-Related Macular Degeneration JAMA. 2012;308(23):2469-2478.
- 2.Curhan SG, Shargorodsky J, Eavey R, Curhan GC. Analgesic use and the risk of hearing loss in women. Am J Epidemiol 2012;176(6):544-54.
- 3.Curhan SG, Eavey R, Shargorodsky J, Curhan GC. Analgesic use and the risk of hearing loss in men. Ann J Med 2010;123(3):231-237. **AJCC**

The Passing—cont’d from page 1

Chiropractic and the World a better place through his humanitarian, personal, and entrepreneurial achievements.

A Williams family statement Thursday morning (December 27, 2012) said: “Doc was a person of immense presence and personality. He will be greatly missed by his family and many others whose lives he has touched.”

In addition to his wife, Dr. Williams is survived by his children, Dr. Kim Williams, of Powder Springs,

and Dr. John Sidney Williams, of Pennsylvania; and three grandchildren. In lieu of flowers and cards, contributions on behalf of Dr. Wil-

In addition to his wife, Dr. Williams is survived by his children, Dr. Kim Williams, of Powder Springs, and Dr. John Sidney Williams, of Pennsylvania; and three grandchildren.

liams and his family can be made to: The B.J. Palmer Historic Home Foundation, Inc. 1950 Old Concord Road, Smyrna, GA 30080 or at www.bjph.org. **AJCC**

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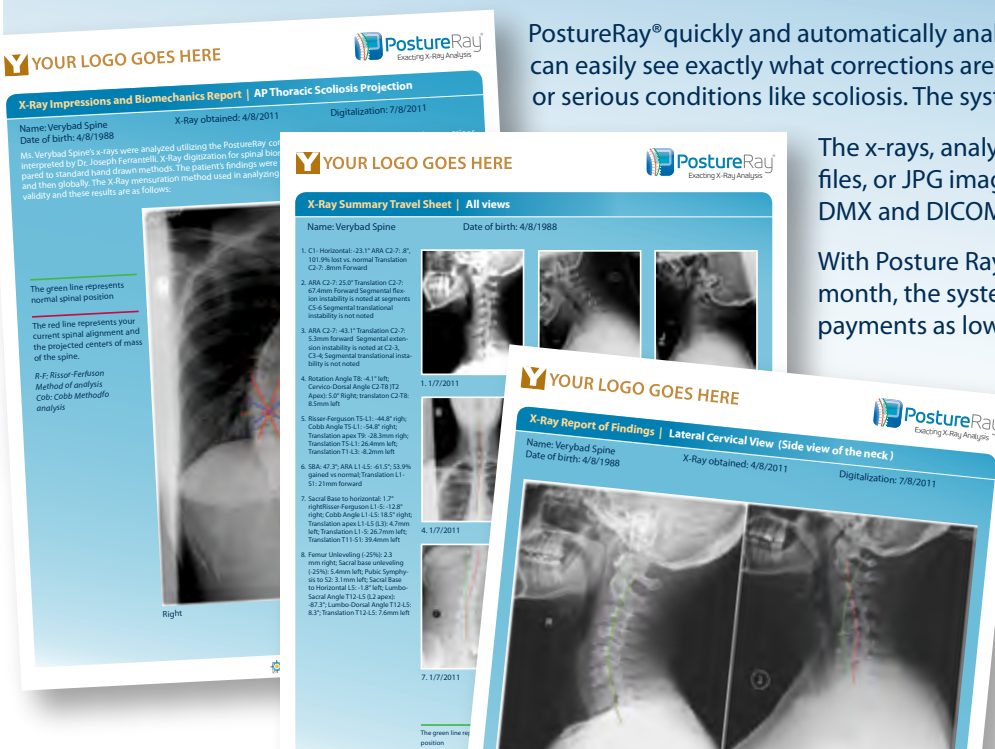
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INTRODUCTION

Most management groups teach you scripts of how to talk ABOUT a subluxation to a person at your ROF. What does this imply? You are talking about the facts of a subluxated posture to a person. It is as though the patient will understand the facts, see their x-rays and

There are 5 steps a patient or any person who is going to make an empowered action toward a life change MUST progress through in a specific order.

commit to care because it makes sense. Unfortunately it doesn't always seem to work that way, because there continues to be people walking out your door who, "just don't get it." Have you noticed talking MORE about the same thing doesn't make you more effective? Successful business people don't use the excuse, "they just don't get it," so why should we?

People make decisions and buy based on an emotional progression of thought and feelings. There are 5 steps a patient or any person who is going to make an empowered action toward a life change MUST progress through in a specific order. These 5 steps incorporated into your patient management system will raise your percentage of people committing to your spinal corrective programs to SOAR HIGHER than ever before.

1. They MUST SAY they have a FULL spine problem:
Entrepreneurs solve people's

Learn to talk to a person with a subluxated posture at your ROF

problems for money. This means people MUST know their problem and be very clear. In a spinal corrective program we correct the WHOLE spine. Every spinal problem involves the WHOLE spine. The question is, "Do you have the systems that have the HIGHEST percentage of patients understanding their WHOLE spine needs correcting?" The next question is, "Do they tell YOU they KNOW their WHOLE spine and posture is weak and subluxated?" The fact is you can't tell them. They MUST Say it to you so they will understand. It's not what YOU say that matters. It's what THEY say that changes their behavior.

2. They MUST say, "I don't want to be like this anymore."

Out of our GREATEST crisis comes our greatest breakthrough. Before people are willing to make a change in their life they MUST want to leave the condition they are in. They must reach the point of ultimate frustration to change and be ready to move. Many patients that don't commit NEVER said, "I don't want to be like this anymore." This is a CRUCIAL EMOTIONAL decision people MUST make to be ready to move in another direction. They must have a strong emotional desire to change or they will stay in their misery, whether it is their pain or their disease.

3. Eliminate ALL other options:

Once a person makes the emotional



commitment to move in another direction, they need guidance as to the proper direction to move. You don't achieve this by telling them "What to do." You achieve this by telling them "What NOT to do." Research shows that people with chronic back pain who do only exercise have a greater probability of becoming disabled than if they did nothing at all. This eliminates traditional physical therapy, medical care, yoga, Pilates, gyms, and all the other exercise related excuses, including, "Getting a second opinion." If you don't eliminate all other options, you will receive common objections to care and non-commitment at your ROF.

Elite Coaching provides these answers in systems so the HIGHEST percentage of people commit to corrective care by directing their actions.

4. They MUST know what they DO want:

Once a person is ready to move in a specific direction they MUST have a goal. Without a goal they do NOT know what they want and will not buy and say, "I have to think about it." The problem is you didn't direct them to have a vision in advance. "Where there is no vision, people perish," right out of your office.

See Learn to talk on page 25

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Dr. Deed Harrison is an internationally renowned professional lecturer and spine researcher in the Chiropractic profession. Usually, he's on the road 35-40 weekends per year teaching doctors around the USA and Internationally. Accordingly, Dr. Deed has chosen Eagle, ID as the new head quarters for CBP Seminars Certification Training programs for Chiropractors. Part of the Ideal Spine Health Center's facility will be dedicated to a state of the art Chiropractic BioPhysics (CBP) training facility. Chiropractors around the world, interested in learning all aspects of CBP Technique, will come to Eagle, ID to acquire the knowledge and skills necessary to practice CBP and become CBP Certified Chiropractors.

This is a dream come true for Dr. Deed Harrison and his wife, Dr. Shirlene. It has always been challenging to train Chiropractors in the technicalities and nuances of CBP Technique in hotel conference settings without the necessary equipment (adjusting tables and instruments, traction equipment, exercise and rehabilitation equipment, and radiographic facilities). Also, the perspective of how a full scale CBP office looks, feels, functions, and operates is lost in the 'hotel convention center' environment. This new facility will solve these dilemmas. In the end, Dr. Deed is finally trying to slow down his trips a bit so he can stay close to home with his wife and two young children.

Fifteen-Twenty conferences per year for Chiropractic professional post-graduate education will be held at the CBP Doctor Institute (over the weekends so as not to disrupt patient care). Here, Chiropractors will learn the clinically proven, scientifically verified methods that have made, and continue to make, Chiropractic BioPhysics an effective approach to improving the health of patients. CBP is practiced the world over, and taught in numerous chiropractic colleges. And it's continually upgraded through ongoing clinical trials, improved equipment, and refined techniques.

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* Jun 21-23	Module 6. Thoracic Rehab	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Jun 7	208-938-9600
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* Jul 12-14	Module 7. CBP Hands-On Workshop - \$795 for This Event	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Jun 28	208-938-9600
* Jul 26-28	Module 8. Posture Neurology & Health (Dr. Dan Murphy)	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Jul 12	208-938-9600
*** Aug 16-18	Module 14. 35th CBP Annual	Lake Geneva, WI	Grand Geneva Resort & Spa CBP Seminar Room Cut-off Jul 26	800-558-3417
* Sep 20-22	NEW Module 15. Mirror Image Taping: Rock Tape	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Sep 6	208-938-9600
* Oct 11-13	Module 11. Advanced Full Spine Analysis / Management	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Sep 27	208-938-9600
* Nov 15-17	NEW Module 16. Scoliosis 2: Mirror Image Bracing	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Nov 1	208-938-9600
* Dec 13-15	NEW Module 17. CBP Rehab Mirror Image in Motion	Eagle/Boise, ID	Hilton Garden Inn CBP Room Rate: \$109 by Nov 29	208-938-9600

Note: Conferences are Saturday 9am-7pm (Registration 8:00am); Sunday 9am-Noon. Except Dates:
* Eagle Seminars Held at Dr. Deed's New Facility - The CBP Doctor Institute: Fri. 4pm-8pm (optional); Includes 2 hours of Mirror Image Trainings; Sat. 9am-7pm Catered lunch 1:00pm-2:20pm-2 hours of Mirror Image Training; Sun. 9am-Noon. Limited to the first 50 attendees!
** Feb 22-23: Friday 2pm-8pm; Saturday 2pm-8pm (lunch included);
*** 34th CBP Annual: Friday 2pm-7pm; Saturday 9am-7pm; Sunday 9am-Noon.



Yuriy Chewpa, DC, RFCCSS(C),
Co-Head Coach, Warrior Coaching
and Warrior Coaching USA
(www.WarriorCoaching.org)

INTRODUCTION

At the recent Warrior Coaching Leadership Summit in Toronto, the topic of the various presentations was practice outreach. Specifically, the speakers were discussing “the why”—why do we do outreach, and “the how”—how do we reach out into our communities effectively to attract the sick and lost. What strategies work best?

It is not unusual to schedule 50 to 100 great patients at a 2-day screening, or schedule 20 to 30 patients from a 20-minute dinner, or corporate, presentation.

The strategies being discussed were screenings, corporate talks, and patient dinners. These three strategies have been around for decades and many falsely assume that they no longer work. Nothing could be further from the truth. While internet marketing, a social media presence, and a great website are crucial in today's wireless world, they do not replace getting outside of your four walls and personally interacting with the people in your community. Warrior Coaching clients receive hundreds of new patients every month using these

The Why and How of Practice Outreach

tried and true strategies. As a matter of interest, if done correctly they are more effective today than they have ever been in the past. It is not unusual to schedule 50 to 100 great patients at a 2-day screening, or schedule 20 to 30 patients from a 20-minute dinner, or corporate, presentation.

DISCUSSION

One of the advantages of doing the outreach in person is that the doctor has to wrestle with the question of why they are doing it, and face the fear of getting outside of their four walls. Are they doing this talk to get new patients to build their practice and pay their bills, or are they doing it to save the sick people in their community? The better the answer as to why the doctor is doing the talk, the more people will come in for a checkup. If it is all about the doctor, the potential patients will sense this and they will stay away. If the people have an understanding that the doctor is there to serve them, then that doctor has the capacity to attract as many patients as he can possibly serve.

Once the doctor knows why they are doing the outreach, they need to know how to do the outreach most effectively. The same doctor can give the same talk to the same group and change the content by five percent and get a 30, 60 or 100-fold increase in follow-through. Likewise, we have had Warriors do screenings and schedule 100 new patients in a weekend, and a chiropractor at the same screening one booth over only schedule 10 patients.

“The why” or “the how”?

After the presentations at Leadership Summit there was a lot of discussion about what is more important, “the why” or “the how”? *Why* we do outreach, or *how* we do outreach? Obviously, both are important, but does either one have an advantage when it comes to building a lifetime, wellness, family, principled practice?

The why v. how question can be stated in other ways as well: inspiration v. perspiration, delivery v. content, passion v. procedure.

When it comes to practice, doctors have to have a certain amount of both. Everybody's personalities are unique. Some doctors gravitate towards why, others towards how. Both can be successful, it just looks a little different.

Here are my observations over the past 27 years of practice and 12 years of coaching. The *Why* practice tends to have more new patients and better initial conversion, but more early drop outs. This is because the doctor tends to be outgoing and passionate and has no problem attracting new patients, but lacks the procedures to start a patient well and doesn't have the process to guide them on their path of care. Practice tends to grow fast at the beginning, but plateaus because of lack of structure. This is a practice that tends to have a high missed appointment rate and high dropout rates, but can be high volume because the new patients are ever present. The inmates are running the asylum. By adding structure, this practice is ready to explode.

The *How* practice tends to have lower new patients and a slightly lower conversion rate, but a much higher retention rate, because the structure and procedures guide the patient through their months and years of care. Practice growth is slower because the doctor tends to be more fearful of outreach, and therefore new patient numbers are lower. Although practice growth is slow, it is more consistent and steady. The



inmates are not running the asylum like they are in the why practice, but it's hard to break into the asylum. By adding more new patients, this practice is ready to explode.

SUMMARY

As you can see, one is not better than the other, they are just different. The *Why* doctor is not mindful of structure and procedure. The *How* doctor is fearful of outreach. Both need to step into fear to reach their full God-given potential. Both doctors will have trouble

See Why & How on page 25

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Randall Hammett, DC
Private Practice of Chiropractic

Certainty and 2013

INTRODUCTION

The one consistent thing is change, and I tell you for sure 2013 will be a challenge for many chiropractors. With changing health laws both federal and state changing insurance policies to cover shortages you can expect more financial stress and more focus on documented care with less reimbursement. In my own town I've already been notified that several government-backed insurance plans are increasing their deductibles and copayments by vast amounts to cover shortages. The good news is, and there is good news! The health industry has typically been inflation and recession proof. Don't

One of the things I recommend that you do in 2013 is receive chiropractic care from a colleague near you and pay them their full fee for each treatment.

get me wrong, doctor's incomes have dropped the last five years and yet it's been estimated that 5 to 7% of doctor's incomes have increased. The question is what will your practice hold for you in 2013?

DISCUSSION

The last three years have seen unusual solutions to practice problems

in chiropractic. One example is the low fee Doc in a box corporate chiropractor office that seemingly undercuts every chiropractor's fee in their path. As a practitioner for over 33 years I've seen many financial games played in the profession and in my experience the low fee high-volume chiropractic offices eventually collapse financially, it's not if it's only when. My opinion about your fees is simply charge what you believe you are worth and the true value of the services you provide. One of the things I recommend that you do in 2013 is receive chiropractic care from a colleague near you and pay them their full fee for each treatment. Psychologically, paying out of your own pocket for chiropractic care will put you in touch with the reality of what your patients have to pay and in some cases you'll find that you're not charging enough for the services you provide. The keynote for the year is to stay flexible in your business planning and in your practice marketing. Keep in mind that patients will always gravitate to the practice where doctors produce outstanding, fast symptomatic relief with good post pain educational information for patients to decide if they wish to continue with the chiropractic lifestyle.

Be sure in your practice that you offer patients at least three types of care for their health. Pain relief, corrective care and wellness or maintenance care are typically the three types of care that we offer patients. An important part to remember is that you must honor what patients choose and not step over your bounds. For example the patient wants relief care for a few visits than honor that and when they are out of pain release them and explain to them that they're always welcome back if and when the pain returns. Corrective care should be based on strict clinical protocols such as those found in CBP® so that patients can clearly understand what they're paying for and can easily see the postural x-ray changes you're providing. Wellness or maintenance care should be recommended for everyone but typically in the chiropractic office only 5 to 7% will follow through, if this is true in your practice then you're doing a good job and continue with your treatment plans. There has been in the last several years a propensity to base your care on what third-party insurance companies will pay for, and there could be no higher injustice to a patient than treating their wallet instead of their health.

There's an old saying, you can steal someone's money and they can earn it back, but if you steal someone's health they can never replace it.

SUMMARY

So, when recommending care to patients, tell them the truth, let them decide what's important at that time to them and not necessarily to you. Lastly, what's your plan for 2013 to increase your practice a minimum of 25 to 30%? If you've not taken a day to sit down and write out what your plan is for the next twelve months I guarantee you that your practice will decrease and your income will fail. Those of you reading this that got into chiropractic because it was a good career move, or good way to earn income I suggest you become quickly reacquainted with the purpose and philosophy of chiropractic because if you're in it just for the money you will never survive and you will always struggle financially and emotionally. It amazes me to today how many chiropractors practicing have never read any of the green books, have never attended a chiropractic philosophical seminar like DE in Atlanta. The chiropractors who have survived

Corrective care should be based on strict clinical protocols such as those found in CBP® so that patients can clearly understand what they're paying for and can easily see the postural x-ray changes you're providing.

and thrived in the last 100 years have done so by first providing outstanding results, second by educating their patients as to why they need chiropractic for a lifetime, and third understanding the limits of the care that they provide and the extent to which a chiropractic adjustment, performed correctly can change people's lives. Till next time, **AJCC**

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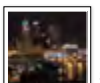
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BioPhysics Insights



Todd Pickman, DC
Private Practice of Chiropractic Eagle, ID
Gonstead Technique & CBP Trained
Chiropractor



Deed E. Harrison, DC
President CBP Seminars, Inc.
President CBP Non-Profit, Inc.
Chair PCCRP Guidelines
Editor—AJCC

Combining Specific Chiropractic Adjusting Techniques with CBP Corrective Care Techniques: Case #2

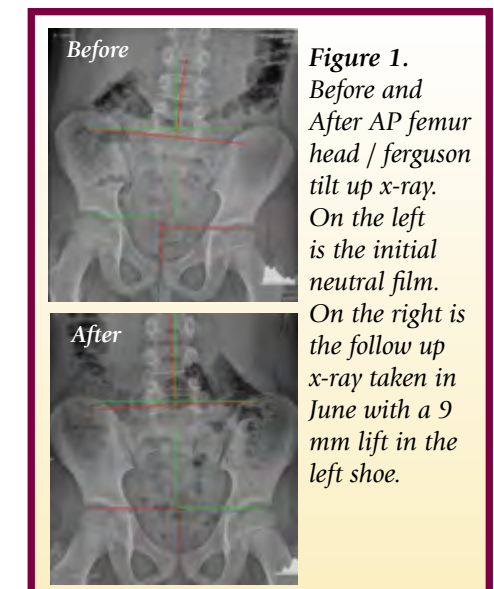
• **Postural Analysis:** Posture analysis revealed a significant left thoracic translation, a right lateral flexion of the ribcage, a right posterior pelvic rotation, a suspected left leg length inequality, a large posterior thoracic translation, and a slight forward head translation.

• Radiographic Analysis:

1. In April of 2012, a modified AP femur head-ferguson view was obtained. On the left of Figure 1, this x-ray is shown. The PostureRay x-ray software system was used to identify and quantify the extent of leg length inequality. A 9mm left leg length inequality was identified with consequent spine abnormality.
2. In April of 2012, a full spine lateral radiograph was obtained. While in June of 2012, a follow up full spine lateral was obtained to document the response to intervention and potential modifications that might be warranted. Figure 2 depicts these full spine radiographs.

• **Interventions:** A total of 24 treatment sessions over the course of 2 months was utilized in this case. For segmental adjusting technique, the treating Chiropractor (TP) exclusively adhered to and utilized the Gonstead Technique system for identified spine subluxations including:

1. Abnormal temperature differential patterns (nervo-scope / tempo-scope).
2. Static palpation data indicating



- the presence of edematous tissue around the injured segment.
3. A decrease in motion of the segment in question, as compared to the surrounding area.
4. Palpable muscle spasm or splinting around the area in question.
5. Visualization of the area (looking for presence of pitting edema, asymmetry in the tissues, etc).
6. Then, consulting the 3-shot, digitally stitched, AP full spine x-ray and the lateral (2 shot) full spine x-ray to analyze the "foundation principle" and relate this to the examination findings.

For the full spine and posture corrective care, CBP® mirror image® adjusting, exercise, traction procedures were utilized. Additionally, body weighting using the thoracic belt from Circular Traction was applied 5 times per week for 15 min walking intervals. These procedures were administered on each visit

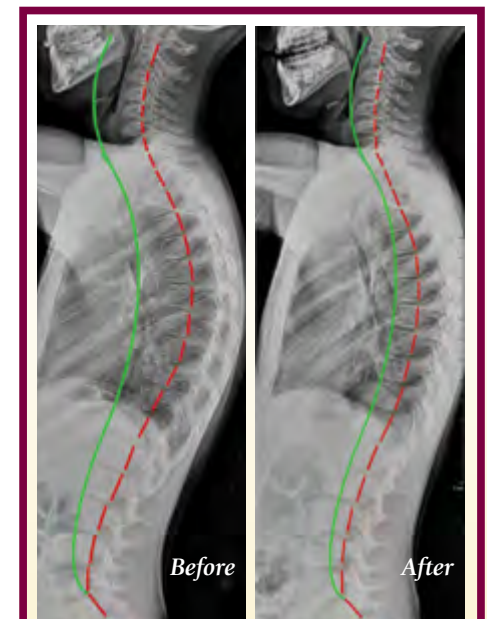


Figure 2. Before and After corrective care full spine lateral radiograph. On the left is the initial neutral film demonstrating a significant posterior translation of the ribcage. On the right is the follow up x-ray demonstrating considerable correction of the spine and posture abnormality.

to the patient. Lastly, a full foot lift of 9 mm was administered to the patient and was placed in the left shoe.

Mirror Image Adjustments

The patient was administered mirror image adjustments to correct posterior thoracic translation with hyper-kyphosis and anterior head translation with head flexion postures. See Figure 3.

Mirror Image Exercises

The patient was administered mirror image® exercises to correct posterior thoracic translation with hyper-kyphosis and anterior head translation postures. See Figure 4.

See Corrective Techniques on page 18



Figure 3. Mirror Image® adjustment. This adjustment focuses on positioning the ribcage into anterior thoracic translation relative to the pelvis.

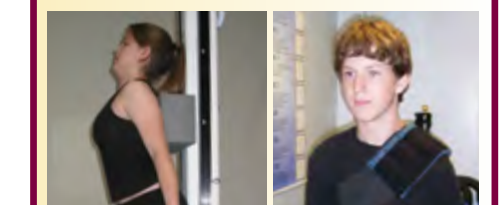


Figure 4. Left— mirror image® exercise focusing on positioning the ribcage into anterior thoracic translation relative to the pelvis. Right— mirror image® body weighting to reduce the left thoracic translation.



Figure 5. Mirror Image® denneroll traction using the thoracic denneroll and the translation support block. This traction system focuses on positioning the ribcage into anterior thoracic translation relative to the pelvis.

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All New PostureScreen CBP® Mirror Image Exercise Content

Mirror Image® Exercise Videos

As a recap, once you have performed a postural analysis you can then choose Mirror Image® exercises to prescribe to your patient (assuming they are in the rehab phase of care). These static exercise images were hand selected by CBP® as the most common postural abnormalities and have been available in PostureScreen Mobile for last 6 months. Now with the recent January release of the new video content, your patients will be guided through their mirror image exercises by Dr. Harrison himself.

Dennerroll Prescription Feature

In January we will also be introducing video instruction for Denneroll use, again demonstrated by Dr. Deed Harrison. These videos will provide your patients with instruction on the proper set up and use of the Denneroll traction device. Both the corrective exercises and Denneroll videos are delivered to your patients via email utilizing WebExercise's secure cloud based system. This will allow your patients to review their personalized rehabilitation program anytime whether traveling or from the comfort of their home. (**Figure 2**).

Motion Capture Analysis

Additionally, coming in early 2013

we will be releasing full Motion Capture and analysis as an in-app upgrade. This new module will give you the ability to quickly assess any movement pattern from spinal ROM to a golf swing. Full running gait analysis can also be performed as well as pre- and post Rock Tape movement analysis. The videos will all be stored under the patient accounts providing comparisons that you can review later to track functional improvements with your patient.

Posture Screen Mobile continues to strive forward giving the structurally based rehabilitation specialist the tools they need to accurately assess posture and movement patterns while aiding in exercise prescription—all within the palm of the clinician's hand.

PostureCo, Inc. is a technology company focusing on radiographic and postural based EMR products. PostureScreen Mobile is available in Apple iTunes AppStore as well as Google Android Play Store. The exercise module for Android is targeted for release in mid 2013.



WebExercises, Inc. is a cloud based exercise prescription and management platform with thousands of exercises. www.WebExercises.com. **AJCC**

Corrective Techniques—cont'd from page 17

Mirror Image® Body Weighting and Denneroll Traction

Mirror Image traction care was administered to the patient. The patient received the denneroll traction system to correct the abnormal thoracic translation posture as shown in Figure 5. In addition the patient was instructed in the use of the denneroll thoracic orthotic and was advised to do this 5 times per week at home.

Case Outcome

Subjectively, at the end of 2 months of corrective care, the patient's posture was remarkably improved. NRS = 1.2 / 10. According to the patient's parents, in their own words, "It's great to see how quickly he has improved. The leveling of his shoulders and hips is apparent and how he carries himself; he is dramatically more upright and balanced".

Objectively, the patient's follow up full spine radiographs in Figure 2 show remarkable reduction of the spinal displacements.

CONCLUSION

The authors' opinion is that the patient's improvements were directly related to both the segmental adjusting and spinal corrective procedures applied using CBP Technique. Accordingly, for optimum patient response, traditional Chiropractic adjustments would seem to be enhanced by the addition of spinal corrective procedures as in CBP. In the end, it is the positive response of the patient that should dictate this combined approach of classical Chiropractic care, with more contemporary corrective Chiropractic systems.

REFERENCES

1.<http://www.chiropractic-biophysics.com/clinical>

cal_chiropractic/2012/12/18/combining-specific-chiropractic-adjusting-techniques-with-cb.html

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Lost Connection II –cont'd from page 4

- foot motion during the stance phase of gait. *Gait Posture* 2007; 25(3):453-462.
2. Benink RJ. The constraint-mechanism of the human tarsus. A roentgenological experimental study. *Acta Orthop Scand Suppl* 1985; 215:1-135.
3. Nester C, Jones RK, Liu A, Howard D, Lundberg A, Arndt A et al. Foot kinematics during walking measured using bone and surface mounted markers. *J Biomech* 2007.
4. Arndt A, Wolf P, Liu A, Nester C, Stacoff A, Jones R et al. Intrinsic foot kinematics measured in vivo during the stance phase of slow running. *J Biomech* 2007; 40(12):2672-2678.
5. Cornwall MW, McPoil TG, Lebec M, Vicenzino B, Wilson J. Reliability of the modified Foot Posture Index. *J Am Podiatr Med Assoc* 2008; 98(1):7-13.
6. The predictive value of the foot posture index on dynamic function. 1st Congress of the International Foot & Ankle Biomechanics (i-FAB) community. 4-6 September 2008, Bologna, Italy; 2008.
7. Brushoij C, Langberg H, Larsen K, Nielsen MB, Holmich P. Reliability and normative values of the foot line test: a technique to assess foot posture. *J*

- Orthop Sports Phys Ther 2007; 37(11):703-707.
8. Jonson SR, Gross MT. Intraexaminer reliability, interexaminer reliability, and mean values for nine lower extremity skeletal measures in healthy naval midshipmen. *J Orthop Sports Phys Ther* 1997; 25(4):253-263.
9. McPoil TG, Cornwall MW. Prediction of dynamic foot posture during running using the longitudinal arch angle. *J Am Podiatr Med Assoc* 2007; 97(2):102-107.
10. McPoil TG, Cornwall MW. Use of the longitudinal arch angle to predict dynamic foot posture in walking. *J Am Podiatr Med Assoc* 2005; 95(2):114-120.
11. Glaser E.S., Bursch D, Currie S.J. Theory, Practice Combine for Custom Orthoses. *Biomechanics* 2006; 13(9):33-43.
12. Trotter LC, Pierrynowski MR. The short-term effectiveness of full-contact custom-made foot orthoses and prefabricated shoe inserts on lower-extremity musculoskeletal pain: a randomized clinical trial. *J Am Podiatr Med Assoc* 2008; 98(5):357-363.
13. Trotter LC, Pierrynowski MR. Changes in Gait Economy Between Full-Contact Custom-made Foot Orthoses and Prefabricated Inserts in Patients with Musculoskeletal Pain: A Randomized Clinical Trial. *J Am Podiatr Med Assoc* 2008; 98(6):429-435. **AJCC**

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INTRODUCTION

In a study from 1893 regarding scoliosis treatment, Bradford and Brackett¹, stated, “there is not only nothing irrational in the method of treatment by forcible mechanical correction when feasible, but it is manifest that when shortened ligaments in spinal curvatures are situated so that they serve as a check to muscular action.”¹ They continue, “when they [ligaments] are strong enough to withstand muscular action, gymnastics [exercises] alone are inadequate as a system of correction.”¹ Bradford and Brackett’s¹ mechanical traction protocol required patients to undergo traction for a half-hour daily. Because this study was done prior to the invention of

x-ray, reported results were not very accurate. More than a century later, CBP[®] researchers and clinicians have found agreement with Bradford and Brackett that exercises should be combined with short duration, high-force mechanical traction in order to obtain the most effective results in scoliosis reduction.

CBP’s Mirror Image[®] Traction for Scoliosis

The traction employed by the CBP[®] practitioner for scoliosis management requires critical reasoning and a thorough understanding of the displacements of the spine and posture. Generally speaking this traction is of the 3-point-bending type of load application or a transverse load applied at the apex of the curve with and without lateral bending, axial rotation, or other movements depending on the specific case. The traction set-up must always be performed in a pre-determined optimum sequence of movements using stress x-rays to guide the decision making process. Mirror Image[®] traction sessions and duration should be a minimum of:

Bradford and Brackett’s¹ mechanical traction protocol required patients to undergo traction for a half-hour daily.

- At least 3-5 times per week. If the patient will traction more than 1 time per day this would be beneficial as long as the patient

is not becoming overly painful from the increased frequency of treatment.

- Traction duration should be 20-30 minutes. The patient starts with 2-3 minutes and over consecutive sessions progresses in time.

CASE REPORT

The current patient had a history of thoracic pain and had been under chiropractic care for many years which she indicated gave her temporary relief. Now at 13 yrs old, her pain and frequency have worsened over the last 4 months to a stage where she was experiencing daily headaches and thoracic pain rated as severe on a numerical rating scale (7-8 / 10).

Initial Radiography

1. Primary Right Thoracic curve = 43 degrees (see Figure 1).
2. Secondary Left Lumbar Curve = 28 degrees (see Figure 1).

1st in traction x-ray using the Denneroll Table and the Scoli-Roll Fulcrum System

The first in-traction x-ray showed that the thoracic spine was well effected however the lumbar spine was bending and under the stress in the incorrect direction (see Figure 2). This showed us that we needed to raise the lumbar spine off the table to help stretch the lumbar spine correctly.

2nd in traction x-ray

In response to the first in-traction x-ray, we decided to raise the pelvis to a level of +2 (two blocks under the right hip to address the concerns of the lumbar spine translation. You will see in the 2nd in-traction x-ray that raising the pelvis

height did not decrease the effects of the ScoliRoll under the thoracic spine. This is obviously achievable

From these in-traction x-rays we can accurately assess that the block under the pelvis is best for the patient’s spine.

due to the downward pressure of the two straps pulling on the thoraco-lumbar spine and upper thoracic region. The specific effects of using the block system to raise the pelvis is really evident when you look at the stress x-ray in figure 3.

From these in-traction x-rays we can accurately assess that the block under the pelvis is best for the patient’s spine. It also shows how x-rays are essential in establishing the best possible traction position.

CHIROPRACTIC INTERVENTIONS

Due to the positive findings of the stress radiographs, the patient was recommended to undergo corrective chiropractic care including Mirror Image traction on the denneroll table, Mirror image adjusting, and Mirror Image Exercises. She was seen for 3 x week for 1-month (with a couple of interruptions) and was advised on doing home exercises on the days she was not being treated in the office.

- **Mirror Image[®] Exercises and Adjustments**

We believe that both postural based exercises and adjustments are

See Traction System on page 21

Traction System—cont’d from page 20

vital in consolidating the benefits of the effective spine stretching using the denneroll 3-point bending traction table. During the patient’s exercise, neurological stimulation was added by impulsing the spine during her exercise movements; thus turning the exercise into the adjustment.

After 5 weeks and 13 sessions, we can see the corrective improvements in the patient’s spine. The patient’s symptoms have been reduced 90%. Thus, she is symptomatically doing very well and began improving after her 1st session and has reported no symptoms at all for the last 3 weeks.

• 5 weeks-Follow up Radiography

A one month follow up radiographs of the thoracic and lumbar spines were obtained to identify if the recommended and applied treatment was having the desired effect. Obviously scoliosis of this magnitude might require more frequent and increased numbers of sessions. However, only a follow up radiograph can truly determine what extent more care or different care is required.

After 5 weeks and 13 sessions, we can see the corrective improvements in the patient’s spine.

A remarkable reduction of the PA Thoracic scoliotic curve was identified from 41 degrees down to 28 degrees on the post (a 13° net improvement). Similarly, the PA Lumbar curvature demonstrated improvement. See Figure 5.

SUMMARY

This case presents the initial successful reduction of a primary thoracic scoliosis in an adolescent female with a history of chronic pain. After 5 weeks and 13 sessions, we can see the corrective improvements in the patient’s spine. The patient’s



Figure 1. Pre PA Thoracic and PA Lumbar X-rays stitched together for convenience of showing.



Figure 5. Follow up PA thoracic and PA Lumbar radiographs after only 1-month of care demonstrates considerable improvement in the scoliosis curvature.



Figure 2. Shown on the left is the three-point Stress radiography setup on the denneroll table. Note that the scoli-roll denneroll orthotic is placed just below the patients apex of the thoracic scoliosis. On the right is the actual stress x-ray.

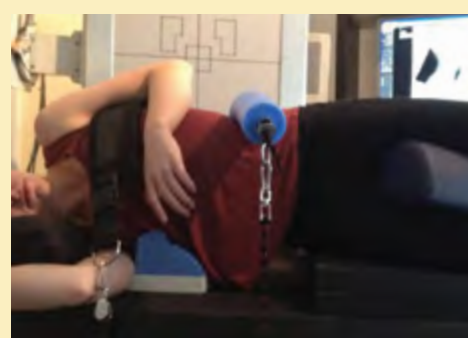


Figure 3. Shown on the left is the three-point Stress radiography setup on the denneroll table with 2 blocks placed under the right side of the pelvis to create thoraco-lumbar translation. Note the improvement in the appearance of the lumbar curve while simultaneously decreasing the thoracic curve.

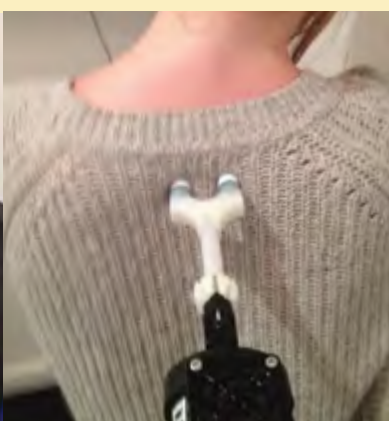


Figure 4. On the left is the Mirror Image[®] Postural based exercises the patient was instructed to before. Note that the movement is actively performed in the upright posture and is nearly identical to the traction setup used on the denneroll table. On the right is the Mirror Image[®] adjustment used.

symptoms have been reduced 90%. We believe the results are due to the combined effect of the Mirror Image treatment methods includ-

A remarkable reduction of the PA Thoracic scoliotic curve was identified from 41 degrees down to 28 degrees on the post (a 13° net improvement).

ing the 3-point bending traction employed using the 3-D Denneroll Traction Table. The patient is continuing care and perhaps a future article will address her response.

REFERENCES

1. Bradford EH, Brackett EG. Treatment of lateral curvature by mean of pressure correction. 1893 AJCC

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Leslie Trotter BSc, DC, MBA, MSc
Dr. Leslie Trotter co-owns a sports medicine clinic in Ancaster, Ontario, and is Canadian contact for RockTape brand kinesiology tape.

INTRODUCTION

As chiropractors, sometimes our efforts become frustrating if our careful attention to adjusting, stretching and strengthening, is undermined by patients resuming the same postural flaws that landed them in our offices in the first place. How exciting would it be to have a sticky, stretchy little assistant that reminded our patients for 2-5 days about positional awareness? Enter elastic therapeutic tape!

By now, the vast majority of practitioners have had some exposure to elastic therapeutic tape or “kinesiology-tape”, the commonly used brand name of developer Kenzo Kase. Tape companies claim it “reduces muscle soreness, improves function, decreases bruising, and decreases pain” and to some extent, these claims appear to be accurate.

Anything that touches our body’s biggest organ, the skin, has a cutaneous mechanoreceptor effect that stimulates receptors to enhance body kinesthesia

How exciting would it be to have a sticky, stretchy little assistant that reminded our patients for 2-5 days about positional awareness?

Kinesiology Tape for Postural Control

or movement awareness. By stimulating large skin mechanoreceptors, kinesiology tape can also downgrade painful stimuli from the nociceptors, which decreases pain perception.

Early and persistent reasoning suggested that using the tape in an “origin to insertion”, or “muscle action” methodology, best serves to support/stimulate external body areas. While this approach probably makes the most intuitive sense to medical practitioners as it follows anatomical “rules of engagement”, emergent theories, which consider entire postural muscle groups, are making a strong case.



Dr. Steven Capobianco, chiropractor and developer of the Fascial Movement Taping (FMT) method argues, kinesiology taping should be “based on the obvious yet largely overlooked concept of muscles acting as a chain... the body’s integration of movement via multi-muscle contractions as a means of connecting the brain to the body’s uninterrupted fascial web in order to enhance rehab and athletic performance via cutaneous (skin) stimulation. By taping movement rather than muscles, FMT has demonstrated greater improvement in both patient care and sport performance.”

Dr. Capobianco is not alone in this line of thinking. Leading fascia researcher, Robert Schleip PhD, underscores movement and its role in pain and dysfunction¹. Additional support for this model comes from Thomas

Myers in his ground-breaking book, “Anatomy Trains”². He offers a template to assess, treat, and manage body-wide motor dysfunction based on myofascial meridians, and movement impairment.

Physical Therapy professor, Heather Murray, makes a strong case for the use of elastic therapeutic tape in those who maintain abnormal postures of the head and neck (i.e. in the work place). Her team conducted a pilot study³, which seemed to suggest that taping for scapular protraction could maintain better posture and decrease perception of pain.



Recent research indicates that kinesiology tape has a greater stimulatory effect with compromised tissue (due to injury or fatigue due to poor posture). Thedon, et al⁴ conducted a study to evaluate body sway in individuals with and without tape. They found that the tape showed very little change in the uncompromised condition, but when the subjects were fatigued, the tape provided an added stimulatory effect to the skin helping to compensate for the loss of information fed to the brain from the muscles and joints. For the pain and performance community, this study provides insight into an “auxiliary” system, such as the skin, to augment treatment and training outcomes.

A 2012 study⁵ of 32 surgeons, showed a statistically significant reduction in neck and low back pain

Recent research indicates that kinesiology tape has a greater stimulatory effect with compromised tissue (due to injury or fatigue due to poor posture).

(using Oswestry Low Back Disability Index and Neck Disability Index) and functional performance (using neck and low back range of motion scores) with the use of kinesiology tape during surgery. This may have far-reaching implications for other jobs/activities where sustained positions result in musculoskeletal pain.

Let’s look at a common complaint where chiropractors can utilize elastic therapeutic tape to enhance postural control (awareness). Kinesiology tape is commonly used in chiropractic offices to enhance scapular retraction, alleviating upper extremity discomfort caused by internally rotating shoulders (especially when the scapula is in a protracted position). The tape, according to Dr. Capobianco’s model, is applied in a functional manner to augment its therapeutic effect. Begin by addressing the neuro-myo-skeletal dysfunction associated with the protracted shoulder girdle (manipulation, myofascial release, movement re-patterning, etc.). Once the patient is able to appreciate an appropriate retracted/depressed scapula, apply the kinesiology tape (see inset) in a manner to, appropriately, stimulate the local receptors once the intended position is lost.

Step 1: Manually mobilize/manipulate the thoracic spine and shoulder girdle and associated myofascial chains
Step 2: Place patient/athlete into appropriate postural position that centrates the scapula-thoracic segment.

See Kinesiology Tape on page 25

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Reverse Casualty—cont'd from page 3

present conflicting conclusions.” The contention that “compensation is ‘bad for health’, should be viewed with caution.”

In June 2012, Natalie Spearing and colleagues published another on-topic study in the journal *Pain*, titled²: **Does injury compensation lead to worse health after whiplash?** In this article, Spearing and colleagues introduce the concept of *Reverse Causality Bias* in the evaluation of the relationship between compensation and health outcome. They note that *Reverse Causality Bias* occurs when the results of a study are interpreted to mean that whiplash-injured people who hire lawyers to obtain compensation have worse health recovery outcomes; when in fact it may actually mean that whiplash-injured people with greater injuries, more pain and more disability are the ones who seek lawyers to help them obtain the benefits they need.

The authors note that many

believe that compensation after whiplash injury does more harm than good. There is a view that injury compensation leads to worse health, called the “*compensation hypothesis*.” This view that compensation is harmful has been used as an argument for reductions to compensation benefits, to influence judicial decisions, and to advise people that compensation payments will impede their recovery. After their review of the literature, these authors state:

“There is no clear evidence to support the idea that compensation and its related processes lead to worse health.” Claiming “*lawyer involvement leads to worse pain*,” could also be interpreted as “*worse pain increases the likelihood of lawyer involvement*.”

“It is important to ascertain whether statistically significant negative associations between compensation-related factors and health do indeed indicate that exposure to these factors leads to worse health, or whether they simply reflect the likelihood that people in comparatively worse health (eg, pain)

are more likely to pursue compensation. Unless the latter possibility is considered, decisions to reduce compensation benefits may inadvertently disadvantage those who are in most need of assistance, which would be an undesirable (and unintended) policy consequence.”

Of the 503 subjects who agreed to participate in the study, 80% developed neck pain within 7 days of collision (early whiplash).

In November 2012, Natalie Spearing and colleagues extended their research on these topics with a study published in the Journal of Clinical Epidemiology, titled³: **Research on injury compensation and health outcomes: Ignoring the problem of reverse causality led to a biased conclusion**

This study highlights the serious consequences of ignoring *Reverse Causality Bias* in studies on compensation-related factors and health outcomes. These authors evaluated *Reverse Causality* using a sophisticated mathematical assessment of compensation claims associated with recovery from neck pain (whiplash) after rear-end collisions.

Of the 503 subjects who agreed to participate in the study, 80% developed neck pain within 7 days of collision (early whiplash). Sixty-five percent of those with early whiplash symptoms became claimants, while 35% of those with early whiplash symptoms were non-claimants. Neck pain at 24 months was selected as the primary health outcome. Neck pain severity was measured using the visual analogue scale (VAS) score (0–100).

These authors state: “*Although it is commonly believed that claiming compensation leads to worse recovery, it is also possible that poor recovery may lead to compensation claims—a point that is seldom considered and never addressed empirically.*” And “*When reverse causality is ignored, claimants appear to have*

a worse recovery than non-claimants; however, when reverse causality bias is addressed, claiming compensation appears to have a beneficial effect on recovery.”

Reverse Causality must be evaluated to “*avert biased policy and judicial decisions that might inadvertently disadvantage people with compensable injuries.*” And “*Once reverse causality bias is addressed, people who claim compensation appear to experience a better recovery from neck pain at 24 months compared with non-claimants.*”

“The results of this study suggest that compensation claiming may not be disadvantageous to injured parties after all and that it may even have a beneficial effect,” because access to financial assistance and/or treatment may “*indeed relieve pain and suffering. This is, after all, one of the motivations for compensating people who have sustained an insult to their health.*”

“This study serves as a reminder of the dangers of drawing causal interpretations from statistical associations when the causal framework is ambiguous. It establishes, empirically, that reverse causality must be addressed in studies on compensation-related factors and health outcomes.”

SUMMARY

These authors reject the hypothesis that the decision to claim compensation negatively affects recovery. In contrast, they show that people with worse health tend to claim compensation. Policies that restrict access to compensation benefits or legal advice may inadvertently disadvantage people who need financial or legal assistance. In addition, many injured people feel compelled to seek legal counsel because it is their belief that their insurance company is treating them unfairly, hindering them from obtaining the treatment they need to recover.

REFERENCES

1.Spearing NM, Connolly LB; Is compensation “bad for health”? A systematic meta-review; Injury; January 2011; Vol. 42; No. 1; pp. 15-24.
2.Spearing NM, Connolly LB, Gargett S, Sterling M; Does injury compensation lead to worse health after whiplash? A systematic review; Pain; June 2012; Vol. 153; No. 6; pp. 1274-82.
3.Spearing NM, Connolly LB, Nghiem HS, Pobereskin L; Journal of Clinical Epidemiology; November 2012; Vol. 65; No. 11; pp. 1219-1226.
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Kinesiology Tape—cont'd from page 22

Step 3: Tape the local area (see X pattern and H pattern) with “NO” stretch to stimulate local receptors

Step 4: Corrective exercises that will help with postural re-education.

Kinesiology tape breathes well and flexes like a second skin, unlike most braces that act more like abrasive exoskeletons.

SUMMARY

Clearly the use of kinesiology tape is popular (millions of users) and the applications are broad (from athletic injuries to edema). Specific evidence for efficacy is scant but growing, and plausible. There are currently no reported dangers associated with using this elastic cotton mesh bandage, and the only significant contraindication is on open wounds. Kinesiology tape breathes well and flexes like a second skin, unlike most braces that act more like abrasive exoskeletons. It withstands sweat and/or water and is by most comparisons a cost-effective treatment modality. While science is unlikely to discover that kinesiology tape is the panacea for all aches, injuries and postural distortions, medical practitioners should keep this tool in the chest due to its vast possibilities in treating patient complaints and as a tool for postural re-education.

REFERENCES

1.Schleip R, Muller D. Training principles for fascial connective tissues: Scientific foundation and suggested practical applications. J Body Move Ther 2012;1-13.
2.Myers, T.W. 2009. Anatomy Trains: Myofascial Meridans for Manual and Movement Therapists. New York: Churchill-Livingston.
3.Heather M. Murray, Effects of Kinesio Taping on Posture and Presence of Upper Extremity Pain (http://www.theratape.com/education-center/wp-content/uploads/2012/11/Kinesio-Study-Upper-Extremity-Pain.pdf).
4.Theidon T, et al. Degraded postural performance after muscle fatigue compensated by skin stimulation. Gait Posture, 2011 Apr;33(4) 686–9.
5.Karatas N, Bici S, Baltaci G, Caner H. The effects of kinesiotope application on functional performance in surgeons who have musculo-skeletal pain after performing surgery. Turk Neurosurg 22(1):83-9, 2012. **AJCC**

Why & How—cont'd from page 14

sustaining practice growth without investing consistently into both areas. The best scenario is to have a good mix of both. With a good amount of how and why, a practice can have steady, sustainable growth.

Questions for you to answer after reading this should include: Where do your tendencies fall? Where do you need to be courageous, and where do you need to step into fear? **AJCC**

Learn to talk—cont'd from page 11

Over 80% of people DON'T write goals. Without a vision of what they want they will not have the emotional commitment or a clear destination to move toward. For this reason we have patients write 20-30 year health/life goals. We “coach” them to see the life they desire with GREAT emotional attachment and they also see they can't live that life if they allow their subluxated spine and posture to remain and progress. NOW your program becomes the vehicle to get what THEY want. This is one of the many reasons Elite Coaching clients receive greater value for spinal corrective care. We teach you how to TRULY “coach” your patients.

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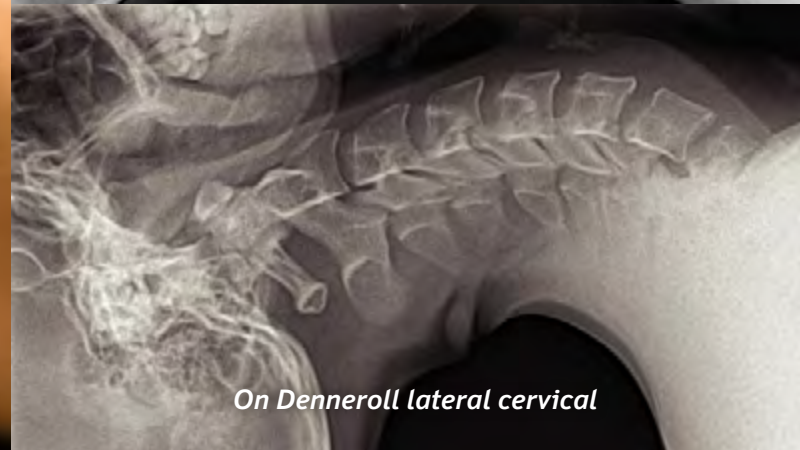
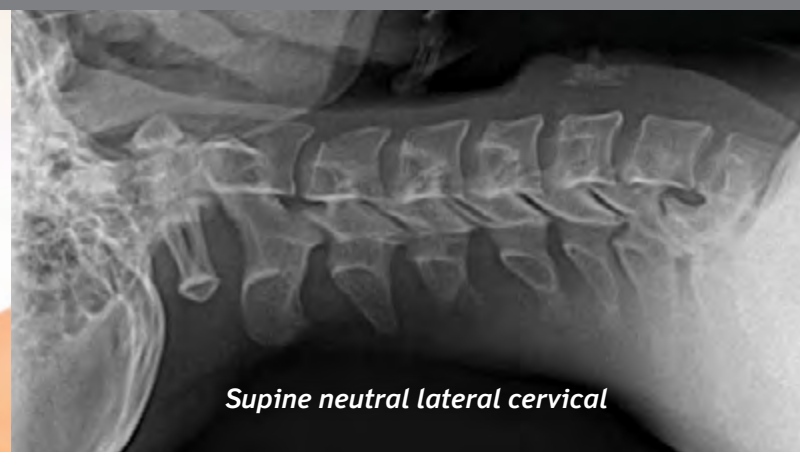
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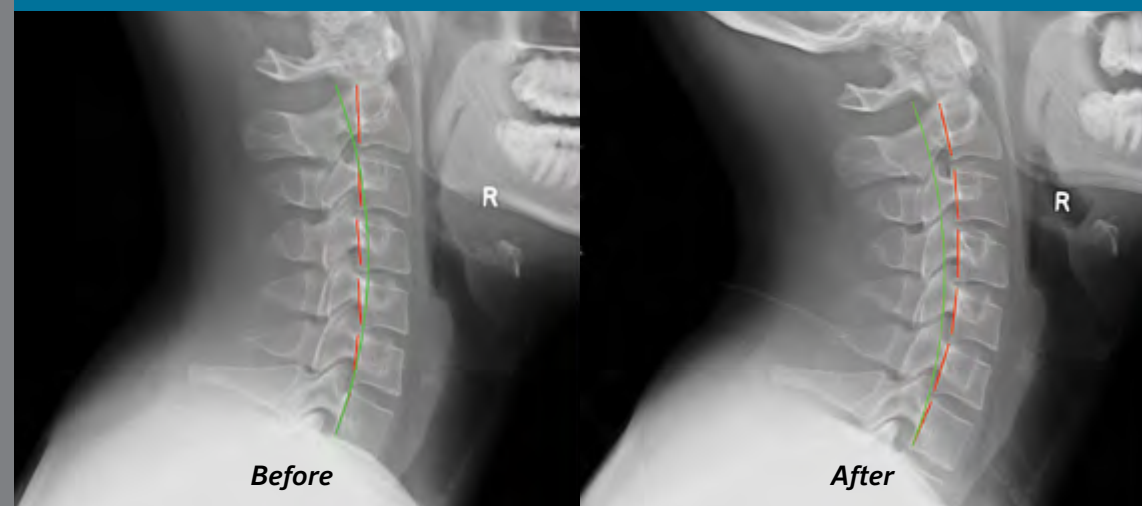
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Patent Pending –Cervical Denneroll: Canadian Application No. 2560639, US Application No. 12/468547



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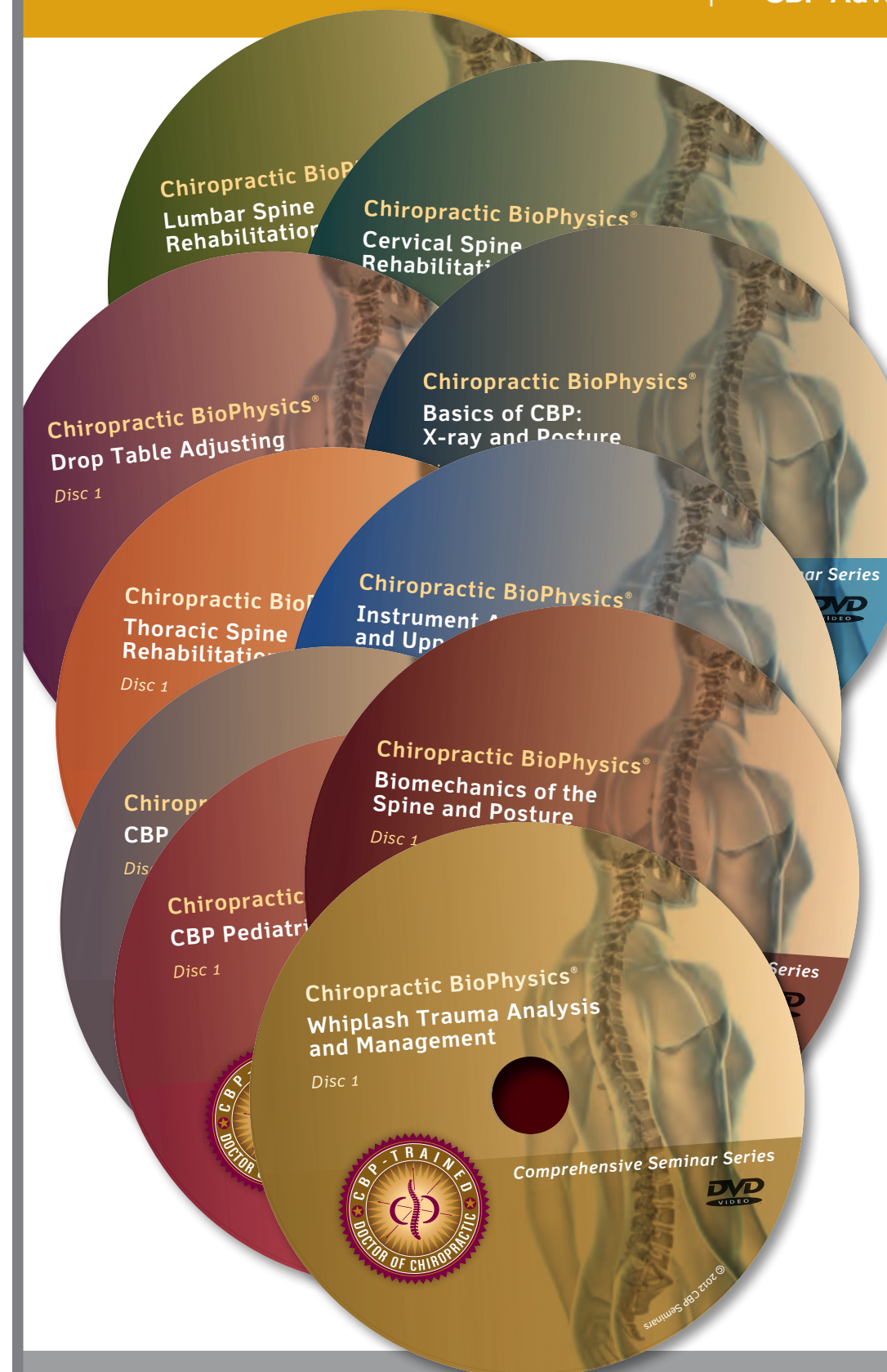
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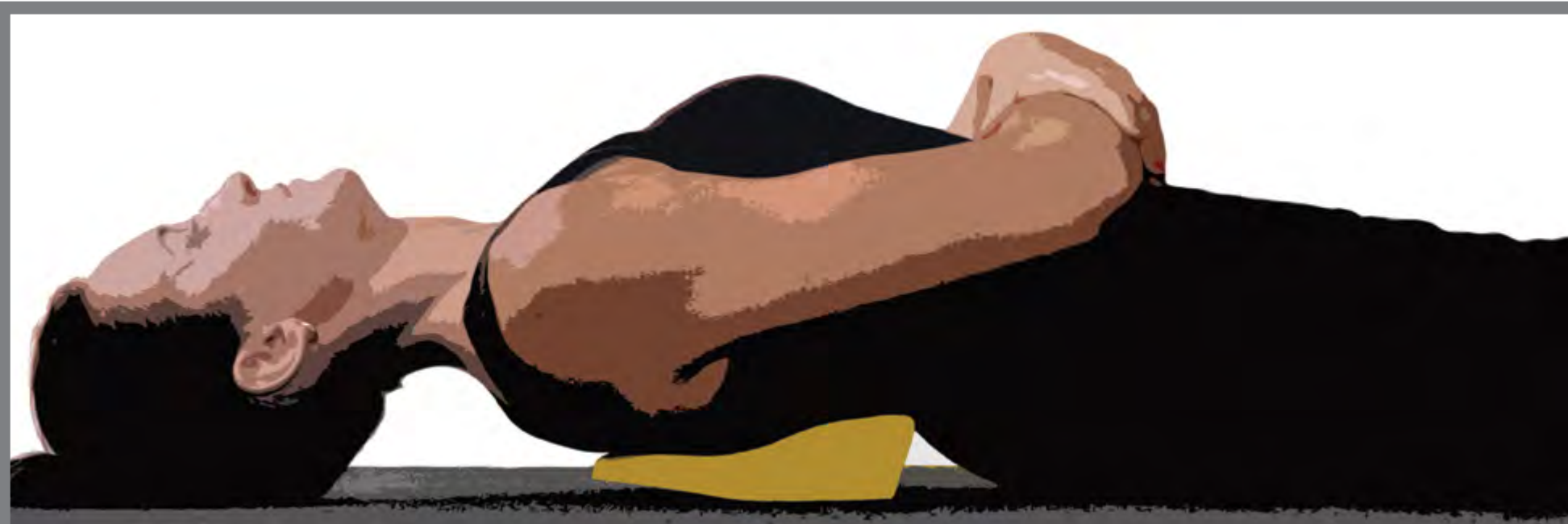
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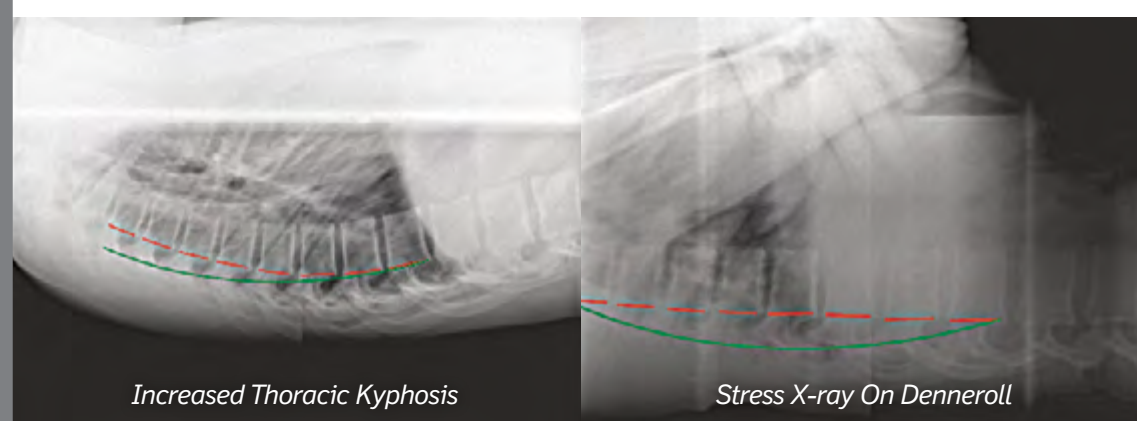
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Patent Pending –Thoracic Denneroll: Canadian Application No. 137759, US Application No. 29/377,954



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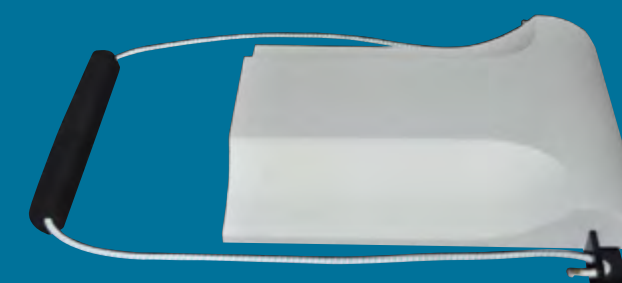
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Patent Pending –Thoracic Denneroll Component:
Canadian Application No. 137759, US Application No. 29/377,954





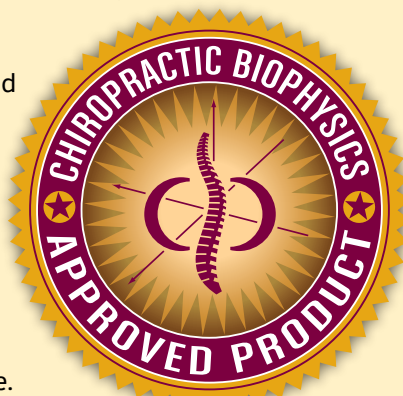
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With Chiropractic BioPhysics® techniques and the Lumbar Denneroll, you can provide relief and improve health for back-pain patients.

Designed by chiropractors and endorsed by CBP®, The Lumbar Denneroll provides a gentle, but effective, stretch to coax the lumbar spine back to its ideal curvature, or lordosis. Which relieves pain and reduces the risk of nerve, ligament, and muscle damage.

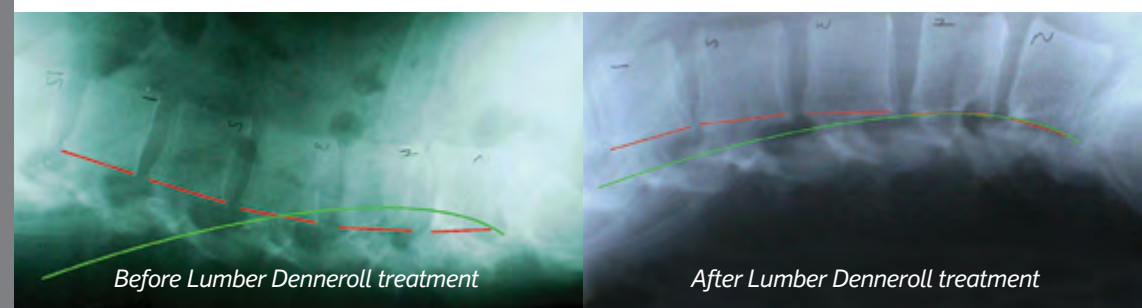
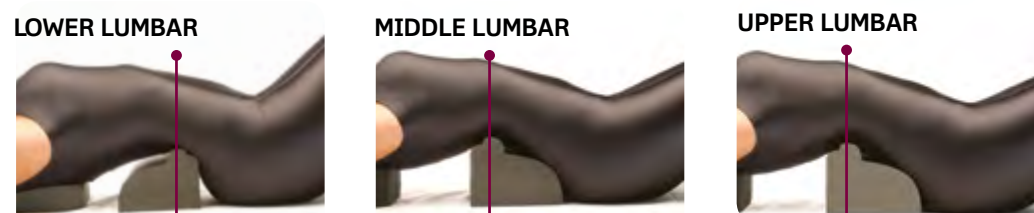
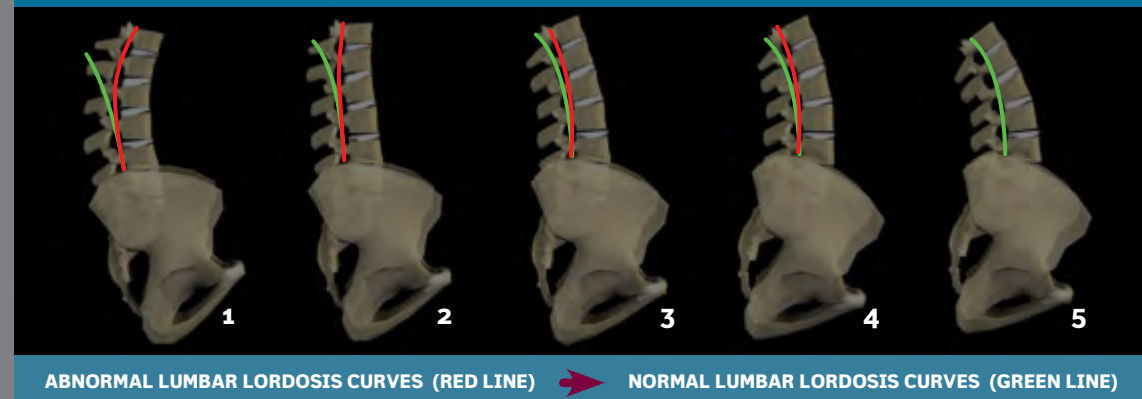
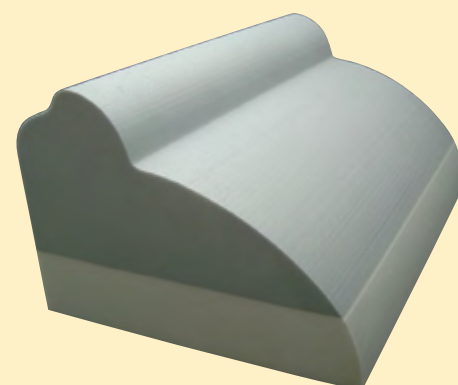


In certain cases, the Thoracic Support Block System makes spinal treatment more effective. Contoured to allow the scapula and shoulder region to roll back into slight retraction and external rotation, the device reduces posterior thoracic cage translation at the same time the Lumbar Denneroll improves lordosis.

Put Denneroll to work for your patients—with cervical, thoracic, and lumbar devices available, you can improve the spine from top to bottom.

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Patent Pending –Lumbar Denneroll: Canadian Application No. 137758, US Application No. 29/377,956



Everything you want your patients to know about Chiropractic BioPhysics® but you don't have time to explain.

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As every CBP®-trained chiropractor knows, the more your patients know about our unique treatment methods and the resulting improvement in health, the better. Unfortunately, in the hustle and bustle of a busy practice, repeatedly explaining the basics to patient after patient can be impossible.

That's where CBP's new Patient Education Program can help.

We've developed a series of informational brochures to provide a basic understanding of the relationship of the spine and musculoskeletal system to health, how chiropractic can help, and how CBP's proven methods offer superior results.

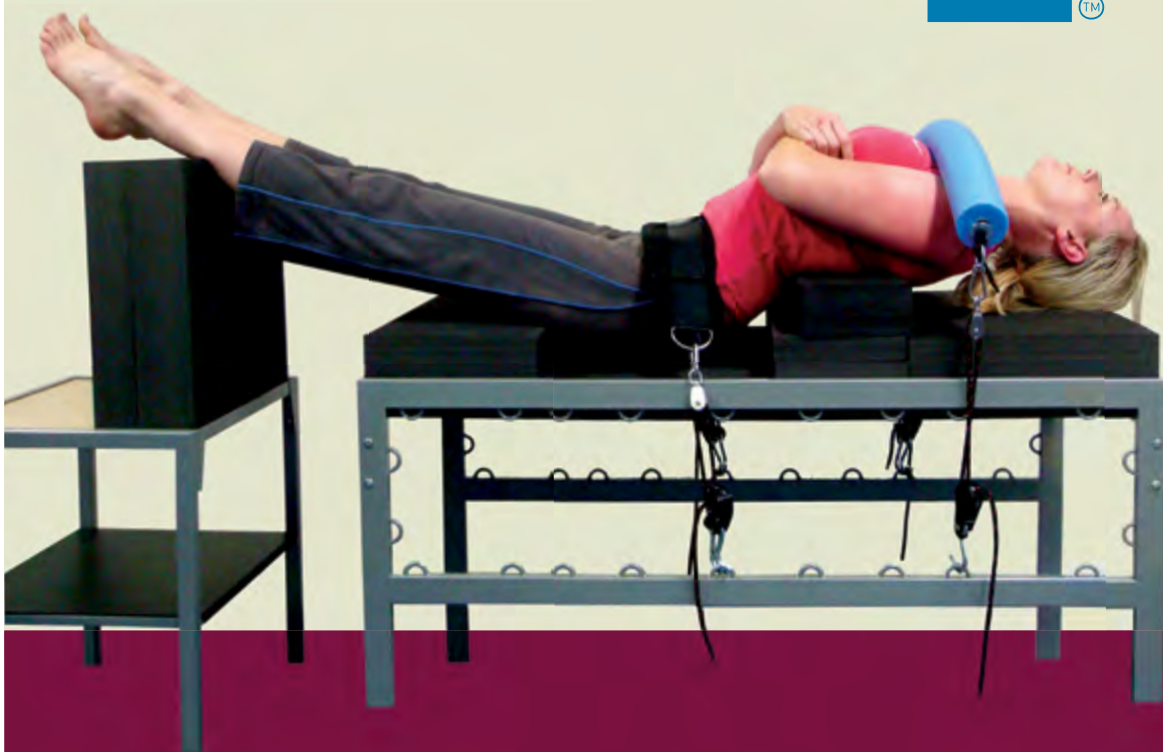
With this understanding, your discussions with patients will be more productive and beneficial, leading to improved communication and understanding, resulting in more effective and efficient treatment.

Currently available are four brochures on: "Better Back", "Proper Posture", "Spinal Remodeling", and "Techniques of Chiropractic BioPhysics" (mirror image® adjusting, exercise, and maintenance care).

They'll look good in your office. They'll make your patients feel important. And they'll make your education efforts more productive. So don't wait—order a supply of CBP Patient Education materials today.



Full Spine Treatment with the 3D Denneroll System!



On Sale for Only **\$1695**
Regularly \$2195

- ✓ The in-office system that compliments the Denneroll product line at home.
- ✓ Capable of regional or full spine side lying rotation and translation mirror image® setups.
- ✓ Capable of regional or full spine sagittal plane curves, rotations, and translations, mirror image® setups.
- ✓ The table can be used to introduce the Denneroll orthotics to your patients prior to use at home.



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