















Kevin's Ultimate each of you to Goal: scan (or foam cast) of your patients because you understand it is important to do so!

8

Inspire/Reinforce



































































## Joint Movements





41

Do<sup>r</sup>siflexi ∣nand -lan.1ar flexiono he001⊧a be an.ke

n ersio and 1<mark>\_</mark> ersion of

jhe oo a∘heankle





















































Prohate extremely, supinate extremely with hands on greater trochanters.
Patients SEE and FEEL connection between feet, knees, hips, pelvis and spine.

65




























































































•History or chronicity of symptoms •Spinal/extremity symptoms worse with WB •Short-term response to Chiro.

























































HAMMER TOES

134

























asymmetrical overpronation

146









































c. Postural scoliosis d. Disc degeneration/spondylosis

With Foot Levelers Orthotics

4 mm









| TOT LEVELERS                                 | Actives of Papelal Medicine and Medicilation 2017 MILTER 42   |
|--|---|
|  | ORDEDNAL RESEARCH   |
|  | Shoe Orthotics for the Treatment of Chronic Low Back  Pain: A Randomized Controlled Trial   |
| Shoe Orthotics for the Treatment of          | Jerrityn A. Cambron, DC, NFH, PhD, <sup>4</sup> Jennifler N. Deshelmer, BS, LMT, <sup>4</sup><br>Hanuel Duarte, DC, HSAc, DABGO, DAGBSP, <sup>5</sup> Sally Freels, HS, PhD <sup>4</sup>  |
| <u> Chronic Low Back Pain: A Handomize</u> d | From the "Department of Research, Rectand University of Health Sciences, Lamberd, X., "Separatment of Strictal Practice, Rectand University of Health Sciences, Lamberd, X.; and "School of Public Health, Sincison of Splitemiology and Recentricities, University of Silveos, Orisops, S  |
| Controlled Trial                             | Fields I.<br>Big Market To investigate the efficacy of observations with and without chireprotect treatment for densits loss back pairs compared with a<br>formation.   |
| Published in the Archives of Physical        | Berlige Realistical starting data. Berlinge Realistical methods and starting data at a sub-rate. Perdiperson, Adda adaptat of v120 with opportunity has hard gate of (2) modile uses rescaled from a vehicular ange. Realistical methods and the starting of the start of the start at the starting of the start of the start at the starting of the start of the start at the starting of the start of the start at the start of the star  |
| Vedicine and Rehabilitation                  | Sam mange. The unlike proproduct in sum.<br>New Advance Manners The pharmy concernments wave sharps in proceeds had pair (neuroscient) pair states and has drive a attributed band<br>states: Observing Statesting band and he wasks of study participation. Obsciences was also associated allo 12 wasks and has alter as attributed<br>by and 12 works, and 12 manners and  |
| A year-long randomized controlled trial      | spin-bardy protes improvement in pin ( $P$ -(2012) and handra ( $P$ 2002). The abilities of chrospotic to reducia transmission dimension<br>spin-bardy points improvement in the local ( $P$ -1.523) which compare 4 the definition of the pin and definition in pin ( $P$ -2.523.<br>Comp difference at 12 waits and how went out applicable.<br>Comp difference on the definition improvement is the fluctuation.   |
| by National University of Health             | Ankinn of Physical Mohine and Radottains 20(20):123-42<br>0 20(1) ph Anexina Congress of Habitainia Mohine Mohine Mohine In. This is an open soons arisin under the CC EE NC 20<br>Instant deep Anexina congress and anexina on a 20(20).   |
|  | Lev had, pain (23P) is a staadly increasing global spikenis.<br>Approximably 22V of the L3 adult oppositions experisons L2P<br>along 3 much time protein start of source approximate L2P<br>pains one the event of source along and an end of source and a start<br>wild of L2P and the change that had a start and a start of source and a start<br>wild of L2P and the change that had a start and a start of source and a start<br>wild of L2P and the change that had a start of source and |
| 225 patients with chronic LBP                | Ampend with the first data of the strength of                   |
|  | and a second of a second a second secon  |



































## NEUROLOGICAL EXPLANATION

 Nociceptors send impulses to the spinal cord causing <u>Pre-Synaptic Inhibition</u> of the anterior horn cells.

185

• This produces 7-10 seconds of muscle weakness.

















According to the ACA, the most frequently used techniques by  $$\ensuremath{\mathsf{DC}}\xspace's$  are:

Diversified 95.9%, Activator Methods 62.8%, Gonstead 58.5%, Cox Flexion/Distraction 58.0%, Thompson 55.9%, SOT 41.3%, AK 43.2%, Extremity adjusting 41.3%, NIMMO/ Receptor Tonus 40.0%, Cranial 37.3%, Adjustive Instruments 34.5%, Palmer upper cervical (HIO) 28.8%, Logan Basic 28.7%, Meric 19.9%, and Pierce-Stillwagon 17.1%














































































N forms/MT's 231





















































255

253

TEK MODEL F7

lantar Fasciitis



















 THERA-CISER CONCEPTS

 Wide variability of speeds from very fast motion to very slow sustained contractions.

 Resistance provided by the tubing can easily be very light to very heavy.















| THERA-CISER: ATHLETIC PATIENT |  |                    |                         |                                  |
|-------------------------------|--|--------------------|-------------------------|----------------------------------|
|                               | Phase  | Range of<br>Motion | Speed of<br>Contraction | How Long Each<br>Exercise Motion |
|                               | 1  | short              | slow                    | 2 min. daily                     |
|                               | П  | short              | fast                    | to fatigue daily                 |
|                               | Ш  | full               | slow                    | to fatigue every other day       |
|                               | IV   | full               | fast                    | to fatigue every other day       |
|                               | After each exercise session use ice. 2 wks per phase |                    |                         |                                  |























































ACHILLES TENDONITIS

• Excessive Pronation flattens the arches and drops the feet medially.
• Stress on the achilles tendons and they bow inward.

• Office of the archest of the archest















Weight bearing pain

302



















## WHY SHOULD I CARE ABOUT THE FEET?

• Most Chiropractors NEVER check the feet.

310

- Medical Professionals are too focused on the location of the pain and they ignore the "Big Picture".
- The feet support and balance the entire body, including the shoulders, neck and TMJ.
- Without proper support arch issues of the feet only worsen with age; they do not improve.
- Extremity problems will destabilize the spine. Stabilize the extremities and the spine follows.

311



















KNEE DISLOCAT ON

320


















































































































