

June 18th, 2015 Chris Gnip, PT, DPT, Victor Chang, PT, DPT & Kendra Neilsen Myles, Owner - EDS Patient Solutions, LLC

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Moving Naturally with Hypermobility

Christopher Gnip, Victor Chang and Kendra Neilsen Myles are all passionate about helping patients who suffer from chronic pain associated with hypermobility syndromes. Our hope is to help patients learn ways to move naturally with hypermobility, live with less pain, and be empowered to improve their overall health and well-being.



B.S. Public Health - University of Maryland

Owner of EDS Patient Solutions & Mediterina Medical Solutions

Co-Owner & Author of <u>Our</u> <u>Stories of Strength - Living with</u> <u>Ehlers-Danlos Syndrome</u>

Also, Wife, Mom of 3, 2 pups, EDNF Helpline Volunteer & co-admin for EDS Athletes FB group

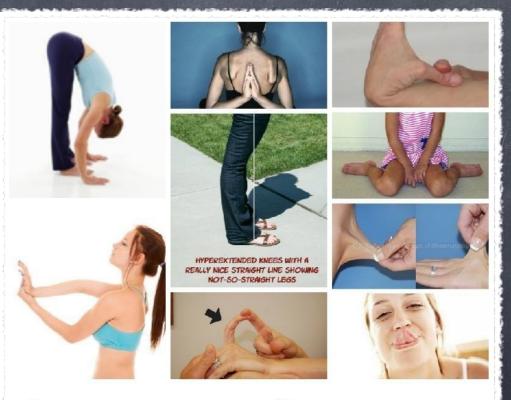




Living with chronic pain is one of the hardest things that many of us have to endure on a daily basis. Living with pain while also coping with the multi-systemic affects of joint hypermobility, commonly diagnosed as Ehlers-Danlos Syndrome (EDS), is even more challenging. some of the best approaches for managing chronic pain due to Hypermobility Syndrome/EDS are gaining a solid understanding of how hypermobility can effect the entire body, learning how to move and exercise properly, making healthy lifestyle changes, and finding a strong, positive support system.

What is Hypermobility Syndrome?

- Usually means joints are hypermobile or double-jointed
- Previously referred to as Benign Joint Hypermobility Syndrome (BJHS),
 Hypermobility Syndrome (HMS), Ehlers-Danlos Syndrome Type III or "really, really flexible."
- Ehlers-Danlos Syndrome Type III is now Ehlers-Danlos Hypermobility Type
- BJHS, HMS, EDS Type III/HEDS & "really, really flexible" are all now recognized as Ehlers-Danlos Syndrome Hypermobility Type (or another type of EDS)

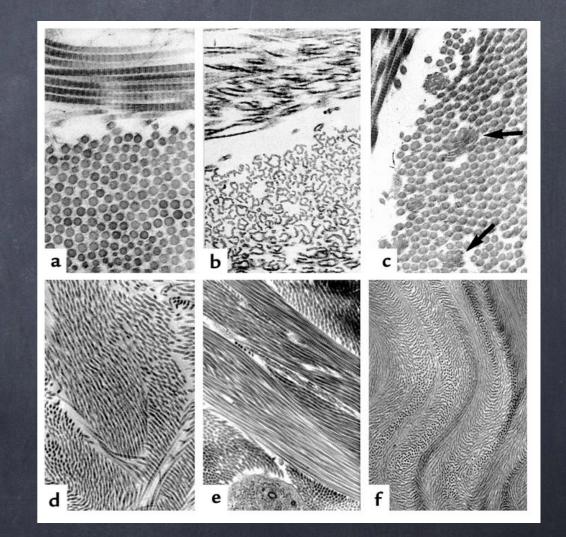


IF YOU CAN DO MORE THAN A COUPLE OF THESE AND YOU HAVE CHRONIC JOINT PAIN EDUCATE YOURSELF ABOUT JOINT HYPERMOBILITY SYNDROME/EHLERS-DANLOS SYNDROME

Pay extra attention if you have any of these associated conditions: frequent dislocations, tendonitis/tendonosis, POTS, easy bruising, fragile skin, fatigue, poor healing, TMJ, early onset of osteoarthritis/osteoperosis, IBS or other GI issues, flat feet, Chiari malformation, organ rupture, or mitral valve prolapse,

Types of EDS

- Hypermobility EDS (Type III)
 Classical EDS (Type I & II)
 Vascular EDS (Type IV)
- Kyphoscoliosis Type
- Arthrochalasia Type
- Ø Dermatoparaxis Type



other types of EDS

•Musculo-contractural type

- •Multiplex congenital
- ·Periodontitis Type
- •Progeroid
- •B3GALT6 Deficiency
- ·Cardiac valvular
- •FKBP14-related
- •spondylocheirodysplastic
- •Tenascin-X Deficient

Periventricular heterotopia, ED variant

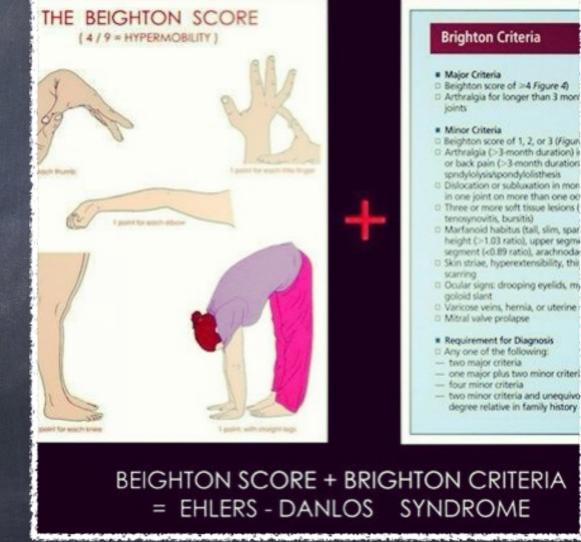


One of the recently defined type of #EDS is the Musculocontractural Type which is caused by mutations in CHST14 gene.



How is EDS Diagnosed?

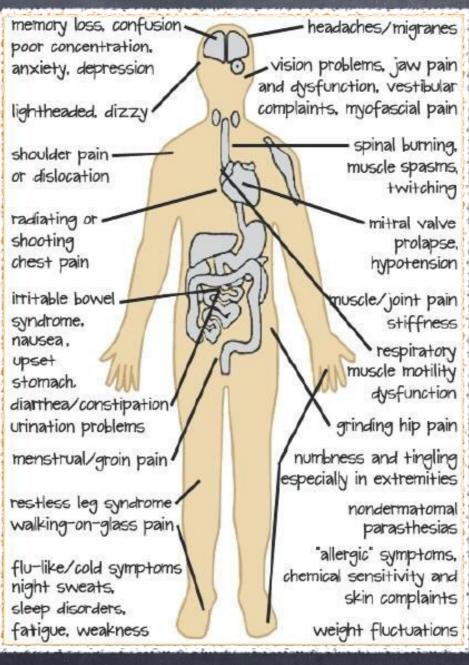
- · Usually by a geneticist
- · Beighton Score
- Brighton Criteria
- Assessment of joint hypermobility, personal medial history, current symptoms & family medical history.
- Combination of major & minor criteria as determined by the 1997 EDS Nosology (To be redone in 2016 at the EDS International Symposium)



Other signs & symptoms of hypermobility













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Types of Hypermobility Syndromes

- Ehlers-Danlos Hypermobility Type (previously JHS, BJHS & EDS Type III)
- Other Ehlers-Danlos Syndromes
 (Classical EDS, VEDS, etc.)
- · Marfan Syndrome
- · Loeys-Dietz Syndrome
- Osteogenisis Imperfecta (OI)
- · Down Syndrome
- Lots of overlaps of signs &
 Symptoms!



I have EDS how

- Remain as active as possible
- Focus on what you can control vs. what you cant.
- Overall health & wellness is much more than what you eat & exercise – you must also find ways to get adequate sleep, rest & pace yourself (I'm terrible at this)
- The past is the past don't dwell on it. Focus on the present & the future.
- Be mindful of online behaviors & how they affect you psychologically, emotionally & physically

Don't bring up the past of a person who is trying to improve their future.

www.LIVELIFEHAPPY.com

I have EDS, now what? (cont)

- Watch-out of hearsay and hysteria. Focus on the facts as we know them up to this point.
- Don't Look to collect labels and other diagnosis. (I.e.
 Deal with issues as they come vs. look to see if you
 have "it" too.)
- Find ways to help yourself vs. depending too much on healthcare providers for pain management & other symptoms (I.e. always have to go to massage therapist for muscle pain. Try foam roller and learning selfmassage at home)
- Give healthcare a break don't waste energy of what they "should know" and "should be doing." Focus on what YOU can do. You are your own best advocate & partner with your docs in your healthcare.
- Consider medical crisis counseling or a health-coach
 if really struggling



When "I" is replaced by 'we' even 'illness' turns into 'wellness'

Some additional thoughts

"... the best way to manage EDS and joint hypermobility is through a consistent and dedicated exercise regime. Be it closed chain exercises to improve balance and proprioception. Or exercises designed to get stronger. Or core work, posture and muscle control. In whatever form you exercise, the important thing was to improve the way you move, and to move and use your body as much as you can."



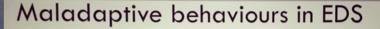
"I've been rolling this thing on my abs for a month, and I don't see one bit of difference."

Additional thoughts (cont)

So, how do we stay active, when so many of us feel that we need to avoid activity because it causes us more pain, or because we have gotten hurt previously? And, what about the post-exercise fatigue so many feel?

"There was a recognition that in order to become active, people with hypermobility need to challenge the fear-avoidance cycle that arises from having injury and pain."

My goal - Focus on doing something for "just 5 minutes" a day.



Pain catastrophizing

- Fear of Pain
- Kinesophobia: some evidence that it does not correlate with actual intensity of pain or quality of life scores (Biomed Res Int. 2013; Jul 2014) and it has been proposed that it is a major prognostic determinant in EDS (Curr Pain Headache Rep 2009, 13:593-600)

@SFHEDS @EdsPatientSol #Just5Minutes has taken off in my house! all my kids do 5mins of Physio every day and if they feel great carry on

Lalest into & research



"If the effects of exercise could be patented by a pharmaceutical company, it would be widely prescribed" #EDSUKconference #EhlersDanlos

5/9/15, 4:12 AM



EDS UK @ehlersdanlosuk

"The biggest gap is our knowledge in the genetics of #ehlersdanlos is within the hypermobility type" #EDSUKconference



EDS UK @ehlersdanlosuk

1. We see a very wide difference in the manifestations of men & women EDS patients. Dr. Francomano thinks this may be due to hormones & men



EDS UK @ehlersdanlosuk

"Look after your neck in #EDS. No smoking, avoidance of trauma, good posture, see a good physiotherapist to strengthen." #EDSUKconference

6/13/15, 6:46 AM



EDS UK @ehlersdanlosuk

"#ehlersdanlos is the most complicated condition in medicine, so many overlaps" #EDSUKconference



EDS UK @ehlersdanlosuk

For every element of connective tissue there are genes that encode those elements. For each of those genes there is an associated disorder.



- Ehlers-Danlos National Foundation (www.ednf.org)

- Ehlers-Danlos Support UK (<u>www.ehlers-</u> <u>danlos.org</u>)
- Hypermobility Syndromes Association UK (www.hypermobility.org)
- EDS Awareness' free webinars
- (www.chronicpainpartners.com
- Ehlers-Danlos Today (www.edstoday.com)
- A few links from my website:

- "I have EDS, now what?" - <u>http://</u> strengthflexibilityhealtheds.com/2015/06/04/ihave-eds-now-what-eds-info-links-resources/

- EDS Exercise & PT resources - <u>http://</u> strengthflexibilityhealtheds.com/2015/04/07/ answers-to-questions-about-exercise-and-eds-

Don't give up the beginning is always the hardest.

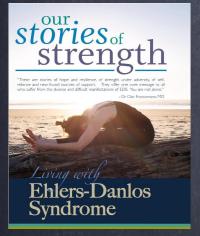
arevolution.tum51r.com

How to find me

Website & blog: www.sfheds.com

Twitter - @EDSPatientSol & @SFHEDS

Facebook - https://www.facebook.com/EdsSolutionsLlc & https://www.facebook.com/ strengthflexibilityhealtheds



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Join the Our Stories of Strength movement: Twitter @strengthstories Facebook: https://www.facebook.com/ OurStoriesOfStrength www.ourstoriesofstrength.com

Stay updated on upcoming seminars, find helpful resources, and articles on physical therapy, exercise & other related health information. www.movingnaturallywithhypermobility.com

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IBROMYALGIA

ANEURYSMS

Migraines

Anxiety & Depressi

Living with chronic pain is one of the hardest things that many of us have to endure on a daily basis. Living

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Body POTS

Ivpermobility

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Syndrome/EDS are gaining a solid understanding of how hypermobility can effect the entire body, learning how to move and exercise properly, making healthy lifestyle changes, and finding a strong, positive support system.

Please see resources below for living well with hypermobility.

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affects of joint hypermobility, commonly diagnosed as Ehlers-Danlos Syndrome (EDS), is even more

challenging. Some of the best approaches for

managing chronic pain due to Hypermobility



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Problems

Dental

PATIENT SOLUTIONS

Stay updated on upcoming

seminars, find helpful resources, and articles on physical therapy, exercise & other related health information. www.movingnaturallywithhypermobility.com

strength/*flexibility*/health/EDS

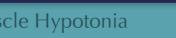
Health Educator & Life Coach. Speaker & Writer. Info, resources & wellness coaching for individuals, families, and the practitioners who treat them. Website & blog: www.sfheds.com Twitter - @EDSPatientSol & @SFHEDS

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SLOW WOUND HEALING

Muscle Hypotonia



E

Hernias

Arthritis

CHRONIC JOINT & LIMB PAIN

Scars (ROID



Bruises Easily

Our Stories of Strength - Living with Ehlers-Danlos Syndrome - Debut anthology by Our SOS Media, LLC. Over 50 stories from people living with Ehlers-Danlos Syndrome. Included in the anthology are stories of adversity, misdiagnosis, heartbreak, and devastation turned to strength, determination, and perseverance. Join the *Our Stories of Strength* movement:

Twitter @strengthstories Facebook: https://www.facebook.com/ OurStoriesOfStrength www.ourstoriesofstrength.com

Bladder

Issues



Cervical Instability