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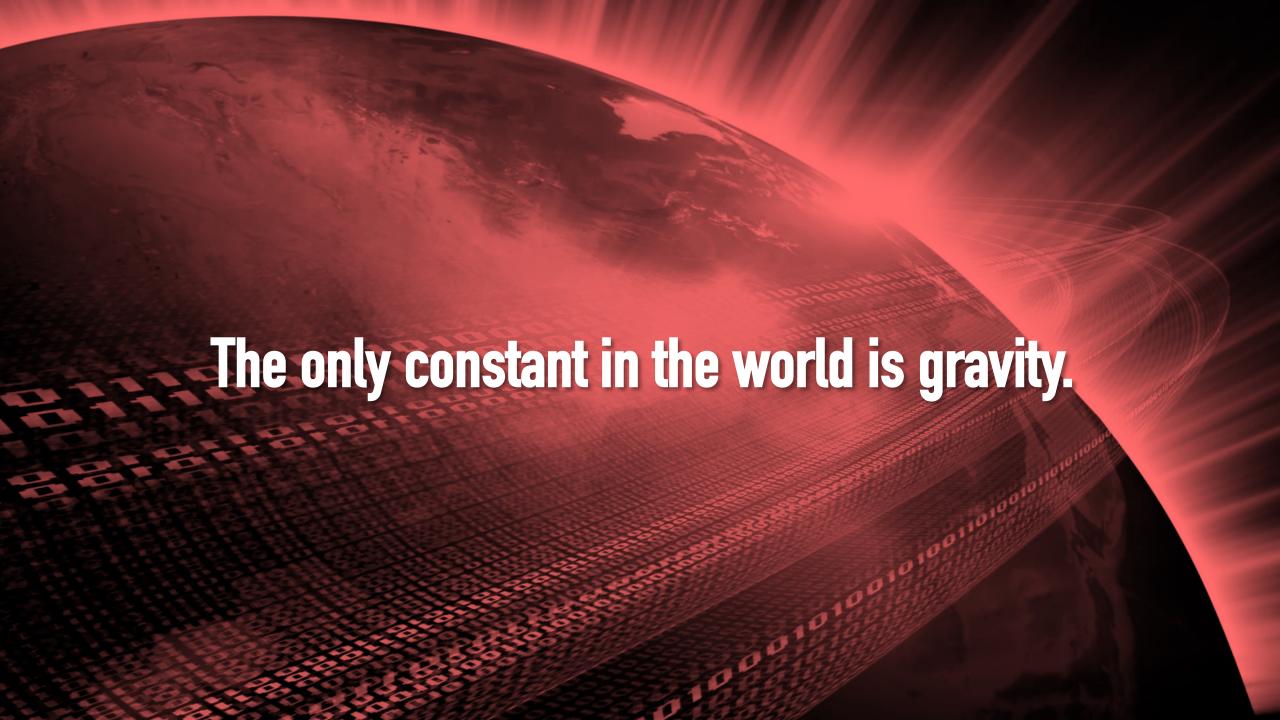
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To control standing posture we need to push up into gravity.

This weight on our shoulders is like a "proprioceptive hug" to our skin & fascia and creates body awareness





Exteroception & Body Schema

Weight

Wrist weights

Sensory Sticks

Tactile

Naboso

Vibration

Dry brushing

Compression

Apparel

K-tape

Athletic braces





Body perception is needed for balance & body control



How does sensory input shape balance and stability?







The Visual System

Central and peripheral input system

Typically the dominant input system in an unstable environment (SLS)

Most balance training exercises simply re-enforce this increased visual dependence





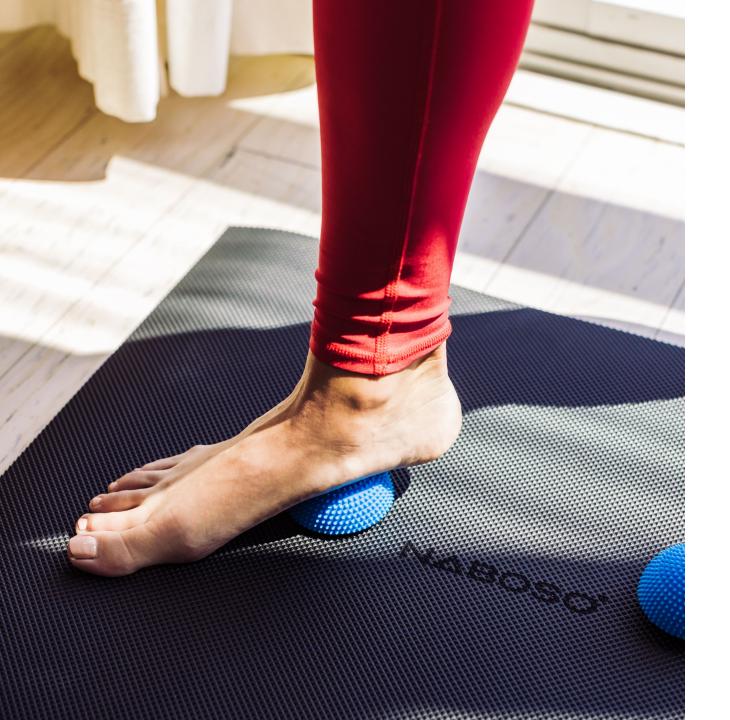
The Vestibular System

The vestibular system is one of the nervous system's most important tools in controlling posture and our relationship with gravity

Intimately connected to the oculomotor nuclei to create gaze stability while our head is moving.

The vestibular system informs the respiratory diaphragm (vestibulorespiratory reflexes)





Proprioception

Muscle Spindles & Golgi Tendon Organs

Joint Position Sense

Join Centration

Kinesthetic Awareness

Velocity & Force



Mechanoception

SAI - Merkel Disc. (two point discrimination)

SAII - Ruffini Endings (skin stretch)

FAI - Meisner Corpuscles (low freq vibration)

FAII - Pacinian Corpuscles (high freq vibration)



Naboso as an SA1 mechnoceptive stimulation tool

Spatial acuity of Merkel Disc is 1mm Texture height and durometer designed to stimulate dermal layer of foot



Multisensory integration refers to the process by which the nervous system integrates information from different perceiving processes



Research now demonstrates that neuronal sensory integration happens much earlier in the sensory processing pathway and is optimized or heightened with multi-sensory stimulation, or what we call **sensory stacking**



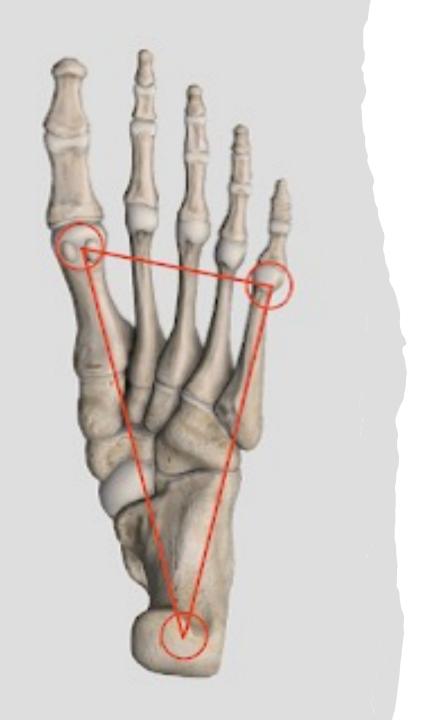






Step 1- Set your base

NABOSOMINDEODY



Finding a Plantigrade Foot

- 1. Foot Tripod
- 2. Toes Spread and Long
- 3. Neutral Arches
- 4. Toe Tension and Reverse Windlass













Deep Front Line

FHL, FDL, Posterior Tibialis

Adductors which insert on Ischiopubic Ramus

Continuous with Obturator Fascia to Pelvic Floor

Continues up the Psoas and QL to the Diaphragm



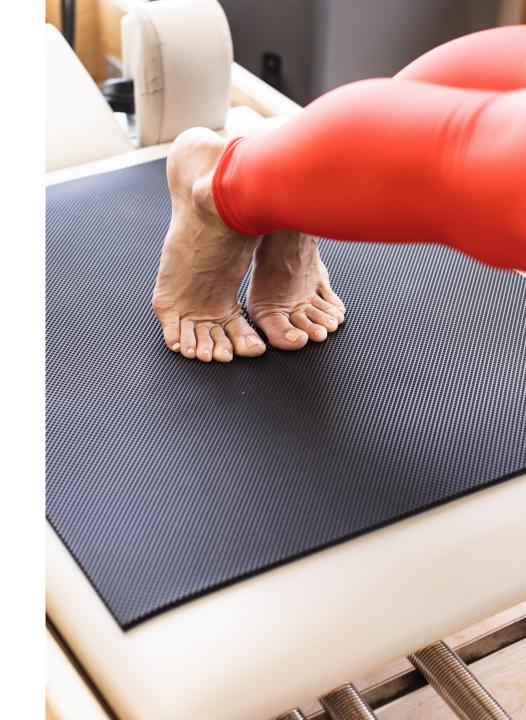
Balance Hacks or Sensory Stacks

Hack #1 - Visual Spotting

Hack #2 - Tactile Stimulation

Hack #3 - Fascial Tension

Hack #4 - Breath Rhythm



Challenge our base

Kinesis Board

Eye Stimulation

Vestibular Stimulation

Peripheral Vision Training

Dual Tasking



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