

Sensory Integration Therapeutic Practices: Informed by Deep Pressure Seeking.

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Context



Sensory Integration

The organization of sensory input for use.



Sensory Integration



Seven Senses

- Touch (tactile sense)
- Movement (vestibular)
- Body position in space (proprioception)
- Sound (auditory)
- Smell (olfactory)
- Taste (gustatory)
- Sight (vision)

Sensory Integration Dysfunction

“An irregularity or disorder in brain function that makes it difficult to integrate sensory input.”



A.Jean Ayers

Somatosensory System

- Pertaining to the tactile and proprioceptive systems
- Touch sensations, body position & body sensing
- Focus to design garments to address deep pressure seeking

Deep Pressure



Sandwich

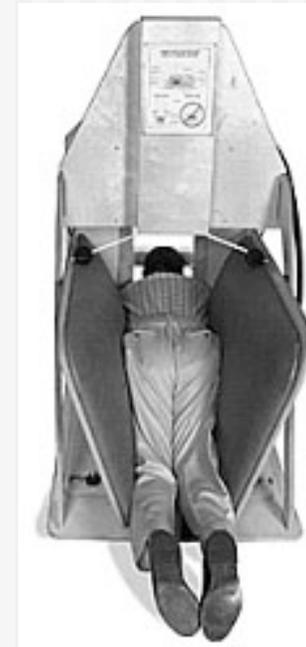


Roll Tunnel



Rompa Roll Tunnel

Squeeze Machine



Temple Grandin.

Rolling Squeezer



Double Squeezer

Weighted Garments



Adaptive Child/ especialneeds

Inflatable Garments



Squeasewear

Customise a Garment?

- Textile tension rather than weight?
- Self administered deep pressure?

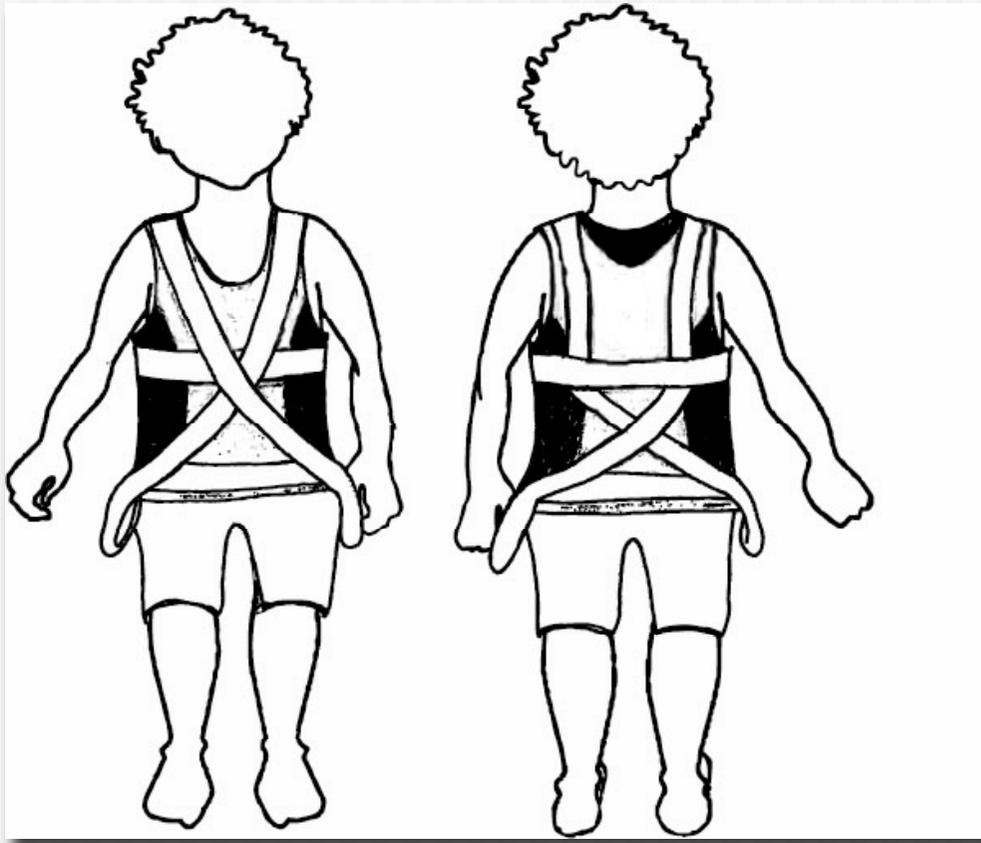


Sports Compression Garments



Adidas Compression Wear

Hugging Garment



Prototype

Results



Bumblebee Transformer Toy

Image References

- Image slide 2
<http://nz.bing.com/images/search?q=tapemeasures&view=detail&id=F8B8B1FD7ED0F0BCF572534A62DD5712D91969C3&first=0&FORM=IDFRIR>
- Image slide 3
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- Image Slide 6 <http://www.sparkle.usu.edu/Topics/images/hug.jpg>
- Image slide 8 http://www.bbc.co.uk/theoneshow/gallery/images/user_submitted/waste_bigbox_450x340.jpg
- Image slide 9 <http://mit.zenfs.com/210/2011/06/AP110630032768.jpg>
- Image slide 10 <http://media.rompa.com/catalog/product/cache/1/image/9df78eab33525d08d6e5fb8d27136e95/1/2/12021.jpg>
- Images Slide 11 <http://images.google.com/imgres?imgurl=http://www.autism-help.org/images-autism/hug-machine-grandin.jpg&imgrefurl=http://www.autism-help.org/points-grandin-hug-machine.htm&h=215&w=255&sz=25&hl=en&start=7&tbnid=AvjQFqBPr3Tc1M:&tbnh=94&tbnw=111&prev=/images%3Fq%3Dtemple%2Bgrandin%2Bsqueeze%2Bmachine%26gbv%3D2%26hl%3Den%26sa%3DG>
- <http://wwautism-help.org/images-autism/hug-machine-grandin.jpg>
- Image slide 12 <http://www.flaghouse.com/Double-Squeezer-with-FREE-Large-Joint-Co-Motion-item-40186R>
- Images slide 13 <http://www.adaptivechild.com>
- <http://www.especialneeds.com/images/C/weightedVests-cat.jpg>
- Image slide 12 <http://www.yhwszz.com/UploadFile/200710311483874023.jpg>
- Image slide 13 http://www.squeasewear.nl/site/sites/default/files/imagecache/335x400/product/sjanne_dpv1_2.jpg
- Image slide 14 Authors
- Image slide 15 http://2.bp.blogspot.com/_Z4-l2c8peEQ/RrSttSfWlQI/AAAAAAAAAJgg/dvuTsm_hGag/s400/BUMBLEBEE.jpg
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