



A safe technology for musculoskeletal rehabilitation.

- Marodyne LiV device is a low intensity vibration device.
- The product emits a safe¹ and gentle acceleration to the user standing on the device.
- Low intensity vibration in short periods each day, influences fat and bone phenotypes thus offsetting aging related muscular skeletal tissue decline²

Product uses:

As part of orthopedic rehabilitation protocols³

As part of a balance and fall prevention program^{4,5}

Can be aligned with the Meeks Method⁶



References

1. Muir J, Kiel DP, Rubin CT. Safety and severity of accelerations delivered from whole body vibration exercise devices to standing adults, JSMS 16 (2013) 526-531
2. Pagnotti GM, Styner M, Uzer G, Patel VS, Wright LE, Ness KK, Guise TA, Rubin J, Rubin CT. Combatting osteoporosis and obesity with exercise: leveraging cell mechanosensitivity, Nat Rev Endocrinol. 2019 Jun;15(6):339-355. doi: 10.1038/s41574-019-0170-1.
3. Leung KS, Cheung WH, Mok HW, Liu PL, Chan SY, Mak WY. Low-magnitude high-frequency vibration enhances fracture healing and rehabilitation in elderly with intertrochanteric fractures. 2011 Annual Meeting of the Orthopaedic Research Society. Long Beach, CA, USA. Jan 13-16, 2011. Podium presentation #030.
4. Muir J, Judex S, Qin XY, Rubin C. Postural instability caused by extended bed rest is alleviated by brief daily exposure to low magnitude mechanical signals, Gait & Posture 33 (2011) 429-435
5. Leung KS, Li CY, Tse YK, Choy TK, Leung PC, Hung VWY, Chan SY, Leung AHC, Cheung CH. Effects of 18-month low magnitude high frequency vibration on fall rate and fracture risks in 710 community elderly – a cluster randomized control trial, Osteoporosis Int DOI 10.1007/s00198-014-2693-6 (2014)
6. http://www.sarameekspt.com/meeks_method.asp

Marodyne LiV Product Sheet For Physical Therapists and Rehabilitation Professionals

The Marodyne LiV Device



Each Marodyne LiV device consists of the following components:

- One Marodyne LiV Device
- One Power Supply with Cord
- One Power Cord
- One Owners Manual
- One Carry Bag

Product Features

The acceleration output from the Marodyne LiV device is constant throughout the session of use. The user will likely shift their weight loading and stance during use of the device. This behavior is constantly monitored by the device and it adjusts itself to maintain the 0.4g acceleration.

The device is designed for years of use. It has a metal top and bottom case to withstand the usual daily use of the device. A visual display shows the session time and the position of the user for optimal exposure to LiV during the session. The device can be attached to the electrical supply and maintains a standby mode when it is not in use, so it will not be necessary to turn the device on and off at each session of use.

The device is portable and is supplied with a smart travel bag to enable the user to take their device with them. The electrical requirements for the Marodyne LiV are designed to allow use in a broad number of countries.

Product Technical Specification

Product Weight:	17.8 lbs
Product Dimensions:	
• Height	3 in
• Width	18 in
• Depth	14 in
Low Intensity Vibrations:	approx. 30 Hz
Body Acceleration:	+ 0.4 g +/- 20%
Amplitude:	50 – 200 microns

Distributed in United States by
Copa Healthcare LLC

For information

Phone: (954) 870-5287

Email: support@copahealth.us

Marodyne LiV is a trademark of BTT-Health GmbH

Copyright © Copa Healthcare 2019