THERAPEUTIC VIBRATION DEVICE
VIBRATING DEVICE HELPS ICU PATIENTS AVOID ATROPHY AND OTHER RISKS

UNMET NEED
Prolonged bed rest and immobilization can lead to many complications for patients struggling to overcome a critical illness or injury. This can include loss of muscle strength, degenerative joint disease, changes to the soft tissue, and more. Not only do these pose a risk to the patient’s immediate health, but it makes the road to recovery much more difficult.

SOLUTION
To help keep immobile bodies moving, MCRICCC members developed a targeted system to apply vibration to muscle tissue to impulsively activate the muscle.

The device has two entry points at the shoulders and two at the feet. By applying vibrations at both ends of the skeletal system, the system compresses and tightens joints so the vibrations travel through the entire body.

COMPETITIVE ADVANTAGE
This mobile and modular product will only require five to ten minutes of treatment once or twice daily to see the desired effects which are equivalent to moderate exercise. Treatment can occur when the patient is sedated and unconscious.

The average length-of-stay will be shortened, maximizing time spent in the ICU and resulting in a cost-saving benefit for hospitals.

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