Achieve More with Non Invasive VRNT

Mieron’s Virtual Reality NeuroTherapy library is full of experiences for all levels of mobility. Easy to navigate and less than minutes to launch into an interactive therapeutic VR experience. The VRNT system can be utilized on it’s own or with other adaptive equipment including wheelchairs, walkers, gait training, FES bikes & resistance bands to get dynamic treatments.

“Mieron provides our clients a flood of sensory input beyond compare.”

- Jeff Lefkovitz, Founder & Lead Specialist Abilities Recovery Center, Los Angeles

Contact Us

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Transformative Care with Virtual Reality NeuroTherapy

www.mieronvr.com
Presenting due to age, disease or trauma, MIERON can help pediatric and adult patients for SCI, TBI, MS, Cerebral Palsy, and other neurodegenerative and musculoskeletal disorders. MIERON is utilized for in-patient and out-patient treatment for individuals requiring physical therapy for chronic pain, long-term rehabilitation, and associated conditions.

**Multimodal stimuli for immersive treatment.**

**Rehabilitation (PT/OT)**
Select one of over 20 experiences designed for therapeutic application; gamified principles of physical therapy, occupational therapy and activity based training lead to more reps.

**Pain Management**
The transformative effects of VR is clinically proven to reduce the perception of pain by up to 90%, with lasting efficacy outside of the VR session. A non-pharmacological intervention.

**Case Uses**
- Stroke
- Spinal Cord Injury (SCI)
- Traumatic Brain Injury (TBI)
- Parkinson’s Disease
- Multiple Sclerosis
- Cerebral Palsy
- Musculoskeletal Disorders
- Pain Management
- & more

**Our Principles**
With a goal to stimulate the nerve pathways in innovative methods, MIERON’s VRNT exercises are designed to be immersive, safe, and easy to navigate.

Designed with an emphasis on ease-of-use for both the patient and practitioner.

**About Virtual Reality NeuroTherapy**
The Future Of Medical Technology

**Therapeutic Applications**
The MIERON VRNT System is an advanced rehabilitation technology featuring a library of therapeutic experiences designed for all levels of mobility. The VRNT experiences are distinguished by their emphasis on functional movements for upper extremity, lower extremity, trunk stability, balance, gait-training, and pain management.

**A Variety of Conditions**
MIERON is utilized for in-patient and out-patient treatment for individuals presenting due to age, disease or trauma, MIERON can help pediatric and adult patients for SCI, TBI, MS, Cerebral Palsy, and other neurodegenerative and musculoskeletal disorders.
Testimonials
Practitioner Toolbox

Don’t just take our word for it! With over 10,000 hours of patient use worldwide, Mieron continues to innovate and enhance the patient & practitioner experience.

VRNT Exercises are designed with a high ease of use, and with an Accessibility First approach for users with limited Range of Motion.

Patients are more motivated to fully participate in their rehab outcomes, and with the added incentive of VR many increase the frequency of their rehab sessions and commit to their homework for outstanding gains.

Increase the motivation to participate with gamification of traditional PT practices. The Mieron library infinitely expands your facility walls into an immersive world.

It does more than pass the time; it’s a more interactive environment and instead of looking at a screen with numbers, you feel like you’re out on an adventure.

Kevin Gnehm
30 Year Old
T7 Complete SCI

Our clients are reporting more sensation in their affected areas when we pair FES with MieronVR.

Chris Smith
Executive Director
Next Step Kansas City

From the minute I put on the Mieron headset I realized this was a game changer for kids and adults in rehab to improve their quality of life.

Brent Poppen
C6 SCI, 2 Sport Paralympic Medalist
Valley Children’s Hospital, Rehabilitation Counselor
Chronic pain, spasticity and impaired mobility are often lifetime conditions that require an engaging physical therapy practice to maintain functional movement. As a clinically validated tool, VRNT can significantly reduce the perception of pain with lasting effects following the VR session.

**Decrease Perception of Pain**

With natural body responses in the VR environment, and safety features built into monitor real-world environments. Users enter the immersive VRNT environment and enjoy gamification of gold standard PT/OT techniques. Complete PNF Patterns, Lateral Reach, Trunk Twists, and Balancing Movements to Achieve More.

**Increase Reps, Intensity & Endurance**

With fun and immersive experiences outsmarting pain & fatigue.

End of experience analytics including reps & output can be securely tracked for charting progress and compliance.

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**Innovative Systems**

**With Simplistic Hardware & Software**

New technology can seem intimidating, but we have put years of work and research to make the most user-friendly software for both time-pressed practitioners and limited range of motion patients. Setup the wireless system and calibrate with the click of one button. Navigate to the desired VRNT experience and click “Start” - audio and visual cues keep the session on track.

**Training Modules**

The VRNT system comes with all hardware, software and training included. Setup in under 2 minutes.

**Reference Guides**

MIEKON includes custom reference guides, so that you can create a treatment plan before entering VR.

**Analytics & Reports**

End of experience analytics including reps & output can be securely tracked for charting progress and compliance.
Case Use
Gait Training (SCI)

The Mieron library includes a variety of real-life and animated trails complete with immersive 360 audio and visual stimuli.

Utilize with lite-gait systems, parallel bars, assistive walking devices, or simply on its own. In harnessed overground training, patients often exhibit more natural body movements and balance.

Go for a walk on the beach, or take a hike in the woods! Places that may not be wheelchair accessible are now readily available in-clinic. Expand beyond the walls of your facility with immersive new trails.

Operate with less emphasis on coordinating opposing body movements, and with more natural neuroplasticity.

Engaging weight bearing with reduced pain perception.

Improve Balance & Weight Shifting

Active New Nerve Pathways
Suspend Disbelief and Imagine in New Ways

Go for a walk on the beach, or take a hike in the woods! Places that may not be wheelchair accessible are now readily available in-clinic. Expand beyond the walls of your facility with immersive new trails.

VRNT modules including gait training have cross functionality, and can be administered for mental wellness breaks. Treat anxiety and depression with a stroll through the park in VR from the comfort of your seat or bed.

a more natural reciprocal arm motion when utilizing Mieron.

Amanda Boxtel
CEO, Bridging Bionics Foundation
2018 CNN Hero of the Year
Work on pattern recognition, recall, completing tasks and gross and fine motor skills in gamified VR therapy modules designed with photosensitivities in mind.

When balance and coordination are disrupted due to stroke or brain injury, preventative care to reduce the risk of falling is essential. VR is shown to help reduce those risks and improve gait & motor functions.

Create patterns, perform sorting, and incorporate gross and fine motor skills during VRNT sessions.

Incorporate speech therapy during co-viewing so that you can make breakthroughs and facilitate speech output. Improve memory and social language functions in safe, controlled environments.

When your motions are tracked, but your eyes no longer see your body in physical space, self imposed limitations are fundamentally disrupted.

Achieve More Range of Motion

Exceed Self Imposed Limitations
Build Confidence and Endurance for ROM

I moved in ways I didn’t think were physically possible after my stroke.

Mieron Rehab Pro User
57 yo Male Stroke Survivor

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