

# Advancing Neurologic Rehabilitation: First-Year Outcomes and Insights From VBRII's Exoskeleton Program



WANDERCRAFT



## The Journey to 1 Million Steps

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### About VBRII



Led by **Franco Molteni, MD**, Neurorehabilitation specialist, opened its first robotic room in 2004

Innovative interdisciplinary approach **leveraging advanced technology** to drive clinical outcomes

Conducted research to improve current literature available on exoskeleton-assisted walking and create a template for **cost-effective care**

### Atalante X by Wandercraft

**Self-balancing robotic exoskeleton** with a powered dynamic ankle enabling a physiological gait pattern and use without an assistive device. Additional features to modulate therapeutic benefit:

- Variable assistance, able to be adjusted bilaterally or unilaterally
- Multidirectional stepping (forward/backward/sideways)
- Active balance mode enabling squats and reaching

### Program Design

**Pathologies:** SCI, MS, CVA, PD, ALS, HSP

Muscle and neuroplasticity activation with the described exoskeleton  
**2-3 sessions / week**

Targeted session of strength or balance  
**3-4 sessions / week**

Bedside mobilization and stretching  
**2-3 sessions / week**

### Results & Steps to Ensure Success

**750 sessions**  
**+ 60 patients**  
**1.02 million steps**

**+ 1 million steps**  
Walked by patients in less than a year

**29 min**  
Average time spent in verticalized position (77%)

**1 170**  
Average number of steps per session



#### Support and enable internal champions

Implement champions to provide support and encourage use



#### Get the Team Excited!

Celebrate the arrival of your technology and ensure attendance in trainings



#### Leverage provider's community & support

Engage with customer support and customer care representative



#### Have some fun!

Try naming your device, engaging patients, and hosting regular events