

CAPABILITY STATEMENT



HDmedical.org

Marie T. Pavini MD, FCCM, FCCP

mpavini@HDmedical.org

(802) 821-1002

DelTrain™ VR: VIRTUAL REALITY DELIRIUM STAFF EDUCATION

Critical Care physician Marie T. Pavini founded HDmedical with the EXERSIDES® REFRAINT®, a safe mobilizing alternative to wrist/mitt restraints for patients with confusion, cognitive difficulties, or PTS. During the adoption phase of this device which is now within the VA system, it became evident that there was a lack of understanding of the ill effects of medical treatment when a patient appeared to be comfortably still and asleep, as with restraint and sedation. One of the greatest of these complications is delirium, which can uncover dementia or lead to new or worsened dementia as well as both exacerbate and lead to post-traumatic stress.

The DelTrain™ VR Delirium education app places the User in the body of the patient experiencing delirium, and then into the body of the Caregiver learning how to recognize and prevent delirium. This is done in such a way as to impart a visceral understanding and memory that is not forgotten or dismissed, and is very well-received by trainees. The app reviews the standard scoring system for delirium and comes with an Instructor Guide and Student Workbook. The Delirium education module is CEU-ready and can be used in classroom format or individually on an 'as able' basis for convenience.

DUNS
080649279

CAGE
7V3G0

CORE COMPETENCIES

VR Delirium Education Adult and Pediatric Applications

- Nurses
- Doctors
- Physical Therapists
- Occupational Therapists
- Speech Therapists
- Respiratory Therapists
- Child Life Therapists
- Students
- Administrators
- Home Health Aids
- LNAs/CNAs
- Sitters
- Nursing Home staff
- Hospice staff

DIFFERENTIATORS

- Fun/engaging
- Memorable/Visceral
- Casts to a screen for classroom use
- Individual use for anytime education
- Continuing Education Credit ready
- Instructors Guide
- Student Workbook

NAICS
541519
611310
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WOSB



WOSB CERTIFIED

PAST PERFORMANCE

- 2016: \$25k NIH Rehabilitation sub-award grant for prototype R&D
- 2017: Pilot Study: Single-center clinical trial
- 2018-2022: \$1.86M NIH award for multi-site Phase I+II clinical trials
- 2019: FDA registered. ISO-13485 compliance. Allowance of Patents.
- 2020: \$375k NIH Administrative Supplement award - manufacturing
- 2021: \$3.42M NIH CRP award for commercialization
- 2023: Launch - Robley Rex VA hospital; Mayo Clinic; VSU Nursing School

Hubzone



HUBZONE CERTIFIED