



# ADVANCED REHABILITATION TECHNOLOGY (ART)



**PAM HEALTH REHABILITATION HOSPITAL OF OVERLAND PARK**  
THE UNIVERSITY OF KANSAS HOSPITAL PARTNERSHIP



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Overland Park, KS 66207

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Admissions: 913-967-5222

[www.PAMHealth.com](http://www.PAMHealth.com)



## LEARN MORE

To learn more about whether you would benefit from ART therapy as part of your treatment plan, contact our Admissions Team. They can also discuss specifics regarding the inpatient research study, requirements, and responsibilities.

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## PAM Health Rehabilitation Hospital of Overland Park is the site of a groundbreaking new research study – Advanced Rehabilitation Technology (ART).

The first of its kind in the United States, this study joins global rehabilitative technology leaders Tyromotion, Ekso Bionics, THERA-Trainer, and Fourier Intelligence, with The University of Kansas, Blue Cross/Blue Shield Kansas City, and IISART (International Industry Society in Advanced Rehabilitation Technology) with PAM Health. The goal of the study is to demonstrate the effectiveness of these emerging technologies in patient care. The 2-year ART research study will initially focus on inpatient outcomes, although the devices will be available for both inpatient and outpatient care (when available and appropriate). If you are interested in participating in the study, talk to Admissions to find out if you are eligible.



## ADVANCED REHABILITATION THERAPY EQUIPMENT

- EksoNR robotic exoskeleton (pre-gait, balance, standing, and walking)
- Tyromotion AMADEO® (hand and finger)
- Tyromotion DIEGO® VR (arm/shoulder)
- Tyromotion MYRO® (motor skills and cognitive skills)
- THERA-Trainer tigo® (legs and upper body)
- THERA-Trainer balo™ (standing and balance)
- Fourier Intelligence PelmaMotus™ (foot plantar pressure, balance, and pressure)
- Fourier Intelligence ArmMotus™ EMU (3D upper limb)

Various members of our therapy team, including occupational therapists, physical therapists, speech-language pathologists, and certified hand therapists, have been trained on the devices, as each is designed to assist with a specific type of rehab.

As highly specialized therapeutic tools, ART devices are not a part of all treatment plans. The decision to incorporate ART therapy into a care plan is based upon multiple factors including diagnosis, therapy goals, patient's level of function, and more.

## Common Diagnoses

- Stroke
- Traumatic brain injury
- Major multiple trauma
- Spinal cord injury
- Anoxic brain injury
- Crush injury
- Parkinson's Disease
- Cerebral Palsy
- Multiple Sclerosis

