

Innovating Musculoskeletal Digital Healthcare System

ANAPA Solution

**More Precise Treatment,
Faster Recovery.**

ANAPA, an integrated AI solution
connecting the entire musculoskeletal care pathway
into one continuous care cycle.

MEASURE **01**



ANAPA PS

Hospital Functional
Assessment App

Tablet
FDA, CE MDR in Progress

REHAB **02**



ANAPA ME

Patient Home
Rehabilitation App

Mobile
DTx in Progress

PORTAL **03**



ANAPA Hub

Integrated Clinician
Web Portal

Web Portal
EMR Integration

- ANAPA is an integrated AI solution that connects assessment, rehabilitation, and recovery management into one continuous musculoskeletal care pathway. •

The Missing Link in MSK Rehab:

Continuous Monitoring and Objective Feedback

Musculoskeletal disorders affect one in five people worldwide, yet there is still no specialized solution to systematically monitor and objectively evaluate post-operative rehabilitation.



Am I doing this exercise correctly?

I'm doing the exercises, but are they actually helping my recovery?

I'll skip today and make up for it tomorrow...

How much am I actually improving?

A 3-Minute Clinic Visit... What Happens Next?

Is my patient performing the exercises correctly at home?

The patient says they're exercising. why is recovery still slow?

Can I show recovery progress with objective data?

How can we manage the quality of rehab?

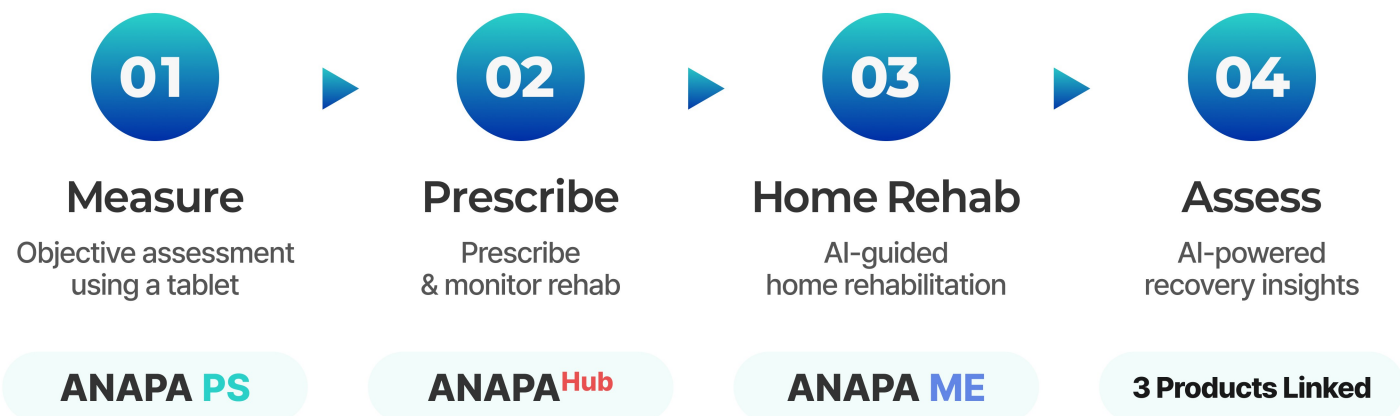


The ANAPA Solution **bridges the care gap**,
creating a care environment for
more precise treatment and **faster recovery**.

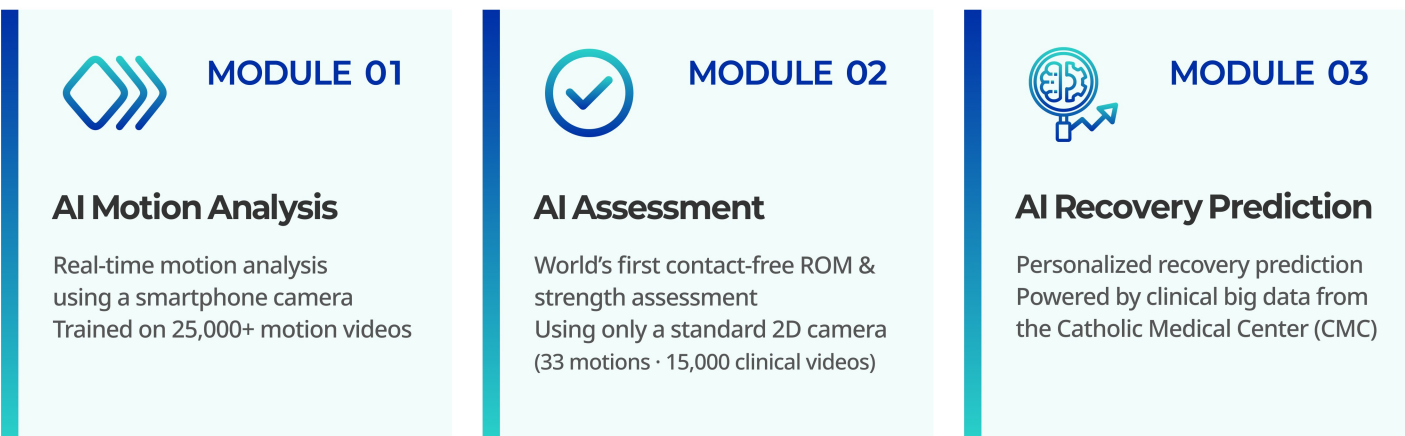
Measure • Rehab • Manage —

One Integrated AI Solution for the Entire Musculoskeletal Care Pathway

ANAPA is an integrated AI solution that improves clinical efficiency for healthcare providers while increasing patient adherence to rehabilitation. Three integrated products operate seamlessly on a unified AI data engine.



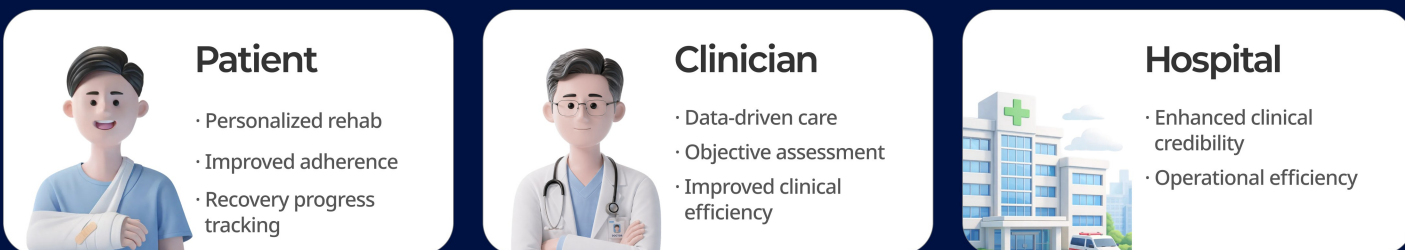
Core AI Engine | 3 Key Modules



- FHIR-based architecture and microservices (MSA) for scalability and interoperability
- EMR integration planned for 2027 to accelerate adoption across Korean healthcare providers

Win-Win Business Model

An AI-powered healthcare ecosystem benefiting patients, clinicians, and hospitals



ANAPA PS Clinician Measurement App



The world's first contact-free musculoskeletal assessment system using only a standard 2D camera—no sensors, wearables, or dedicated hardware.

- * Shoulder · Hand · Hip · Knee · Ankle · Grip Strength · Gait
- * 32 Questionnaires · 28 ROM Assessments · 18 Strength Assessments

Core Features



ROM Measurement

- 3D joint ROM measurement using a standard 2D camera
- Expanded coverage across major joints (Shoulder-Elbow-Wrist-Hip-Knee-Ankle-Spine)



Muscle Strength Assessment

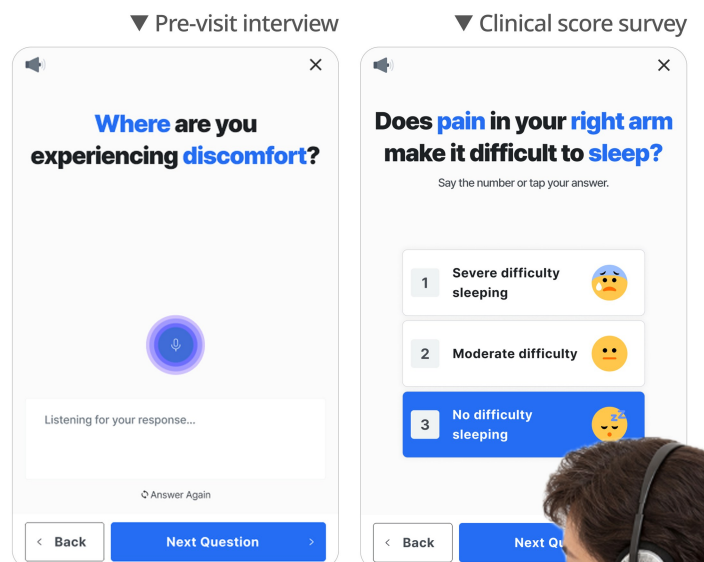
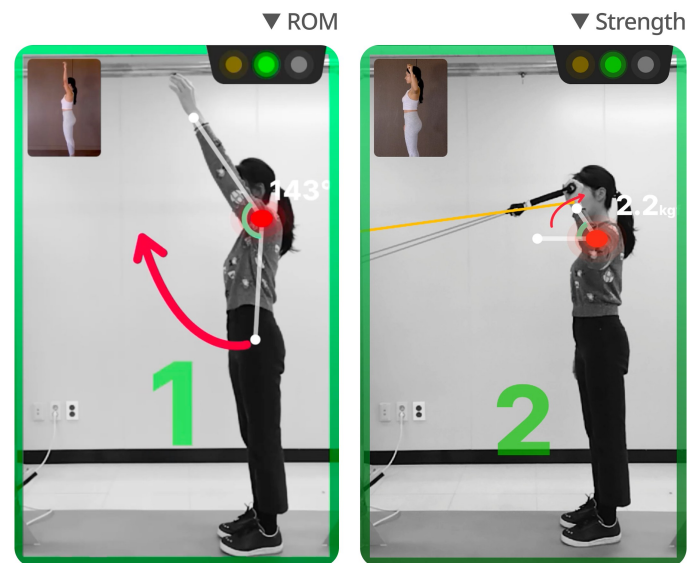
World's 1st

- Objective muscle strength assessment using only a standard 2D camera
 - Quantitative measurement without sensors or dedicated hardware
- World's first patented technology for sensor-free muscle strength assessment using a 2D camera



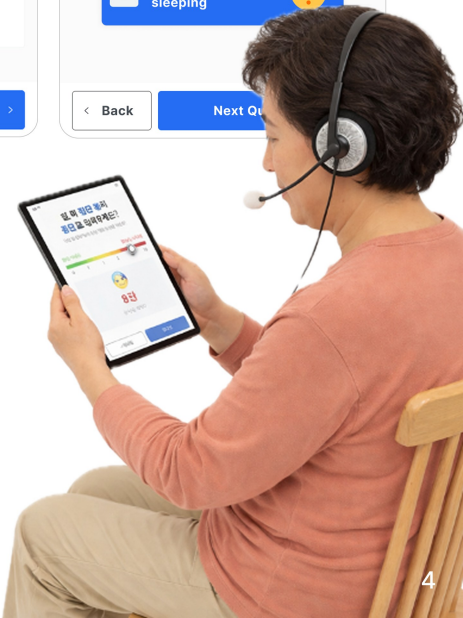
AI Voice Interview

- AI-powered voice interview for patients
- Automatic generation of EMR SOAP notes

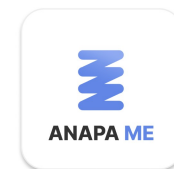


Certification & Deployment

MFDS Certification	Digital Medical Device Certified
Clinical Evaluation	21 hospitals (14 tertiary)
Reimbursement	NECA nHTA assessment underway



ANAPA ME Patient Rehab App



Accurate home rehabilitation using just a smartphone

* Supports shoulder, elbow, hand, hip, knee, ankle, and more

EASY



Start rehabilitation with just a smartphone—anyone, anywhere.

Accurate Assessment



Precise motion analysis with real-time AI coaching and feedback

PERSONALIZED



Personalized rehabilitation protocols powered by Catholic Medical Center (CMC) clinical big data

Core Features



Real-time AI Rehab Guide

- Real-time analysis of exercise posture and repetitions
- Instant AI coaching and voice feedback for every movement



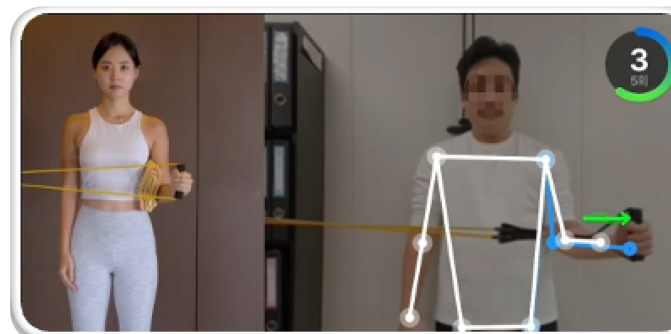
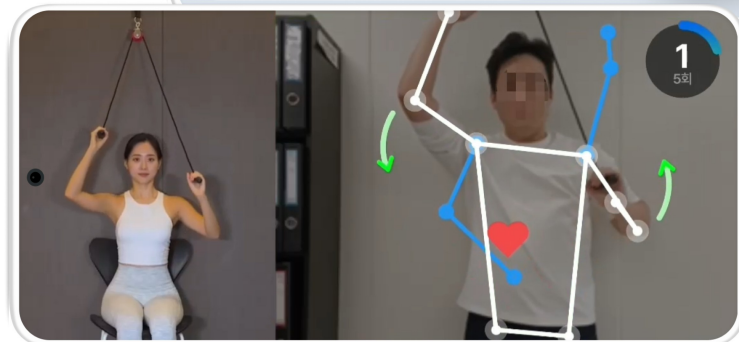
DTx Registration

- Exploratory clinical trial completed for frozen shoulder and rotator cuff repair
- Pivotal clinical trial planned for Q2 2026
- MFDS DTx approval and reimbursement targeted for 2027



High-Adherence System

- Exploratory Clinical Trial Completed (2025)
- Pivotal Clinical Trial Underway (Q2 2026)
- MFDS DTx Approval & Reimbursement Targeted (2027)



DTx Roadmap | Roadmap to Korea's First Digital Therapeutic for Postoperative Musculoskeletal Rehabilitation

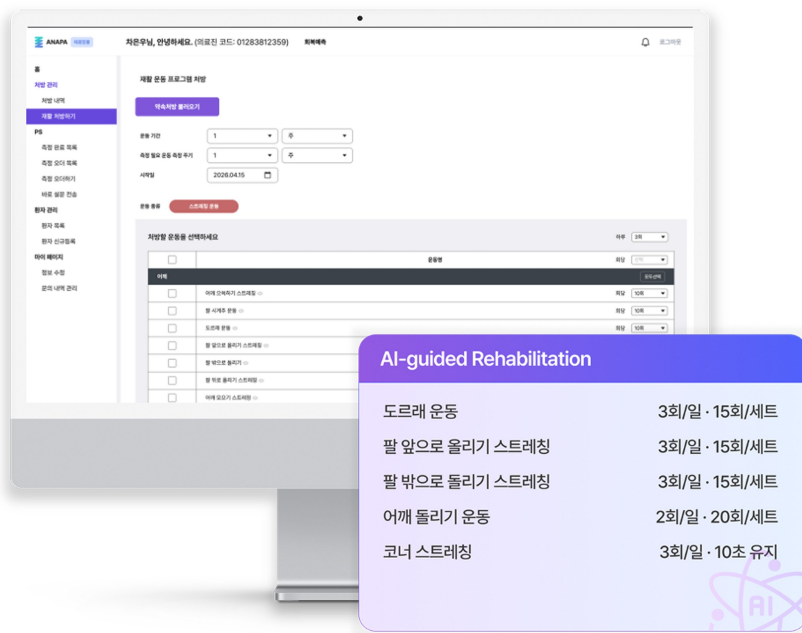
2025.11 Exploratory Clinical Trial Completed — 2026.Q3 Pivotal Clinical Trial Underway — 2027 NECA nHTA Approval

ANAPA Hub Clinician Web Portal



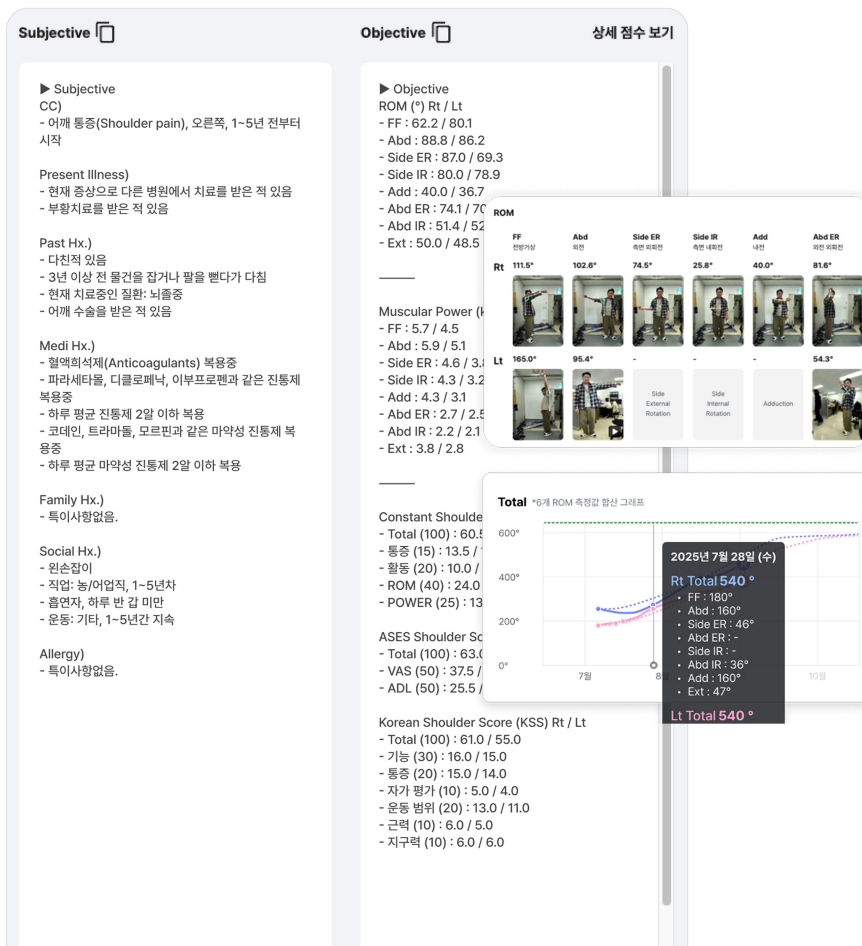
A musculoskeletal data hub that unifies all patient data to provide comprehensive patient insights and AI-powered recovery prediction

* Questionnaires + ROM + Strength → Scores & EMR SOAP Notes



Key Functions

- Rehabilitation Monitoring**
 Monitor rehabilitation adherence and exercise progress
- Clinical Score Management**
 Automatic generation of clinical scores from AI voice interviews
- AI Recovery Prediction**
 Personalized recovery trajectories powered by CMC clinical big data
- AI Rehab Prescription**
 AI recommends personalized rehabilitation programs based on the predicted recovery trajectory



Architecture

*EMR integration with major hospitals is underway.

- FHIR**
 HL7 FHIR-based architecture for seamless EMR interoperability
- MSA**
 Microservices architecture for flexible scalability and customization
- REST API**
 API-based integration with CDW, EMR, and PACS
- Security**
 Privacy-by-design architecture for secure medical data

Clinical • Regulatory • IP Portfolio

Exploratory clinical trial completed.

Multicenter pivotal clinical trial, MFDS approval, and NECA nHTA evaluation underway.

Clinical Evidence

- Nov 2025 | Exploratory clinical trial completed (Frozen Shoulder & Rotator Cuff Repair)
- Q3 2026 | Multicenter pivotal clinical trial initiated (12 university hospitals)
- NPJ Digital Medicine (2026) | Under revision
- NECA nHTA evaluation underway for ROM and muscle strength assessment
- ANAPA PS clinical reliability: ROM ICC 0.99 · Strength ICC 0.97 (CiOS, 2026)

Regulatory & IP



KGMP Certified

Sep 2024



Venture Business
Certified

Nov 2024



Digital Medical Device
Manufacturing
License

Oct 2025



Digital Medical Device
Certification

(ANAPA PS Lite)

Oct 2025



Patents

KR 13 · PCT 7

Expansion Roadmap



ANAPA RECOVERA

- Smartphone-scanned, 3D-printed custom orthosis
- Medical device registration



Wearable Rehab Robot

- Compact wearable rehabilitation robot
- Supports patients unable to perform self-rehabilitation
- Strategic partnership with a robotics startup



AI Hands-free Arthroscope

- Robotic-arm flexible arthroscope
- Automatic surgical instrument tracking
- R&D for AI-assisted arthroscopic surgery
- Strategic partnership with an arthroscopy manufacturer

An AI MSK Data Engine Company by Surgeons and AI Experts

I finally trust my recovery.

Rehab is no longer guesswork—I know I'm doing it right.

The unseen parts of recovery are now measurable.

Rehab is no longer guesswork
— I know I'm doing it right.



OrthoCare Co., Ltd.

Founded	Apr 2024
CEO	Jongho Kim, MD, PhD Orthopedic Surgeon, Yeouido St. Mary's Hospital
HQ	Seoul, Republic of Korea
Business	AI-powered musculoskeletal digital health solutions

Key Recognitions

- 2026 KSDH Academic Grand Prize
- 2026 MFDS Medical Device Expert
- 2025 KSES Young Investigator Award
- 2025 APOA Young Ambassador
- 2023 CMC Innovation Startup Grand Prize

Leadership Team



Jongho Kim
CEO

Orthopedic Surgeon
Yeouido St. Mary's Hospital
PhD in Orthopedics



Sunghyun Cho
CMO

Orthopedic Surgeon
Seoul St. Mary's Hospital
PhD in Orthopedics



Yunkyu Lee
CTO

Professor,
Chung-Ang University
PhD in CS, USC



Hyuntae Shin
COO

Fmr. Startup CEO
Fmr. Naver Dev Lead

OUR VISION

The world's first integrated healthcare ecosystem
connecting the entire musculoskeletal care journey

The ANAPA AI Engine integrates sensing, vision, and voice data collected across the entire care continuum—from prevention and surgery to treatment, rehabilitation, and long-term management.