

## Short profile


Name: QuantumTx

Medical field	Orthopedic surgery
Product type	Medical devices, diagnostics and therapeutics
Growth stage	Positioning for scale
Team	10 people

### Description of product:

QuantumTx uses proprietary Magnetic Mitohormesis (MM) technology to effortlessly activate muscle-mitochondria, effecting natural benefits of exercise without physical strain. Their first product is the BIXEPS Fitness Device (CE Mark Fitness Equipment) which with regular weekly 10-minutes sessions, have helped thousands of seniors to improve in their functional performance.

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### Desired project goal: *Please also elaborate on the primary outcome*

Based on Magnetic Mitohormesis, the company has developed their next Medical Devices (currently under US FDA 510K review) indicated for improving muscle health. The company is looking for partners to validate its utility in enhancing chronic rehabilitation outcomes, as well as managing chronic age-related chronic diseases like Sarcopenia and Osteoarthritis.

The company would like to test-bed the MM medical device in the 2 following areas:

1. MM as a supplementary intervention for the management of mild to moderate knee OA in the community.
2. MM as a supplementary prehabilitation and post-surgery recovery tool for moderate to severe knee OA.

### Desired project type: *Please also elaborate on the following points, if applicable: population, intervention, study design etc.*

Test bedding and validation.