

# Development of exercise workload optimization function and cardiac rehabilitation program medical device (CaTe inc.)



City	Year of Establishment	Founder	Website
Bunkyo-ku, Tokyo	2020	Kazuhiro Terashima	<a href="https://cate.co.jp/">https://cate.co.jp/</a>

Partner VC	Latest round of Fundraising	Valuation
Jafco Group Co., Ltd.	Series A	JPY 1,115 million

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○ Business Plan

Although cardiac rehabilitation has proven therapeutic benefits for patients with cardiac disease, participation in outpatient cardiac rehabilitation in Japan is low, at about 4-8%, resulting in many cardiac patients being repeatedly re-hospitalized, and society as a whole is burdened with medical costs. CaTe aims to create a healthier future by providing appropriate exercise therapy and behavior modification for a variety of patients, including those with cardiac disease, thereby creating an environment in which many patients can receive better medical care at home.

○ Research Outline

This research and development will develop a cardiac rehabilitation program medical device that will realize exercise therapy in a standing position that is both effective and safe by developing an exercise load volume optimization function.

- (1) Development of the function to optimize the amount of exercise load
- (2) Develop a cardiac rehabilitation program medical device equipped with (1)
- (3) Conduct exploratory investigator-initiated trials
- (4) Preparation of a validative clinical trial including protocol development.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Healthcare	STS 2023~2024FY	JPY 191 million	—