

Development of Neuroendovascular Treatment Devices with a Novel Antithrombotic Coating(N.B.Medical Inc.)



City	Year of Establishment	Founder
Chuo-ku, Tokyo	2021	Kazuya Shobayashi

Partner VC	Latest round of Fundraising	Valuation
JAFECO Group Co., Ltd.	Series B'	Non-Disclosure

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○ Business Plan

Currently, there are clinical issues with stents used for the treatment of cerebral aneurysms. In this project, an optimally structured stent will be designed using proprietary computer simulation technology, and a next-generation stent will be developed using an antithrombotic coating developed with AIST. The company aims to obtain regulatory approvals in Japan and overseas. Applications to other diseases will also be considered, with the aim of obtaining regulatory approvals as well.

○ Research Outline

In this research and development project, an antithrombotic-coated stent improved from an existing cerebral aneurysm treatment stent will be developed, and by implementing improved safety during long-term implantation and a thrombus formation suppression function, which are different from conventional products, the project aims to solve issues in the treatment of cerebral aneurysms.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Healthcare	PCA 2026～2027FY	JPY 800 million	Asia, Europe

○International collaborative technology demonstration

- Contract with local partners
- Relationship development with potential local partner

With a view to obtaining regulatory approvals in Asia and Europe, the company will collaborate with local universities and medical institutions to establish internal systems for clinical trials and prepare regulatory applications.