

**Tomoyuki Fujita MD, PhD**

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**Position:** Professor and Chairman

**Director,** Department of Cardiovascular Surgery, Tokyo Medical and Dental University, Japan

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**Education:**

**MD,** Osaka University, 1994

**PhD,** Osaka University, 2012

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**Professional Training:**

1994 Resident. First Department of Surgery and Department of Pediatric Surgery, Osaka University Hospital.

1998 Postdoctoral Research Fellow. Columbia University College of Physicians and Surgeons, Department of Physiology and Surgery New York, USA

2001 Fellow. Dept. of Cardiovascular Surgery, Osaka University, Graduate School of Medicine

2003 Registrar. Green Lane Cardiothoracic Surgical Unit, Auckland City Hospital, Auckland, New Zealand

2005 Consultant surgeon, Dept. of Cardiovascular Surgery, Osaka National Hospital

2007 Assistant Professor. Dept. of Cardiovascular Surgery, Osaka University, Graduate School of Medicine

2009 Consultant Surgeon. Department of Cardiovascular Surgery, National Cerebral and Cardiovascular Center.

2014 Director. Division of Cardiac Surgery, National Cerebral and Cardiovascular Center.

2022 Vice hospital director, National Cerebral and Cardiovascular Center.

2023 Professor and chairman, Department of Cardiovascular Surgery, Tokyo Medical and Dental University

**Professional career:**

- Board certified Surgeon, Japan, 2006
- Board certified Cardiovascular Surgeon, Japan, 2006
- Board certified surgeon for Mechanical Circulatory System, Heart Transplantation, Tissue Transplantation, Robotic surgery

**Board of Directors:**

- Japanese Society for Artificial Organ
- Japanese Society for Tissue Transplantation

- Japanese Society for Robotic Surgery
- Japanese Association for Clinical Ventricular Assist System

#### **Councilor**

- The Japanese Association for Thoracic Surgery
- The Japanese Society for Cardiovascular Surgery
- Japanese Circulation Society

#### **Member of International society**

- American Association for Thoracic Surgery,
- The International Society for Heart and Lung Transplantation,
- European Association for Cardiothoracic Surgery,
- The Asian Society for Cardiovascular & Thoracic Surgery

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#### **Principal Investigator on Grants:**

- Grant-in-Aid for Scientific Research (C), 2008-2011, 2023-2025
- Research award, Japan Surgical Society, 2012
- Health Labor Sciences Research Grant, 2014-2016
- Research award, The Japanese Society for Cardiovascular Surgery, 2018
- Grant of Japan Agency for Medical Research and Development (AMED), 2018-2021
- Grant of Japan Cardiovascular Research Foundation, 2018-2023
- Grant Application for Baxter Advanced Surgery, 2019-2021
- Grant of Industry-academia collaborative research fund from KANEKA, 2020-2021

#### **Principal Investigator on Projects:**

- A multicenter, randomized, parallel-group study to assess the safety and efficacy of adhesion prevention device, BAX 602, in preventing adhesion of heart and great vessels to surroundings after placement of extracorporeal ventricular assist device (VAD), investigator-initiated clinical trial (UMIN-CTR: UMIN000038998), 2019-2021
- Development of new treatment using amnion mesenchymal stem cells for end-stage heart failure due to dilated cardiomyopathy, non-clinical proof-of-concept study, 2019-2021

#### **Co-Principal Investigator on Projects:**

- Medtronic Evolute TAVR in Low risk patients (NCT02701283), 2016-2021
- BR16010 use as a bridge-to-decision therapy for severe heart failure, investigator-initiated clinical trial (NCVC-BTD\_01, UMIN-CTR; R000033243), 2017-2018
- PERIGON Japan trial (NCT02686814), 2016-2018
- A Prospective, Multi-Center, Single Arm Clinical Study to Evaluate the MDT-1118 Ventricular Assist Device System for Destination Therapy of Advanced Heart Failure (NCT03884504), 2019-2022

- The Medtronic Harmony™ Transcatheter Pulmonary Valve Clinical Study (NCT02979587), 2017-2020

**Publications:**

- >200 peer-reviewed papers

**Interests:**

- MCS, Heart transplantation, Robotic surgery, Mitral valve repair, S/TAVR, Off-pump CABG, Regenerative medicine
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