

Japan Vascular Surgery and Endovascular Procedures Market - 2025 -2033

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Abstracts

Japan Vascular Surgery and Endovascular Procedures Market Size

The Japan vascular surgery and endovascular procedures market reached US\$ 131.60 Million in 2024 and is expected to reach US\$ 263.94 Million by 2033, growing at a CAGR of 8.1% during the forecast period 2025-2033.

Japan Vascular Surgery and Endovascular Procedures Market Overview

The Japan vascular surgery and endovascular procedures market has demonstrated robust growth, reflecting the country's evolving healthcare needs and technological advancements. Japan's rapidly aging population is a primary driver of market growth. Over a third of the population is aged 65 or older, and more than one in ten is over 80. This demographic shift increases the prevalence of vascular diseases such as peripheral arterial disease (PAD), aortic aneurysms, varicose veins, and stroke, all of which require vascular interventions. Innovations in minimally invasive endovascular procedures, including advanced stents, drug-eluting balloons, and robotic-assisted navigation, have improved the safety, efficiency, and accessibility of treatments. This has led to increased adoption of these procedures across Japan.

Japan Vascular Surgery and Endovascular Procedures Market Dynamics: Drivers & Restraints

The rising aging population is significantly driving the Japan vascular surgery and endovascular procedures market growth

According to the World Economic Forum, Japan is getting ever greyer. More than 1 in

10 people in the country are now aged 80 or older. Almost a third of its population is over 65 – an estimated 36.23 million. Stroke risk rises with age, particularly due to carotid artery disease, which is a common vascular condition in older people. Japan's rising aging population is a major driver of growth in the vascular surgery and endovascular procedures market due to the strong correlation between advanced age and the prevalence of vascular diseases.

With more elderly patients, there is a growing need for both traditional vascular surgeries and minimally invasive endovascular procedures. The elderly are particularly susceptible to complications from vascular disease, making timely intervention critical. The crude mortality rate from cardiovascular diseases (including stroke and coronary heart disease) has remained significant, even as age-adjusted rates have declined due to improved treatments and prevention. The sheer number of elderly individuals, projected to reach over 36% of the population by 2045, means a sustained and expanding demand for vascular procedures.

High costs associated with vascular surgery and endovascular procedures are hampering the growth of the Japan vascular surgery and endovascular procedures market

The cost of Endovascular Aneurysm Repair (EVAR), which requires specialized grafts and imaging equipment, can be significantly higher than traditional surgery. For instance, according to the Oxford Academy, the average medical cost for EVAR was 35,2000 Japanese Yen per patient.

Additionally, according to a study conducted by the National Institute of Health, the mean costs for open surgical repair (OR) versus EVAR were as follows, Diagnosis Procedure Combination (DPC) ¥632,370 versus ¥490,050, respectively, which was significant; anesthesia, ¥123,540 versus ¥86,220, respectively and materials, ¥257,770 versus ¥2,113,280, respectively. Thus, the mean total cost was ¥1,825,830 versus ¥3,159,270 for open repair and EVAR, respectively.

Despite Japan's universal health insurance system, which caps out-of-pocket expenses, the high upfront costs of these procedures still place a considerable burden on the healthcare system and, indirectly, on patients through higher insurance premiums or government subsidies. The government has even considered raising the cap on out-of-pocket expenses for patients, which could further discourage utilization if not managed carefully.

Japan Vascular Surgery and Endovascular Procedures Market, Segment Analysis

The Japan vascular surgery and endovascular procedures market is segmented based on procedure, product type, and end-user.

The endovascular repair from the procedure segment is expected to hold 31.67% of the market share in 2024 in the Japan vascular surgery and endovascular procedures market

Patients and physicians increasingly favor endovascular procedures over traditional open surgery because they require only small incisions or punctures, resulting in less trauma, faster recovery, and shorter hospital stays. Innovations in stent grafts, drug-eluting balloons, and robotic-assisted navigation have made endovascular repair safer, more efficient, and accessible. The integration of advanced imaging and navigation technologies further enhances the precision and outcomes of these procedures.

The rising prevalence of vascular diseases among Japan's large elderly population has increased demand for effective, less invasive treatments. Older patients, who often have comorbidities, benefit significantly from the reduced risk and quicker recovery associated with endovascular repair. The endovascular repair segment holds a major portion of the market share and is expected to continue dominating due to ongoing advancements and patient preference. For instance, according to the study conducted by the National Institute of Health, among the 20,160 cases of AAA registered by the Japanese Society for Vascular Surgery, 61.6% were treated with EVAR, highlighting its mainstream adoption.

Japan Vascular Surgery and Endovascular Procedures Market Competitive Landscape

The major Japan players in the vascular surgery and endovascular procedures market include Terumo Corporation, Olympus Corporation, FUJIFILM Holdings Corporation, Mizuho Medical Co., Ltd., Nipro Corporation, Shimadzu Corporation, SB-KAWASUMI LABORATORIES, INC., ASAHI INTECC CO., LTD., Medtronic plc, and Boston Scientific Corporation, among others.

The Japan vascular surgery and endovascular procedures market report delivers a detailed analysis with 39 key tables, more than 31 visually impactful figures, and 147 pages of expert insights, providing a complete view of the market landscape.

Contents

1. MARKET INTRODUCTION AND SCOPE

- 1.1. Objectives of the Report
- 1.2. Report Coverage & Definitions
- 1.3. Report Scope

2. EXECUTIVE INSIGHTS AND KEY TAKEAWAYS

- 2.1. Market Highlights and Strategic Takeaways
- 2.2. Key Trends and Future Projections
- 2.3. Snippet by Procedure
- 2.4. Snippet by Product Type
- 2.5. Snippet by End-User

3. DYNAMICS

- 3.1. Impacting Factors
 - 3.1.1. Drivers
 - 3.1.1.1. Rising Aging Population
 - 3.1.1.2. Advancements in Minimally Invasive Techniques
 - 3.1.2. Restraints
 - 3.1.2.1. High Cost Associated with Vascular Surgery and Endovascular Procedures
 - 3.1.2.2. Regulatory Challenges
 - 3.1.3. Opportunity
 - 3.1.3.1. Technological Innovation and AI Integration
 - 3.1.3.2. Expansion of Vascular Closure Devices
 - 3.1.4. Impact Analysis

4. STRATEGIC INSIGHTS AND INDUSTRY OUTLOOK

- 4.1. Market Leaders and Pioneers
 - 4.1.1. Emerging Pioneers and Prominent Players
 - 4.1.2. Established Leaders with the Largest Selling Brand
 - 4.1.3. Market Leaders with Established Product
- 4.2. Latest Developments and Breakthroughs
- 4.3. Japan Regulatory and Reimbursement Landscape
- 4.4. Porter's Five Force Analysis

- 4.5. Supply Chain Analysis
- 4.6. SWOT Analysis
- 4.7. Unmet Needs and Gaps
- 4.8. Recommended Strategies for Market Entry and Expansion
- 4.9. Pricing Analysis and Price Dynamics

5. VASCULAR SURGERY AND ENDOVASCULAR PROCEDURES MARKET, BY PROCEDURE

- 5.1. Introduction
 - 5.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Procedure
 - 5.1.2. Market Attractiveness Index, By Procedure
- 5.2. Aneurysm Repair*
 - 5.2.1. Introduction
 - 5.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 5.3. Bypass Surgery
- 5.4. Carotid Angioplasty and Stenting
- 5.5. Endovascular Repair
- 5.6. Others

6. VASCULAR SURGERY AND ENDOVASCULAR PROCEDURES MARKET, BY PRODUCT TYPE

- 6.1. Introduction
 - 6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Product Type
 - 6.1.2. Market Attractiveness Index, By Product Type
- 6.2. Stents and Stent Grafts*
 - 6.2.1. Introduction
 - 6.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 6.3. Endovascular Tools
- 6.4. Scissors and Forceps
- 6.5. Needle Holders
- 6.6. Others

7. VASCULAR SURGERY AND ENDOVASCULAR PROCEDURES MARKET, BY END-USER

- 7.1. Introduction
 - 7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

- 7.1.2. Market Attractiveness Index, By End-User
- 7.2. Hospitals*
 - 7.2.1. Introduction
 - 7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 7.3. Surgical Centers
- 7.4. Academic and Research Institutions
- 7.5. Others

8. COMPETITIVE LANDSCAPE AND MARKET POSITIONING

- 8.1. Competitive Overview and Key Market Players
- 8.2. Market Share Analysis and Positioning Matrix
- 8.3. Strategic Partnerships, Mergers & Acquisitions
- 8.4. Key Developments in Product Portfolios and Innovations
- 8.5. Company Benchmarking

9. COMPANY PROFILES

- 9.1. Terumo Corporation*
 - 9.1.1. Company Overview
 - 9.1.2. Product Portfolio
 - 9.1.2.1. Product Description
 - 9.1.2.2. Product Key Performance Indicators (KPIs)

10. FINANCIAL OVERVIEW

- 10.1. Company Revenue
 - 10.1.1. Geographical Revenue Shares
 - 10.1.1.1. Revenue Forecasts
 - 10.1.2. Key Developments
 - 10.1.2.1. Mergers & Acquisitions
 - 10.1.2.2. Key Product Development Activities
 - 10.1.2.3. Regulatory Approvals, etc.
 - 10.1.3. SWOT Analysis
- 10.2. Olympus Corporation
- 10.3. FUJIFILM Holdings Corporation
- 10.4. Mizuho Medical Co., Ltd.
- 10.5. Nipro Corporation
- 10.6. Shimadzu Corporation

- 10.7. SB-KAWASUMI LABORATORIES, INC.
- 10.8. ASAHI INTECC CO., LTD.
- 10.9. Medtronic plc
- 10.10. Boston Scientific Corporation (LIST NOT EXHAUSTIVE)

11. ASSUMPTION AND RESEARCH METHODOLOGY

- 11.1. Data Collection Methods
- 11.2. Data Triangulation
- 11.3. Forecasting Techniques
- 11.4. Data Verification and Validation

12. APPENDIX

- 12.1. About Us and Services
- 12.2. Contact Us

List Of Tables

LIST OF TABLES

Table 1 Japan Vascular Surgery and Endovascular Procedures Market Value, By Procedure, 2024, 2029 & 2033 (US\$ Million)

Table 2 Japan Vascular Surgery and Endovascular Procedures Market Value, By Product Type, 2024, 2029 & 2033 (US\$ Million)

Table 3 Japan Vascular Surgery and Endovascular Procedures Market Value, By End-User, 2024, 2029 & 2033 (US\$ Million)

Table 4 Japan Vascular Surgery and Endovascular Procedures Market Value, By Procedure, 2024, 2029 & 2033 (US\$ Million)

Table 5 Japan Vascular Surgery and Endovascular Procedures Market Value, By Procedure, 2024-2033 (US\$ Million)

Table 6 Japan Vascular Surgery and Endovascular Procedures Market Value, By Product Type, 2024, 2029 & 2033 (US\$ Million)

Table 7 Japan Vascular Surgery and Endovascular Procedures Market Value, By Product Type, 2024-2033 (US\$ Million)

Table 8 Japan Vascular Surgery and Endovascular Procedures Market Value, By End-User, 2024, 2029 & 2033 (US\$ Million)

Table 9 Japan Vascular Surgery and Endovascular Procedures Market Value, By End-User, 2024-2033 (US\$ Million)

Table 10 Terumo Corporation: Overview

Table 11 Terumo Corporation: Product Portfolio

Table 12 Terumo Corporation: Key Developments

Table 13 Olympus Corporation: Overview

Table 14 Olympus Corporation: Product Portfolio

Table 15 Olympus Corporation: Key Developments

Table 16 FUJIFILM Holdings Corporation: Overview

Table 17 FUJIFILM Holdings Corporation: Product Portfolio

Table 18 FUJIFILM Holdings Corporation: Key Developments

Table 19 Mizuho Medical Co., Ltd.: Overview

Table 20 Mizuho Medical Co., Ltd.: Product Portfolio

Table 21 Mizuho Medical Co., Ltd.: Key Developments

Table 22 Nipro Corporation: Overview

Table 23 Nipro Corporation: Product Portfolio

Table 24 Nipro Corporation: Key Developments

Table 25 Shimadzu Corporation: Overview

Table 26 Shimadzu Corporation: Product Portfolio

- Table 27 Shimadzu Corporation: Key Developments
- Table 28 SB-KAWASUMI LABORATORIES, INC.: Overview
- Table 29 SB-KAWASUMI LABORATORIES, INC.: Product Portfolio
- Table 30 SB-KAWASUMI LABORATORIES, INC.: Key Developments
- Table 31 ASAHI INTECC CO., LTD.: Overview
- Table 32 ASAHI INTECC CO., LTD.: Product Portfolio
- Table 33 ASAHI INTECC CO., LTD.: Key Developments
- Table 34 Medtronic plc: Overview
- Table 35 Medtronic plc: Product Portfolio
- Table 36 Medtronic plc: Key Developments
- Table 37 Boston Scientific Corporation: Overview
- Table 38 Boston Scientific Corporation: Product Portfolio
- Table 39 Boston Scientific Corporation: Key Developments

List Of Figures

LIST OF FIGURES

Figure 1 Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 2 Japan Vascular Surgery and Endovascular Procedures Market Share, By Procedure, 2024 & 2033 (%)

Figure 3 Japan Vascular Surgery and Endovascular Procedures Market Share, By Product Type, 2024 & 2033 (%)

Figure 4 Japan Vascular Surgery and Endovascular Procedures Market Share, By End-User, 2024 & 2033 (%)

Figure 5 Japan Vascular Surgery and Endovascular Procedures Market Y-o-Y Growth, By Procedure, 2023-2031 (%)

Figure 6 Aneurysm Repair Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 7 Bypass Surgery Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 8 Carotid Angioplasty and Stenting Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 9 Endovascular Repair Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 10 Others Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 11 Japan Vascular Surgery and Endovascular Procedures Market Y-o-Y Growth, By Product Type, 2023-2031 (%)

Figure 12 Stents and Stent Grafts Product Type in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 13 Endovascular Tools Product Type in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 14 Scissors and Forceps Product Type in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 15 Needle Holders Product Type in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 16 Others Product Type in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 17 Japan Vascular Surgery and Endovascular Procedures Market Y-o-Y Growth, By End-User, 2023-2031 (%)

Figure 18 Hospitals End-User in Japan Vascular Surgery and Endovascular Procedures

Market Value, 2024-2033 (US\$ Million)

Figure 19 Surgical Centers End-User in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 20 Academic and Research Institutions End-User in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 21 Others End-User in Japan Vascular Surgery and Endovascular Procedures Market Value, 2024-2033 (US\$ Million)

Figure 22 Terumo Corporation: Financials

Figure 23 Olympus Corporation: Financials

Figure 24 FUJIFILM Holdings Corporation: Financials

Figure 25 Mizuho Medical Co., Ltd.: Financials

Figure 26 Nipro Corporation: Financials

Figure 27 Shimadzu Corporation: Financials

Figure 28 SB-KAWASUMI LABORATORIES, INC.: Financials

Figure 29 ASAHI INTECC CO., LTD.: Financials

Figure 30 Medtronic plc: Financials

Figure 31 Boston Scientific Corporation: Financials

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