

**Nafuta**

Custom-made  
Device

# CMD Thoracic Stent Graft System



*Same simplicity,  
More applications*



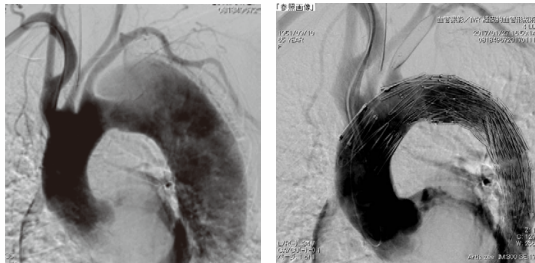
**SB-KAWASUMI**

# Najuta CMD Thoracic Stent Graft System

## 1. Applications

- Aortic aneurysm, Stanford type B dissection, PAU etc.
- Larger ascending aorta diameter
- Shorter neck length

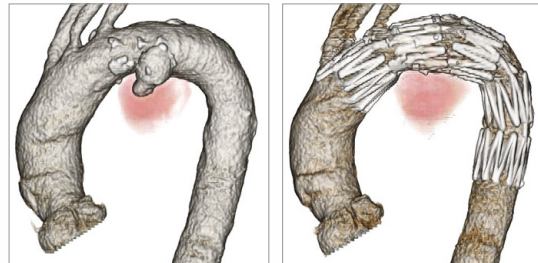
Deployment images for Dissection treatment\*1



Preoperative

Postoperative

Deployment images for Aneurysm treatment\*2



Preoperative

Postoperative

## 2. Features

Custom Made Najuta offers an ideal solution for each patient

- **Fast operation procedure\*3**
- **Fenestration's self alignment**
  - Pre-oriented fenestrations inside delivery sheath. (Fig.1)
  - Pre-curved delivery sheath will automatically adapt to the arch shape. (Fig.1)
  - Simulation test will assure accurate orientation and vessel patency. (Fig.2)
- **Zone 0 Landing\*4**
  - Longer proximal landing zone for device stability
  - Larger proximal sealing
  - Reducing debranching & avoiding chimney

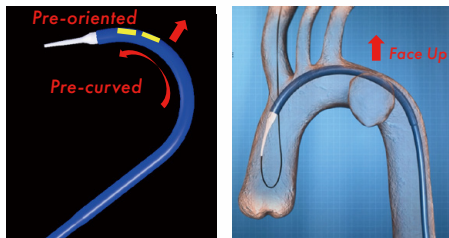


Fig. 1

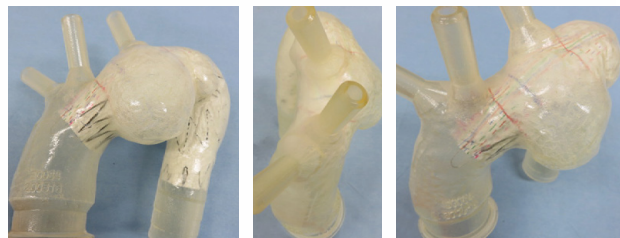


Fig. 2

## 3. Clinical Experience

Since 2013, Kawasumi Najuta thoracic stent graft system\*2 was chosen at approx. 2,000 cases\*5 in Japan.

Today CMD Najuta Thoracic Stent Graft System is available in European markets.

\* The product customization has technical limitation and the specification is subject to be decided according to its treatment effectiveness and risk.

\*1 Naoki Toya, Takao Ohki, Soichiro Fukushima, Kota Shukuzawa, Eisaku Ito, Yuri Murakami, Tadashi Akiba / Case Series of Aortic Arch Aneurysm in Patients with Bovine Arch Treated with Proximal Scalloped and Fenestrated Stent Graft / Cardiovasc Intervent Radiol, 2018, 41:1648-1653

\*2 Satoshi Kawaguchi, MD, PhD, J. Hideyuki Shimizu, MD, Akihira Yoshitake, MD, Taro Shimazaki, MD, Toru Iwahashi, MD, Hitoshi Ogino, MD, Shin Ishimaru, MD, Hiroshi Shigematsu, MD, and Ryohei Yozu, MD Endovascular Stent Graft Repair for Thoracic Aortic Aneurysms: The History and the Present in Japan / Ann Vasc Dis 2013, Vol. 6, No. 2:129-136

\*3 Soichiro Fukushima, MD, Takao Ohki, MD, Naoki Toya, MD, Kota Shukuzawa, MD, Eisaku Ito, MD, Yuri Murakami, MD and Tadashi Akiba, MD / Initial results of thoracic endovascular repair for uncomplicated type B aortic dissection involving the arch vessels using a semicustom-made thoracic fenestrated stent graft / Journal of Vascular Surgery, 2019, Vol.69, No. 6:P1694-1703

\*4 Yoshihiko Kuramoto, MD, PhD, Ryushi Maruyama, MD, PhD, Kousuke Ujihira, MD, Naritomo Nishio, MD, Kousei Hasegawa, MD, Yutaka Iba, MD, Eichiro Hata, MD, PhD, Akira Yamada, MD, PhD, and Katsuhiko Nakanishi, MD, PhD / Thoracic Endovascular Aortic Repair for Challenging Aortic Arch Diseases Using Fenestrated Stent Grafts from Zone 0 / Ann Thorac Surg, 2015, 100:24-33

\*5 the number is as of July 2020.

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We, KAWASUMI LABORATORIES, INC. and SUMITOMO BAKELITE CO., LTD., integrated our medical device business as of 1st October 2021, and start "SB-KAWASUMI LABORATORIES, INC." as the brand new company.

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