

Number of TFCA

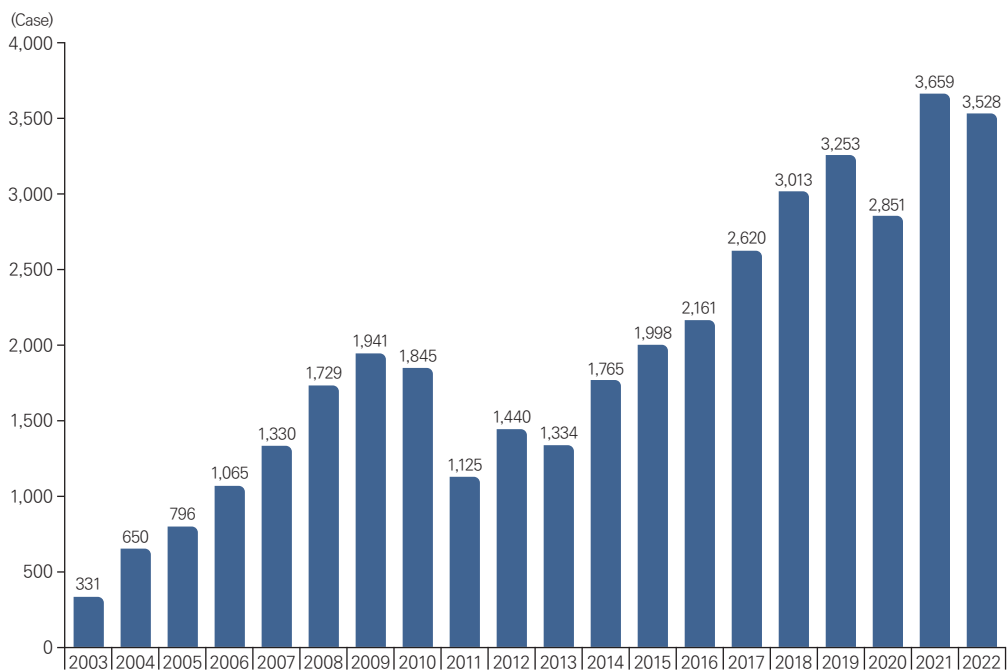
The number of TFCAs performed for patients diagnosed with neurovascular diseases

Definitions

- ◆ **Neurovascular diseases:** Various diseases related to neurovascular vessels including cerebral aneurysm, carotid artery stenosis, cerebral arterial stenosis, malformations, ischemic strokes, vascular tumor, vascular diseases in head and neck, and spinal cord or spinal vascular diseases.
- ◆ **Transfemoral cerebral angiography (TFCA):** A procedure to examine blood vessels of brain, head and neck using X-ray and contrast injection through a catheter. That is performed to diagnose cerebrovascular diseases. It is believed to be an examination with the highest accuracy.

Result

May 1, 2003 – December 31, 2022



Interpretation

- ◆ Recent records show that about 3,500 cases are performed annually.

Data source SNUBH EMR (Electronic Medical Record)

Number of TFCA, Day Procedure Center

The number of patients diagnosed with a cerebrovascular disease and admitted to the day procedure center on the day of diagnosis for receiving transfemoral cerebral angiography



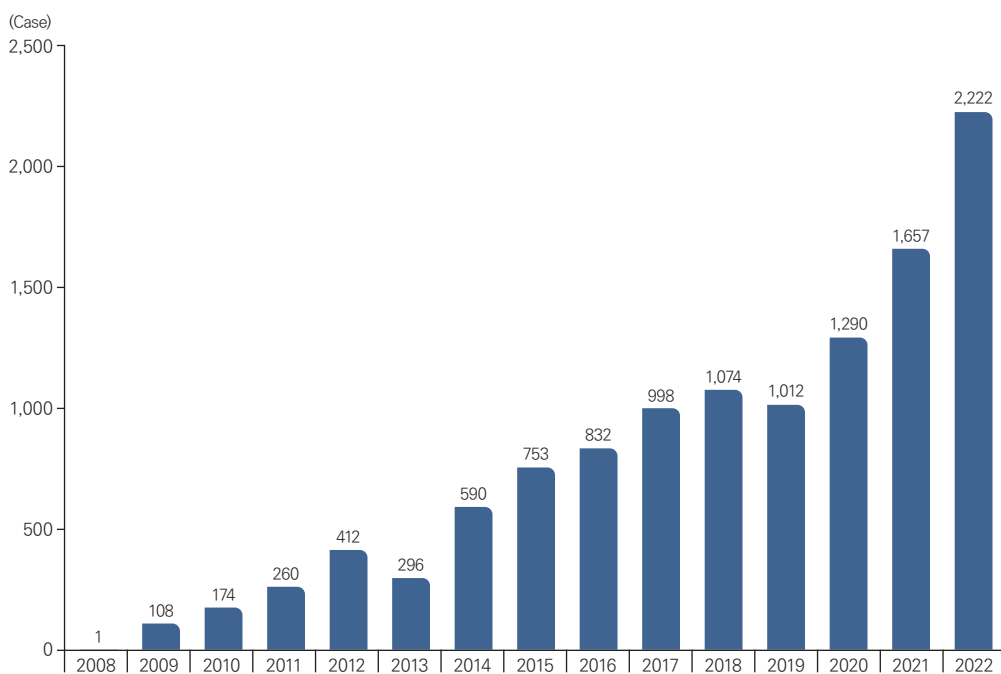
Definitions

- ◆ **Transfemoral cerebral angiography (TFCA):** A procedure to examine blood vessels of brain, head and neck using X-ray and contrast injection through a catheter. That is performed to diagnose cerebrovascular diseases. It is believed to be an examination with the highest accuracy.
- ◆ **Day procedure center:** A center for patients to be admitted in the morning for TFCA and be discharged in the afternoon.



Result

January 1, 2008 – December 31, 2022



Interpretation

- ◆ The number has shown a trend of gradual increase since 2008, the year when the first Day Procedure Center TFCA was performed. The annual number of TFCA is above 2,000 cases.

Data source SNUBH EMR (Electronic Medical Record)

Average Length of Stay, TFCA

The average period of admission for patients admitted for TFCA



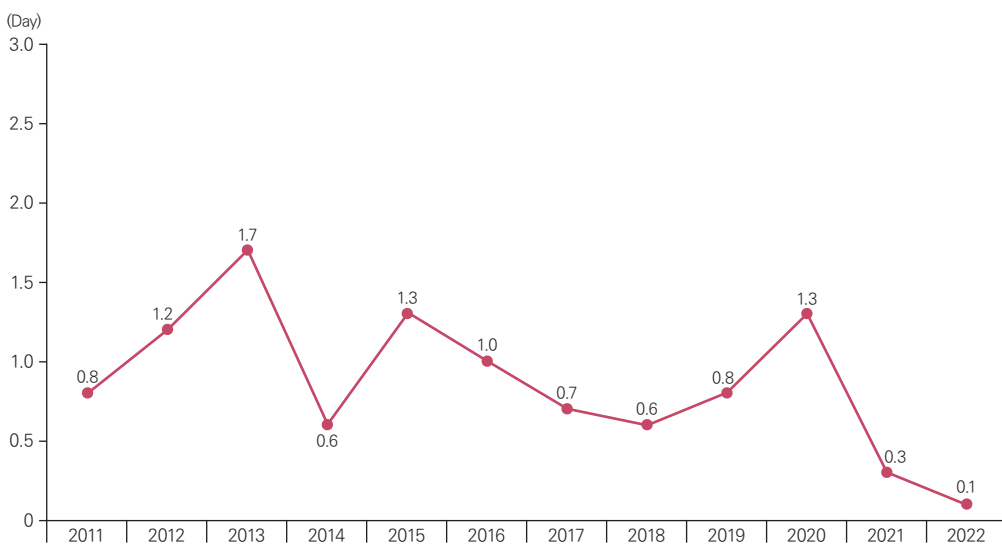
Definitions

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- ◆ **Day procedure center:** A center for patients to be admitted in the morning for TFCA and be discharged in the afternoon.



Result

January 1, 2011 – December 31, 2022



Interpretation

- ◆ The average length of stay is 0.1 day for TFCA since most cases are handled at day procedure center.

Data source SNUBH EMR (Electronic Medical Record)

Incidence of Complications after TFCA

The proportion of patient number showing complications within 30 days after TFCA



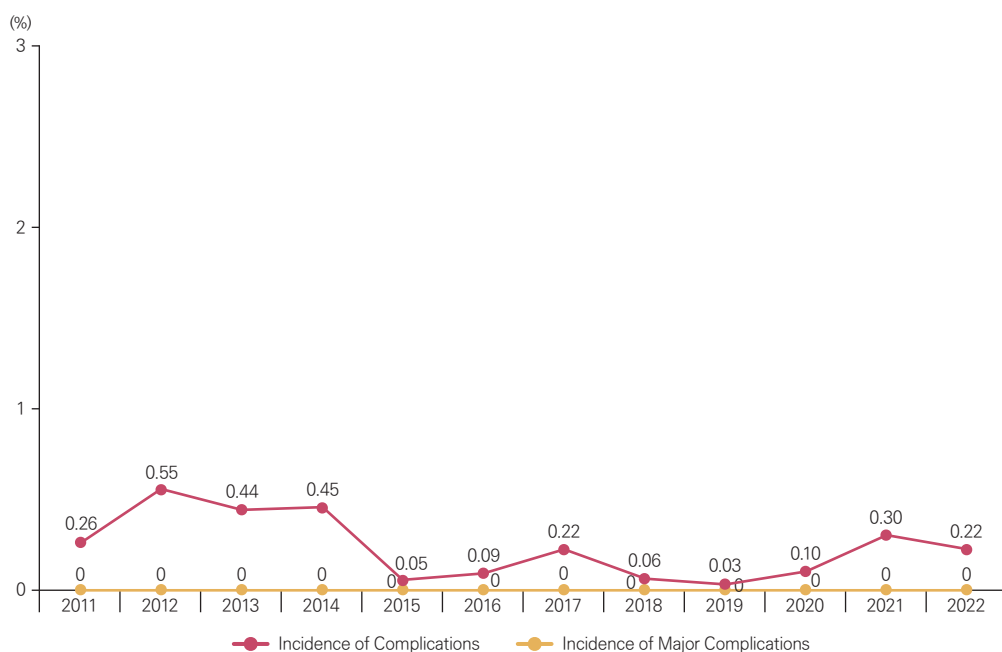
Definitions

- ◆ **Complication:** All complications after TFCA, from mild complications such as mild transient fever to serious complications such as cerebral infarction with neurological symptoms.
- ◆ **Major complication:** Complications that leave permanent neurologic symptoms longer than 3 months.



Result

January 1, 2011 – December 31, 2022



Interpretation

- ◆ Our endovascular neurosurgery center has very low complication rates.



Improvement

- ◆ A quarterly team conference is being held for further minimizing and keeping complication rate very low.

Data source SNUBH EMR (Electronic Medical Record)