

The 4th Siriraj Stroke Conference 2019

Closing the gap in stroke care

**Fill the gap in
Siriraj Acute Stroke Unit
By
The use of quality
improvement projects**

Supit Songprishon
Siriraj Acute Stroke Unit



Siriraj Acute Stroke Unit

Establish on May 7, 1997



Stroke Mobile Stroke Unit

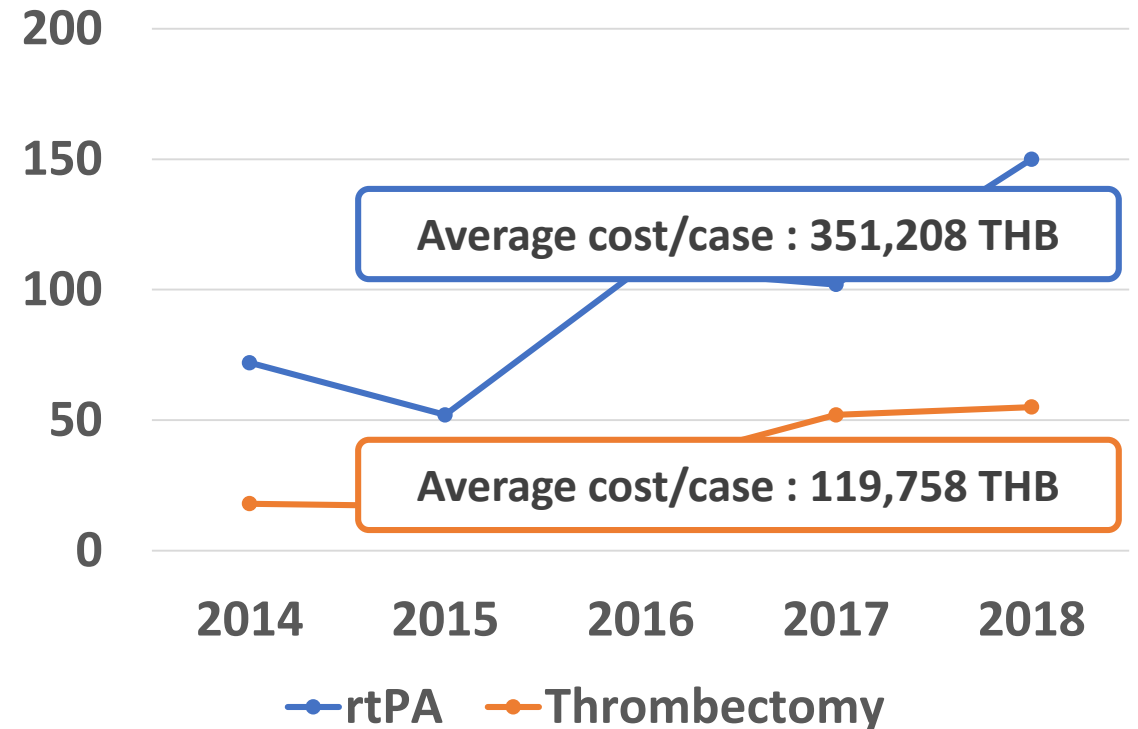
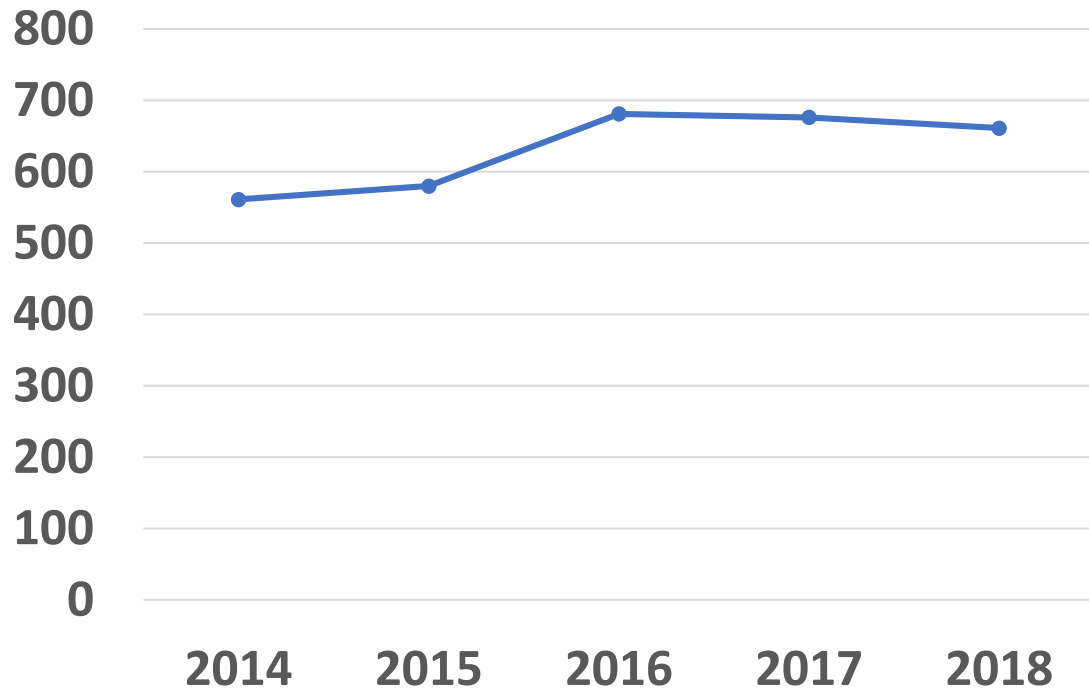
Establish on May 18, 2018





Statistics from Siriraj Acute Stroke Unit

Number of client



What is the gap?

Illness

Gap

Full recovery

↓
Complication



American
Heart
Association

American
Stroke
Association®

- Brain edema
- Pneumonia
- UTI

- Bedsores
- DVT
- Seizures

How to bridge the gap?

Routine to Research

We perform...

**The Effectiveness of
an Aspiration Pneumonia
Prevention Program
in Acute Ischemic Stroke
Patients**

Swallowing tool

**The Toronto Bedside
Swallowing Screening Test (
TOR-BSST)**

Routine to Research

Abstract 15023: The Effects of Respiratory Muscle Trainings on Pneumonia Frequency and Fibrosis Process in Patients With Severe Heart Failure

Elena Kolesnikova, Gregory Arutyunov, Anna Rylova, and Natalia Rylova

Originally published 26 Nov 2013 | Circulation. 2013;128:A15023

It improves physical capacity, stabilize pulmonary pressure, increase health-related quality of life and decrease number of hospitalizations during first year after MI.

Does respiratory muscle training improve cough flow in acute stroke? Pilot trial.

Kulnik ST¹, Birring SS², Moxham J², Rafferty GF², Kalra L².

There were significant improvements in the mean maximal inspiratory (14 cmH₂O; P<0.0001) and expiratory (15 cmH₂O; P<0.0001) mouth pressure and peak expiratory cough flow of voluntary cough



Outcome

Year	2016	2017
Number of client	291	505
Pneumonia	29	31
Percentage	10	6.1

Thank you

