Tracheostomy Decannulation Rates in Japan: a Retrospective Cohort Study Using a Claims Database

1. Authors

   Miho Ishizaki, MPH. [1], ishizaki.miho.35c@st.kyoto-u.ac.jp
   
   Mayumi Toyama, MD, MPH, PhD. [1], toyama.mayumi.7f@kyoto-u.ac.jp
   
   Haruki Imura, MD, MPH. [1] [2], imura.haruki.53n@kyoto-u.jp
   
   Yoshimitsu Takahashi, DrPH. [1], takahashi.yoshimitsu.3m@kyoto-u.ac.jp
   
   Takeo Nakayama, MD, PhD. [1], nakayama.takeo.4a@kyoto-u.ac.jp

2. Name of departments and institutions

   [1] Department of Health Informatics, School of Public Health, Kyoto University,
   Yoshida-Konoe, Sakyo, Kyoto 606-8501, Japan
   
   [2] Department of Infectious Diseases, Rakuwakai Otowa Hospital, Otowachinji,
   Yamashina, Kyoto 608-8062, Japan
**Supplementary Table S1.** Breakdown of censored data

| Patient categories                                                                 | n  |
|-----------------------------------------------------------------------------------|----|
| Patients who died                                                                 | 213|
| Patients who did not undergo decannulation until the end of the study period       | 85 |
| Patients who discontinued their claims due to unknown causes (e.g., change of health insurance) | 83 |
| Patients who were transferred to a rehabilitation or long-term care hospital and were not discharged until the end of the study period | 58 |
| Patients who underwent dysphagia surgery                                             | 4  |
Supplementary Figure S1. Kaplan-Meier curves for time to decannulation by (a) emergency endotracheal intubation and (b) hospital size.
**Supplementary Figure S2.** Number of tracheostomies performed in Japan

(April 2019 to March 2020)

This figure was created based on the 6th National Database of Health Insurance Claims and Specific Health Checkups (NDB) Open Data Japan. NDB Open Data is a national claims database provided by the Ministry of Health, Labour and Welfare, and contains claims data for almost the entire Japanese population.