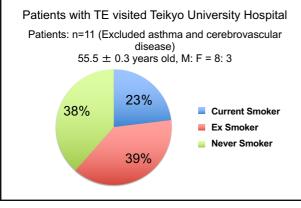
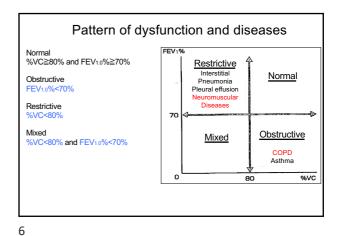


(=FEV1/FVC: FEV<sub>1</sub>%): 81.7  $\pm$  1.4%

No specific pulmonary disease or dysfunction was not identified in TE at age of 50 y.o.

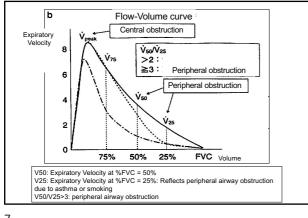
3

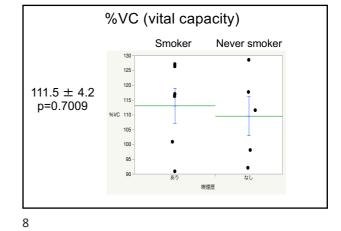


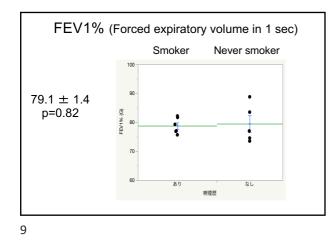


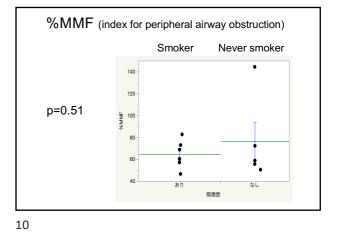
Result from Health check up

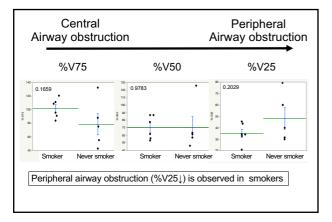
in 2017- 2018 at 55 yo

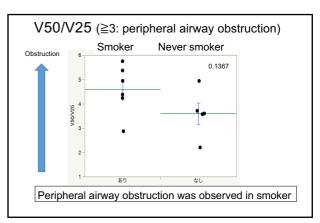




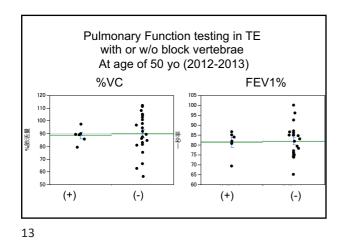


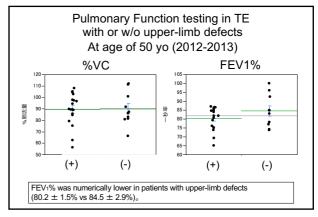












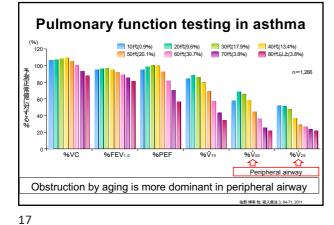
## Results

- The proportion of smoker in TE was 23% (Average 17.9% in Japan).
- The value of %VC and FEV1% was preserved and value in all patients was within normal range.
- Peripheral airway obstruction was observed in smokers.
- FEV1% tended to be lower in patients with upper limb defect.

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Alveolar space enlargement in elderly <sup>29</sup> yo <sup>Never</sup> <sup>100</sup> yo <sup>Never</sup> <sup>smoker</sup> <sup>100</sup> yo <sup>Never</sup> <sup>100</sup> yo <sup>Never</sup> <sup>100</sup> yo <sup>Never</sup> <sup>Never</sub> <sup>Never</sup> <sup>Never</sub> <sup>Never</sup> <sup>Never</sub> <sup>Never</sup> <sup>Never</sub> <sup>Never</sup> <sup>Never</sup> <sup>Never</sup> <sup>Never</sub> <sup>Never</sub></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup></sup>

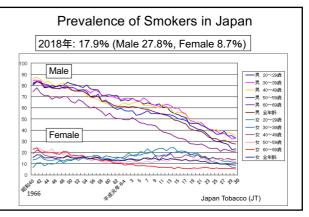
16

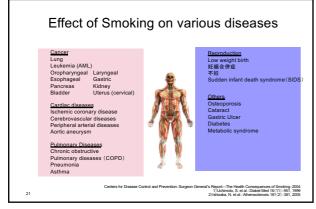




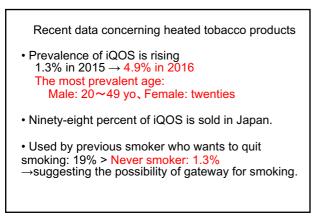
- Although pulmonary function in patients with TE at age 55 yo was within normal range, peripheral airway obstruction, which can lead to COPD was observed in smokers.
- As %FEV1 was numerically lower in patients with upper-limb defects, smoking cessation is highly recommended to such patients.

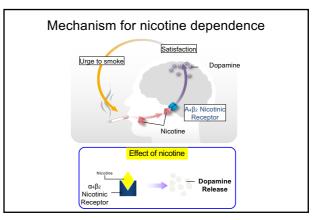


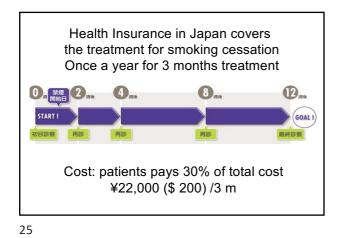


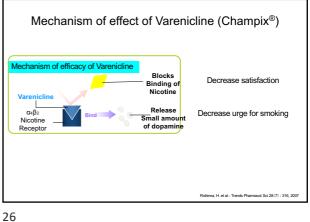


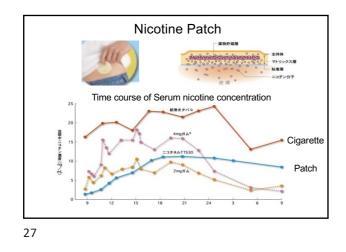


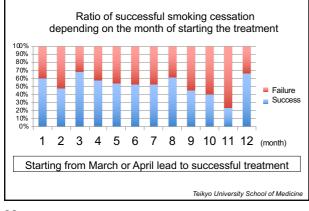


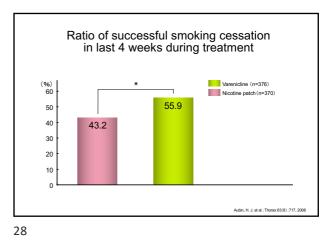


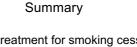




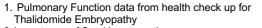








- In Japan, treatment for smoking cessation is covered by nationwide health insurance.
- Two drugs are available.
- As smoking rates in patients with TE might be higher than Japanese average, to inform about harmful effects of smoking is important to keep good health status.

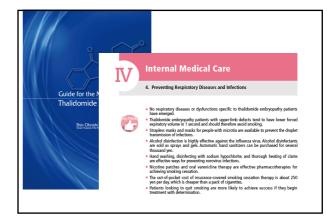


2. Importance of Smoking cessation

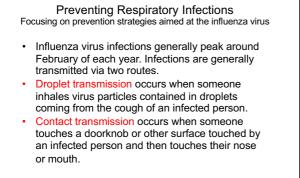


Crowded Train in Tokyo

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Guide for the Management of Thalidomide Embryopathy 2017

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## Preventing contact transmission

- •Wash and disinfect hands after going out. Remember to wash your hands after returning home.
- Alcohol disinfection is highly effective against the influenza virus. Disinfecting the hands with an alcohol product is useful for people unable to rub their hands together.
- <u>Alcohol sprays</u>, such as Welpas, and gels, such as Softy Hand Clean, are available. Gel products can be dispensed and applied with one hand. Automatic hand sanitizers can be purchased for several thousand yen. They can be operated with one hand and can also be used for feet.

Guide for the Management of Thalidomide Embryopathy 2017





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- Maintaining optimal <u>humidity levels</u>: Breathing dry air reduces the defensive properties of the airway mucosa, which increases the chance of getting sick. A humidifier should be used to maintain proper humidity levels (50-60%).
- Getting enough rest and eating nutritious, well-balanced meals.
   Getting a <u>flu vaccination</u>: Influenza vaccination reduces the chance of getting the flu and prevents influenza infections from worsening. Flu shots require about 2 weeks to become effective and should therefore be given by mid-December. Only one shot is needed. A shot is needed every year because the effects wear off after about 5 months and prevalence strains change from year to year. Flu shots contain an inactivated vaccine free of pathogens and therefore cannot cause influenza. Adverse reactions, which include redness and swelling at the injection site, fever, headache, and fatigue, normally resolve within 2-3 days.

Guide for the Management of Thalidomide Embryopathy 2017

## Conclusion

- Although pulmonary function in patients with TE at age 55 yo was within normal range, peripheral airway obstruction, which can lead to COPD was observed in smokers.
- As %FEV1 was observed in smokers.
  As %FEV1 was numerically lower in patients with upper-limb defects, smoking cessation is highly recommended to such patients.
- In Japan, treatment for smoking cessation is covered by nationwide health insurance. Two drugs are available. As smoking rates in patients with TE might be higher than •
- •
- As showing rates in patients with the high being reference of the important to keep good health status. As the physical activity of patients with TE potentially becomes lower due to muscle skeletal pain, development of COPD, which can lead to low physical activity, should be avoided. •
- To avoid respiratory infections, masks with long straps and strapless masks are available.