

Swallowing Mechanism Model

- Weight/About 12kg ● Case size/W70×D39×H40cm
- Accessories/Transparent cover, Pillow, Bolus model with wire, Baby powder, Storage case
- Supervision/Associate Professor Hiromi Obayashi, Toyohashi Sozo University

Learn the mechanism of swallowing,
Practice practical way of preventing miss-swallowing!



Can confirm the condition of the tube inserted through the nose, while observing the angle.



Can learn intermittent tube eating method, while observing the angle.



Can grasp the condition of eating by use of bolus model.

*Tube is not included.

Mouth care



The tongue is soft and able to pull out. Can have swallowing drills, study the tongue and muscles surrounding the mouth, and practice suction.

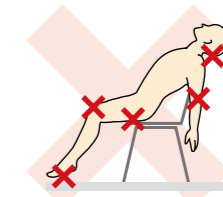


- Neck angle (head angle) can be bent about 15° forward and about 45° backward.
- Can comprehend the relation between neck angle (head angle) and movement of trachea / esophagus.

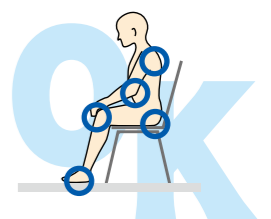
Practice

- Study the mechanism of swallowing
- Learn what causes miss-swallowing
- Study proper posture when eating and its relation with bed angle
- Study neck angle (head angle) and its relation with miss-swallowing
- Practice emergency care when food gets stuck
- Swallowing drills and practice in giving mouth care
- Learn how to insert tube through nose, and the intermittent tube eating method
- Study suction in the oral cavity

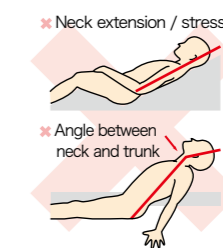
Key point for eating posture



- ✗ Sit on edge of the chair
- ✗ Head bent backward
- ✗ Limped arm, leg, and whole body
- ✗ Leg parted from floor



- OK Sit properly
- OK Bend the knee 90°
- OK Not let thigh rise from chair
- OK Put the feet firmly on the floor of stool
- OK Match the height of desk to that of elbow



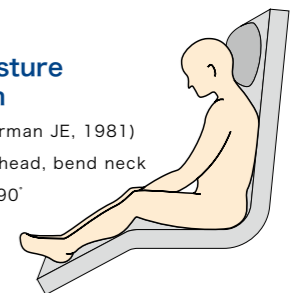
- ✗ Neck extension / stress
- ✗ Angle between neck and trunk



- OK Neck bent forward / relax

Suggested posture of Zimmerman

- (Quoted from Zimmerman JE, 1981)
- With pillow under head, bend neck
 - Bed bent up (80-)90°



Example of proper posture when eating



bed angle 30° · neck angle (head angle) 15°