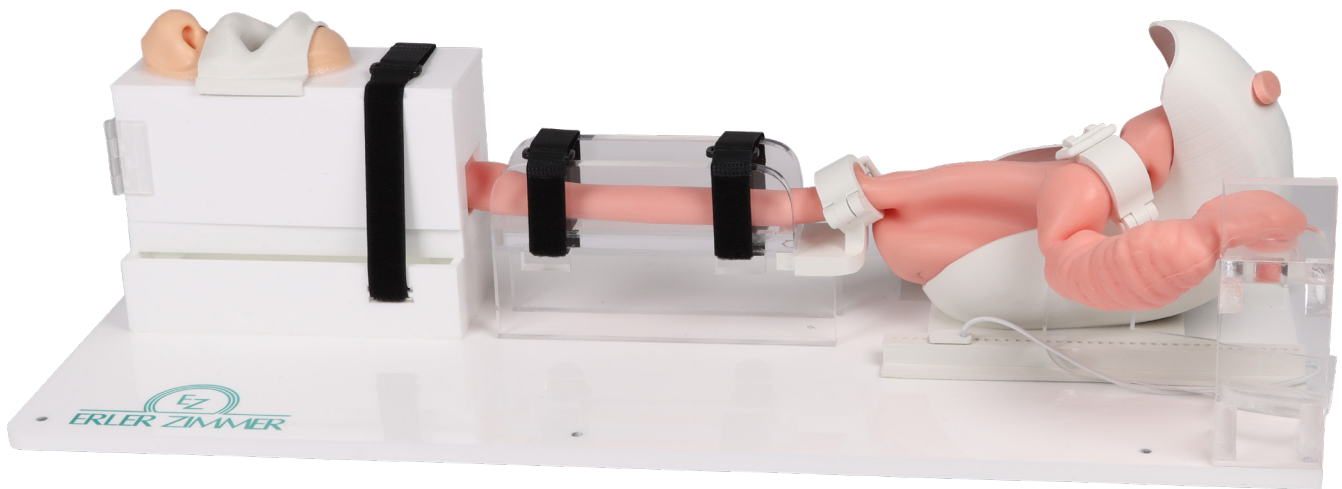


User Manual

UGI Simulator 7150



*Experts in medical education
since 1950*



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1. Introduction

This is a simulator for Upper Gastrointestinal (UGI) endoscopic training. With its life-like texture and accurate anatomical features, it provides realistic simulation experience for the users. Different levels of training can be offered using this simulator by choosing different difficulty levels for Mouth and Esophagus block for more advanced training.

2. Instruction for use

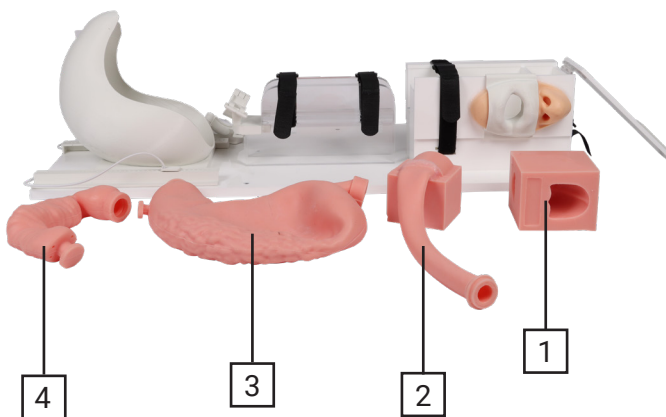
1. Model Components

A. Silicone blocks (4 total)

1. Mouth
2. Esphagus

Difficulty lv1 is provided if additional options are not chosen.
lv2, lv3 are sold separately.

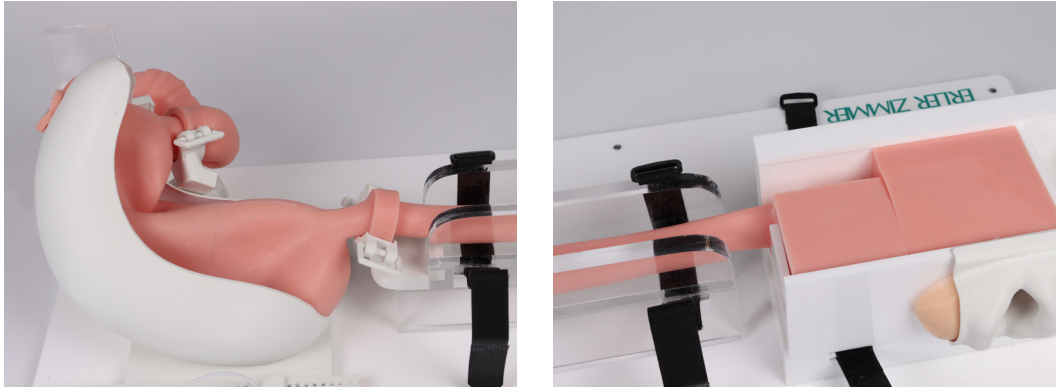
3. Stomach
 4. Duodenum
- ##### B. Acrylic plate
- ##### C. Case



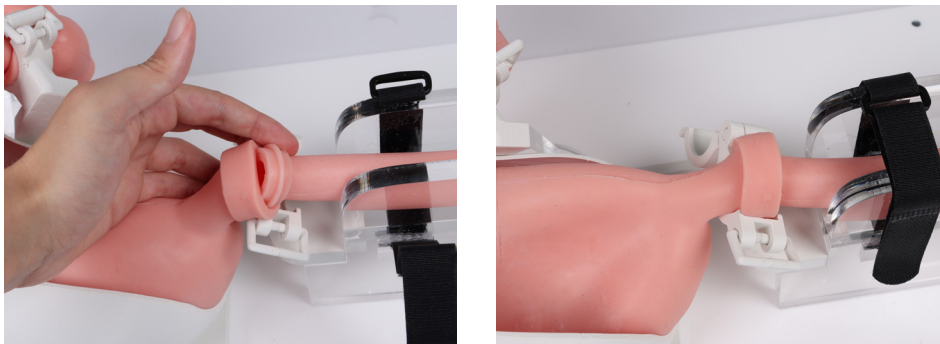
2. Place the case on the desk and open its lid.

3. Make sure each silicone block is in its right place and coat them with lubricant.

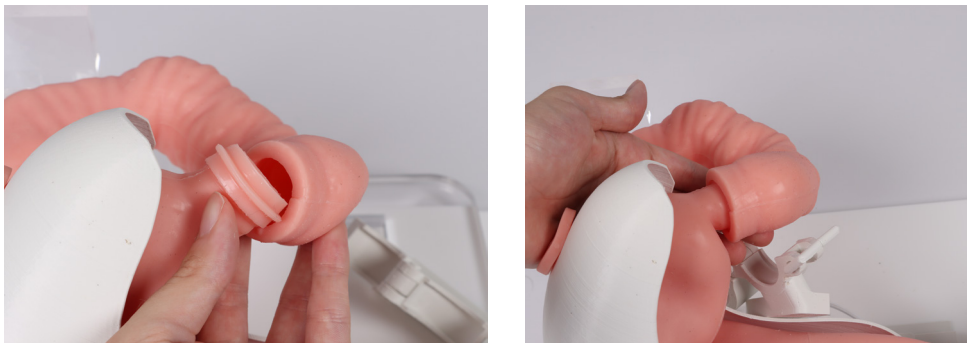
A. Make sure each silicone block is placed on the acrylic plate in order
Choose between Esophagus block lv1, lv2, lv3 and connect to assemble



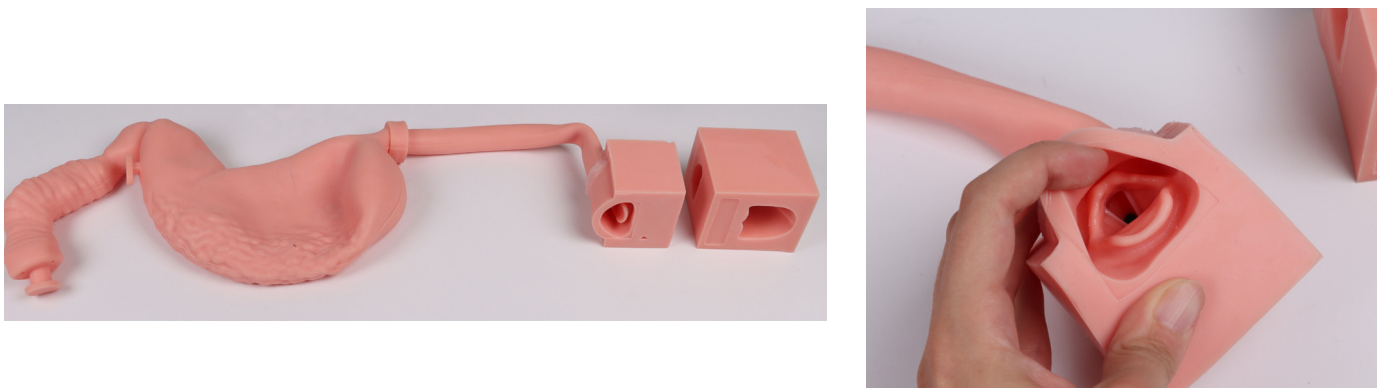
B. Connect Esophagus block with the upper part of the Stomach block.



C. Connect end of Stomach block with beginning of Duodenum block.



D. Pour lubricant from Esophagus block so that it will flow down to Stomach block and Duodenum block.

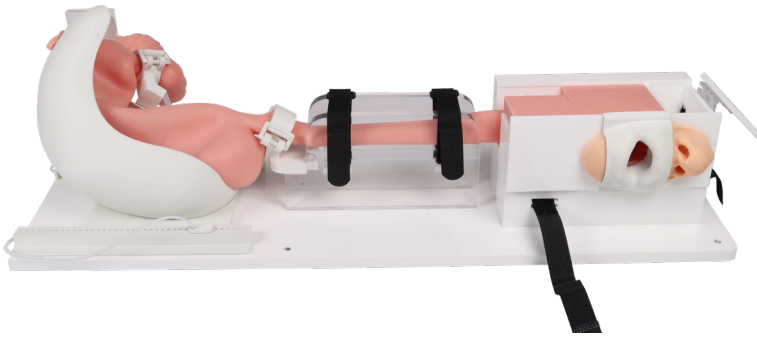


E. Apply lubricant on the Mouth block manually.

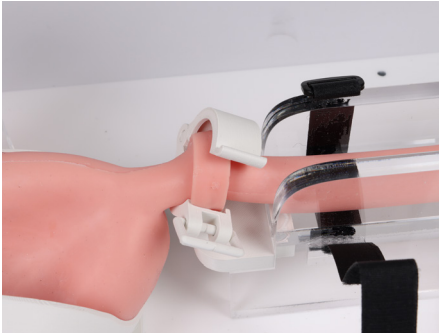
**F. Rub, from outside, until all surface area from inside each block is coated with lubricant.
(CAUTION: If lubricant is not thoroughly coated, friction between endoscope and model could create damage or tear.)**

4. After lubricant is applied, place silicone blocks on the acrylic plate and fixate.

A. Place the silicone blocks coated with lubricant on acrylic plate

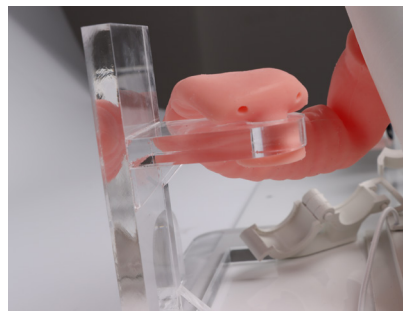


B. Close connector as shown in the image below.



C. Fixate using silicone key as shown in the image below

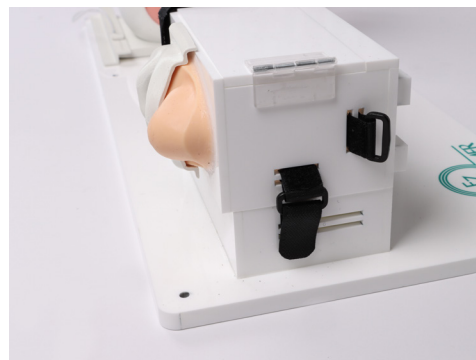
1)



2)

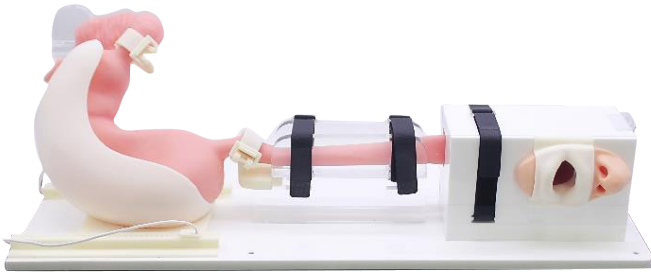


D. Close the lid of the case and fixate using Velcro tie.



5. Training may begin

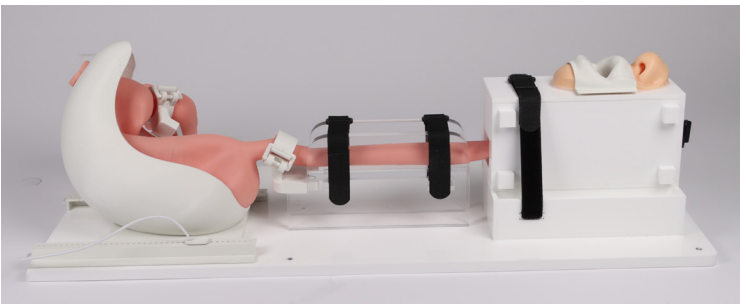
A. Use the model in its fully assembled state



B. If necessary, move the support fixture left and right (Once placement is done, insert key to fixate.)



C. Direction of the Mouth block can be changed if necessary (If necessary, you can place the model to mimic supine position of the patient.)



6. After training, disassemble each block

7. Wash inside of each block with running water

- Place running water inside each block and rinse
- Remove access water with dry washcloth.
- Let dry in cool and dry space.

8. Remove dirt or water from acrylic plate with wet washcloth

9. Store all included parts in the case

3. Specification

****make sure to coat model and endoscope with lubricant before beginning the training**

**** Mix dish detergent and water 1:1 ratio to be used as lubricant (Lubricant is not included in the kit)**

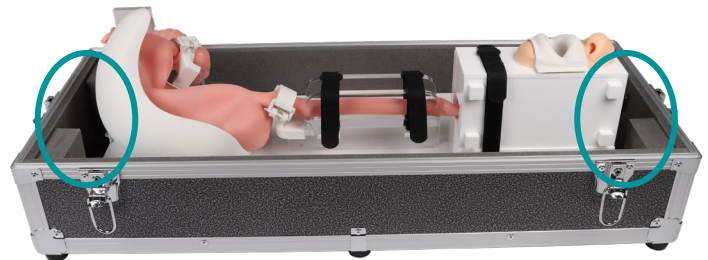
**** You can choose blocks made for trainings of different levels of difficulty**

- Mouth block is composed of 3 levels and Esophagus block is composed of 4 levels
- Select and choose the level you want and assemble

****Precaution**



pic 1



pic 2

Picture 1 When opening or closing the lid of the case, make sure all 6 clasps are closed.

Picture 2 When placing the fully assembled model in the case, hold the model by both ends.

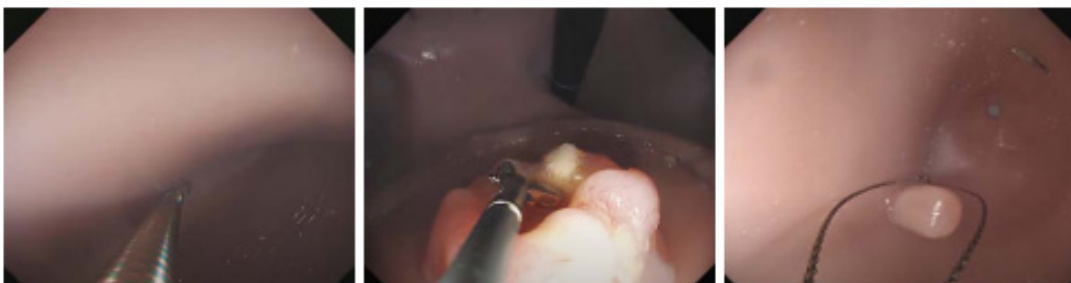
4. Key advantages

1. Adjustable difficulty level

- Mouth blocks are available in 3 different difficulty levels.

2. Navigation training from mouth insertion to duodenum

3. Other Training



Clipping

Biopsy

Snare

4. support lateral and supine positions