

Transparent Laryngopharynx Model

LM-104

Instruction Manual

Thank you for purchasing the Transparent Laryngopharynx Model.

Please read this instruction manual carefully to ensure correct use of the product,
and store it in a safe place for easy access.

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Handling and Safety Precautions

These precautions should be strictly observed in order to ensure safe, long-term use of the product.

The following precautions should be observed particularly strictly:

1. This model is made of special silicone rubber that may be damaged if undue force is applied. Please handle carefully.
2. If you feel something is wrong with the model, discontinue use immediately and have the model inspected/repared by Koken.
3. Never use oil-based pens or paint on the model, as they may not come off.
4. Discoloration of the model from ultraviolet light will occur with time. To maintain transparency for a long time, always store the model in the box provided after use.
5. Align the left and right sides of the model properly and join firmly before pouring liquid into the pharynx. Leakage may occur if the two sides of the model are insufficiently joined, or if liquid is left in the model for a long period.
6. Leakage may occur when penetrative liquids are put into the pharynx. Be sure to check before use when putting liquid into the pharynx.

Caring for the model after use

1. If the model gets dirty, wash with a neutral detergent and rinse well with water.
2. After washing, dry well before storing.
3. To clean difficult-to-remove smudges or marks, wipe with gauze or similar soft material moistened with disinfecting ethanol.
4. Never use thinners, benzene, or similar solvents.
5. To avoid deformation of the model, store in the proper orientation.
6. Store in a place away from direct sunlight or ultraviolet light. Ultraviolet light may cause discoloration of the model.

1. The contents of this instruction manual are subject to change without notice.
2. This instruction manual may not be reproduced in part or in its entirety without permission.
3. Please contact the manufacturer in the event that any errors or omissions are found in the contents of this instruction manual.
4. This product should be used only as described in this instruction manual. In particular, the product should not be used in any way that contravenes the precautions noted in the instruction manual.

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1. Outline and Features

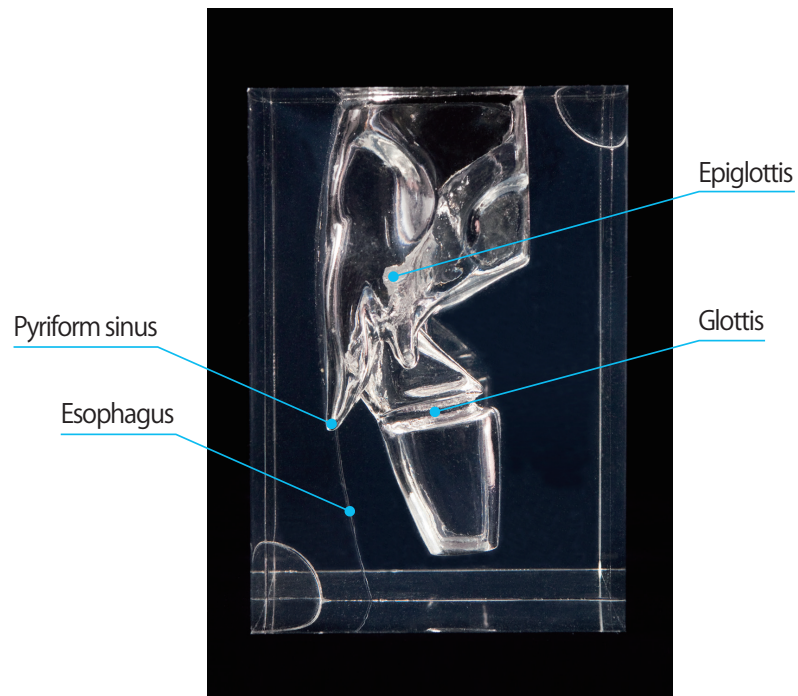
Outline

This is a transparent model that reproduces the laryngopharynx three-dimensionally, from the oropharynx to the hypopharynx. It is useful in explanations to help people understand the complex structure of the laryngopharynx, and can be used as a model when training personnel involved in swallowing therapy or when giving instruction to patients or their families.

Features

- The model can be split on the midline.
- The epiglottis, pyriform sinus, and glottis are faithfully reproduced, and the depth of the pyriform sinus and laryngeal vestibule can be understood.
- The complex 3-dimensional structure of the laryngopharynx can be intuitively grasped through visualization. The flow of food from the outside can also be seen. (Actual liquids can be used.)
- The importance of food preparation and eating posture can be taught with an understanding of the 3-dimensional structure of the laryngopharynx. The difficulty of coughing up food that has been accidentally ingested can also be understood.
- When teaching videoendoscopic examination of swallowing, the location that is being viewed can be understood by visually comparing endoscopic images and the model.
- The state of occlusion in the esophagus can be expressed with a line to help create a mental image.

2. Configuration and components



3. Examples of usage for patient explanations

The model can be used in tests. First explain the structure of the laryngopharynx and how it looks under an endoscope, and pharyngeal penetration or accidental ingestion of food. After the test, risks and the meaning of the compensation method can be explained from test results while making comparisons with images.

- **Explanation using the model during videoendoscopic examination of swallowing**

The viewpoint changes with movement of the endoscope, and the model can be used to explain the changes in how things look.



- **Explanation using the model during videofluoroscopic examination of swallowing**

Positional relationships can be explained, since the structures are transparent.

Depth is difficult to understand during tests, and explanations can be given using left-right differences.



4. Examples of usage for educational instruction Nurses, careworkers, and others

- **For personnel involved in meal situations**

The model can be used to explain the meaning of the compensation method. The meaning of terms such as “adding thickness” and “the trunk angle” is illustrated by the observing the flow of actual liquids, thickened liquids, or food ingredients.



Speech therapists, nurses, and others

- **For personnel involved in evaluation and training**

Grounds for diagnosis or compensation methods can be explained. Training and treatment programs matched to symptoms can be investigated.

- **In the learning process for students**

The model is useful in helping students to memorize the structures of the laryngopharynx in a three-dimensional manner. Students can more easily memorize the size, undulations, and inclinations of the laryngopharynx through touch. This is an important experience that is directly linked to clinical practice—something that was not possible in previous education.



5. Specifications

Product name	Length	Width	Height	Weight
Transparent laryngopharynx model main body	Approx. 9 cm	Approx. 11 cm	Approx. 13 cm	Approx. 1.1 kg

Note

A handbook with comments from the doctor who supervised the development of the model and examples of its use is available for this Transparent Laryngopharynx Model.

For more detailed information, please contact our distributor in your area or International Marketing & Sales of KOKEN CO., LTD. directly at E-mail: customer@kokenmpc.co.jp