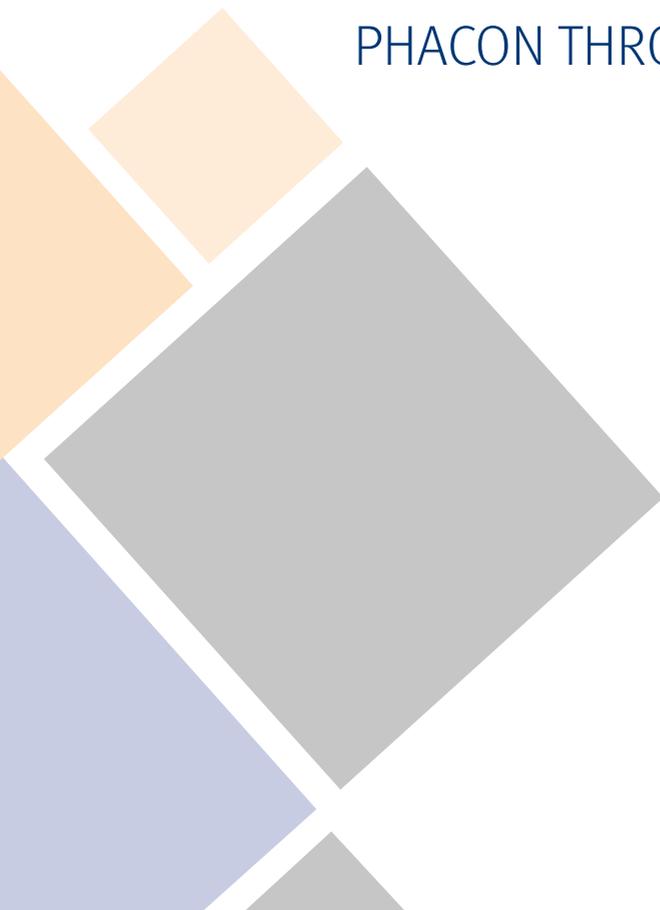


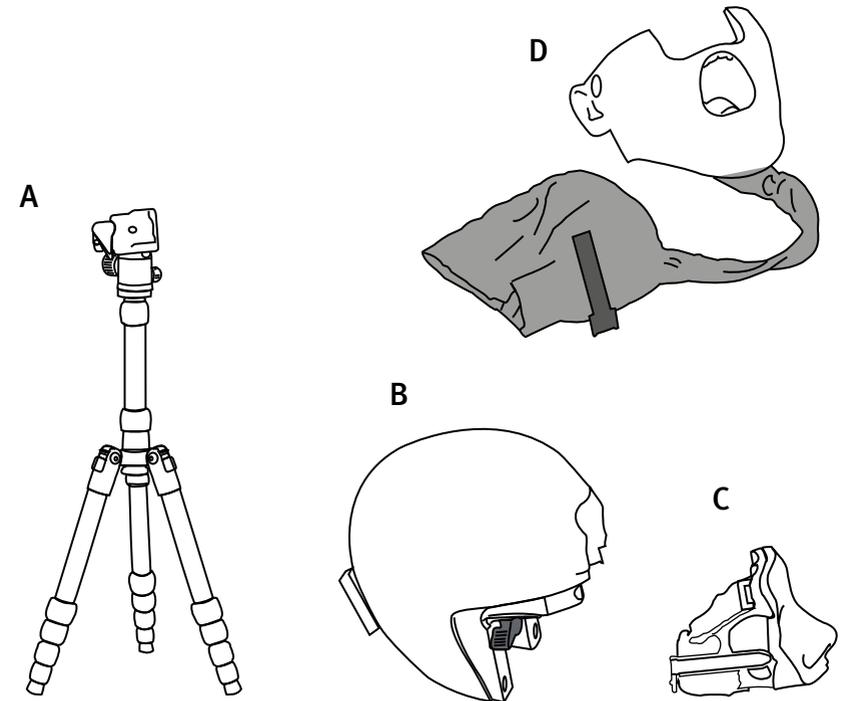
# USER MANUAL

## PHACON THROAT ASSISTANT





## THROAT ASSISTANT COMPONENTS



A Tripod

B PHACON Throat Assistant Head

C PHACON Sinus Patient „Meyer”

D PHACON Throat Patient „Peters”



DISCOVER THE INTRODUCTION  
IN OUR PHACON THROAT ASSISTANT

## INSTRUCTIONS

### INTENDED USE

The PHACON Throat Assistant is intended to be used by healthcare professionals for education and training purposes only. The assistant allows surgical residents and other healthcare professionals to use actual surgical instruments on three dimensional (3-D) anatomical models.

If you are not sure whether parts are damaged or faulty, or if you have any questions regarding the use, please contact PHACON Support (Phone: +49 (0)341 47 83 97 32 or support@phacon.de) in immediately.

### USER SAFETY



#### WARNINGS:

- Only trained and experienced healthcare professionals should use this equipment. Before using any system component, or any component compatible with this assistant, read and understand the instructions. Become familiar with the assistant components prior to use.
- Upon initial receipt and before each use, operate the equipment and inspect each component for damage. DO NOT use any component if damage is apparent. See the care / cleaning instructions section.

NOTE: If you need more information:

Phone: +49 (0)341 47 83 97 32

Mail: support@phacon.de



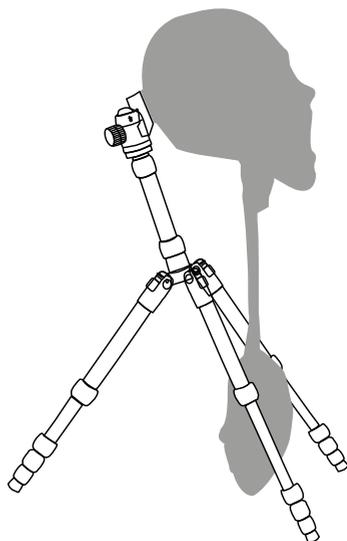
#### OTHER GENERAL WARNINGS

Always use your surgical instruments according to the intended use of the manufacturer.

#### Cases and packaging

##### WARNINGS:

The suitcase and the packaging foils are not toys and not suitable for children. There is a risk of suffocation! The packaging material is not suitable for eating. Packaging waste is not to be disposed of via normal household waste. Please think about your environment. Please do not use any liquid food or drink during use.



### Tripod:

Set up the tripod using the instructions in the carrying bag.

### Attention:

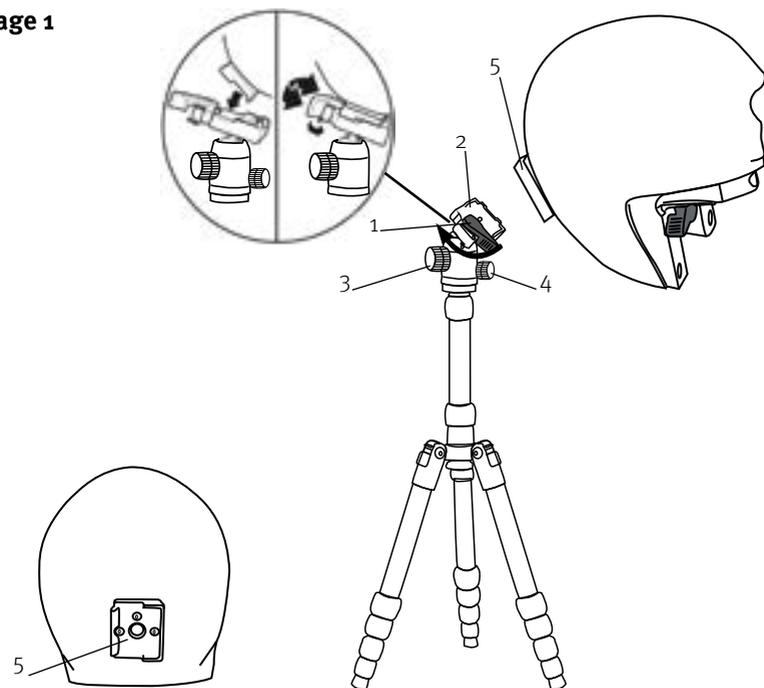
To ensure that the tripod has a firm stand, turn the stand legs together firmly.

### TIP

Position the two front tripod legs parallel to each other and the rear tripod leg in the middle to ensure that the model stands securely and to avoid tipping. Ideally, the stomach should lie between the front tripod legs (see example picture).

## INSTRUCTIONS

Image 1



#### 1. Locking lever

Release to attach the head.

#### 2. Mounting plate base

Slide the head plate into the base for fastening.

#### 3. Ball head angle knob

For adjusting the head position. Tighten to lock the head.

#### 4. Panning tension knob

Loosen it to allow the tripod head to rotate 360°.

#### 5. Head plate

The mounting plate is located at the back of the Throat Assistant Head.

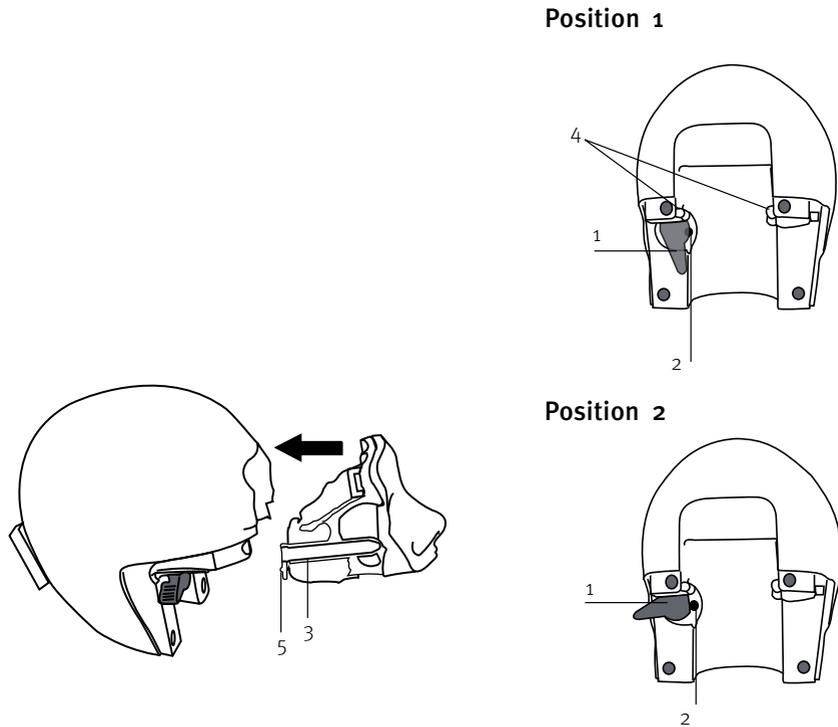
### Attaching the head to the tripod 1.

Turn the locking lever on the mounting plate base of the stand to the left.

Slide in the plate of the head.

Close the locking lever of the mounting plate to the right.

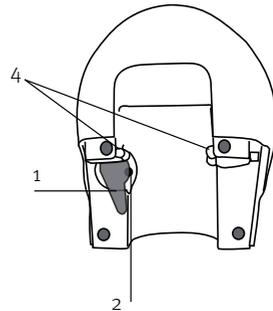
## INSTRUCTIONS



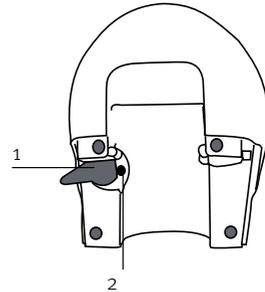
### *Sinus Patient „Meyer“* Insert in the head model

Remove the PHACON Sinus Patient „Meyer“ carefully from the protective foil. Make sure that the PHACON Throat Assistant Head is attached to the tripod. Move the locking lever to position 2. Guide the PHACON Sinus Patient „Meyer“ into the slide-in rails provided for this purpose on the PHACON Throat Assistant Head until it engages. The locking lever automatically returns to position 1 during this step.

Position 1



Position 2



#### 1. Locking lever

Move to position 2 for attaching and removing the patient. To fix the patient back in position 1.

#### 2. Locking button

Holds the position of the lever. So that the patient can be inserted.

#### 3. Rails

The patient's splint is inserted into the appropriate splint holder of the head.

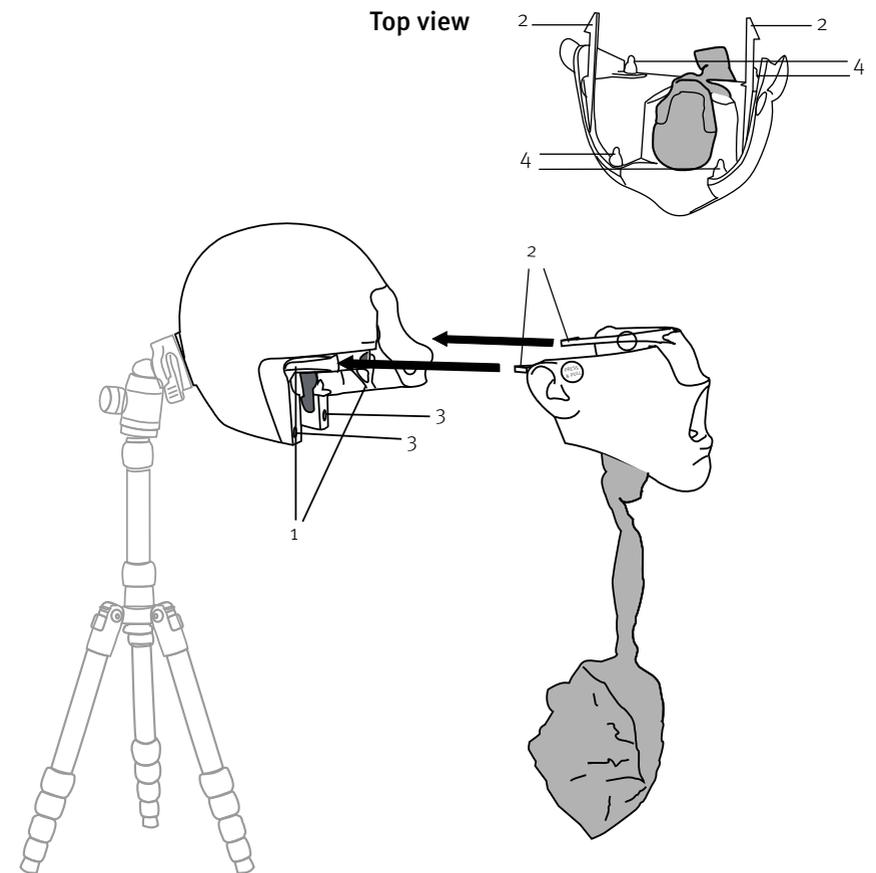
#### 4. Slide-in rail

The patient's splint is pushed in here until it clicks into place.

#### 5. Unlocking pin

The pin actuates the locking button.

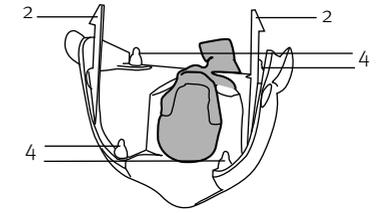
## INSTRUCTIONS



### *Throat Patient „Peters“* Insert in the head model

Remove the PHACON Sinus Patient „Peters“ carefully from the protective foil. Make sure that the PHACON Throat Assistant Head is attached to the stativ. Guide the PHACON Sinus Patient „Peters“ into the slide-in rails provided for this purpose on the PHACON Throat Assistant Head until it snaps in.

Top view



#### 1. Slide-in rail

The patient's splint is pushed in here until it snaps into place.

#### 2. Splints

The patient's splint is inserted into the appropriate splint holder of the head.

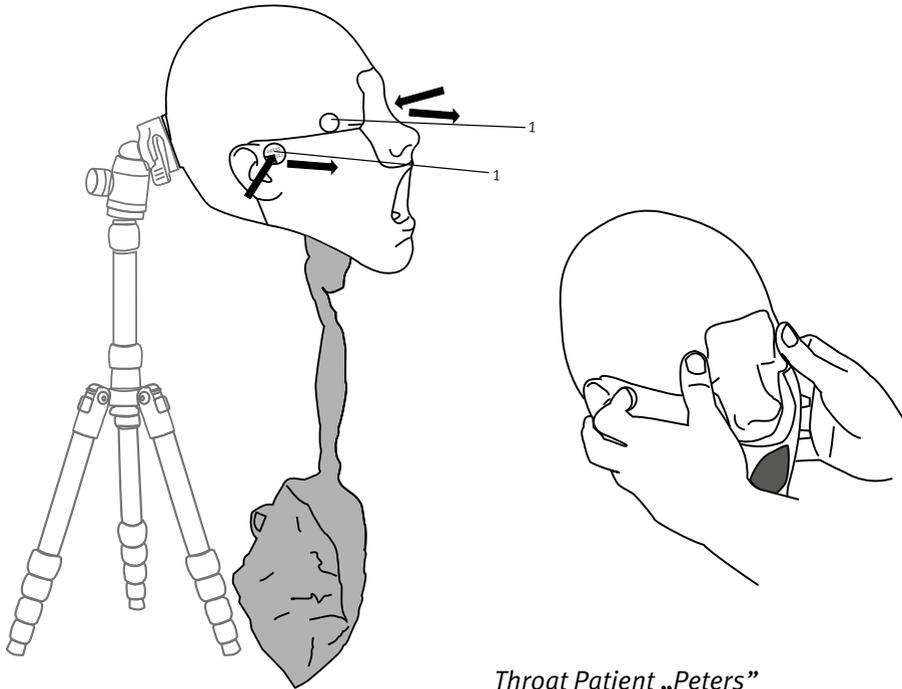
#### 3. Positioning holes

The positioning cones of the head are inserted here.

#### 4. Positioning cone

For holding the patient on the head.

## INSTRUCTIONS



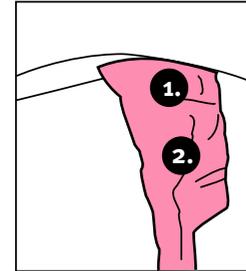
### *Throat Patient „Peters”* Removal from the head model

Make sure that the PHACON Throat Assistant Head is attached to the tripod. Position both thumbs on the right and left side of the eyes of the head model (see example picture). Position both index fingers on the right and left „Press- & Pull“ - button. The remaining fingers hold the lower jaw firmly. Press the „Press & Pull“ buttons carefully and pull the patient „Peters“ towards you.

#### 1. Press & pull button

To release the patient from the head, the Press & Pull buttons are located on both sides in front of the ears.

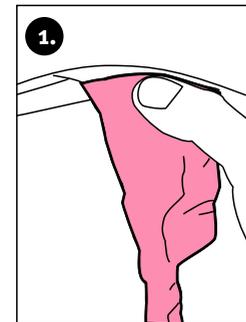
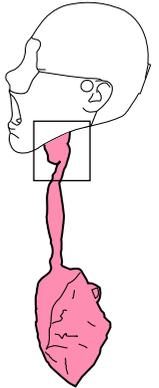
## THROAT ASSISTANT FUNCTION



### Pressure points:

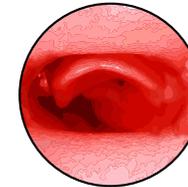
For the functions of the Throat Assistant you have to consider the following points:

1. the swallowing movement of the epiglottis
2. the vocal fold movement

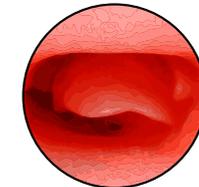


### Epiglottis:

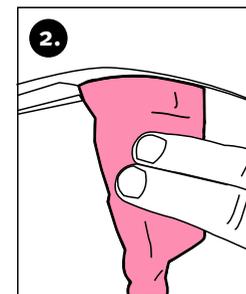
1. To close the epiglottis, press point 1 carefully together from both sides with your thumb and index finger.



View from inside  
**Epiglottis open**

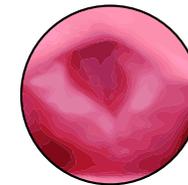


View from inside  
**Epiglottis closed**

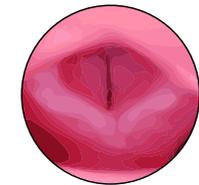


### Vocal folds:

2. To open and close the vocal folds, squeeze the model at point 2 with thumb, index and middle finger from both sides.



View from inside  
**Vocal folds closed**



View from inside  
**Vocal folds open**

## PACKING INSTRUCTIONS

### PHACON THROAT ASSISTANT - TRANSPORT CASE

1. First place the brochure in the recess
2. Remove the patient „Peters“ and the patient „Meyer“ from the head model and set them aside. Now pack the head model with the supplied zip-protection bag and put the head into the transport case as shown in the picture, so that the missing lower jaw leaves room to accommodate the tripod (in its transport bag).
3. Carefully pack the patient „Meyer“ in the zip protection bag and position it on the left side above the tripod in the transport case.
4. Now carefully fold the stomach of patient „Peters“ and pack it in the zip-protective bag as well. Now position the model in the middle with the stomach down between patient „Meyer“ and the head model so that the jaw with the mouth opening faces the patient „Meyer“. The head lies with the forehead between the two ears of patient „Peters“. The head lies with the forehead between the two ears of patient „Peters“
5. Finally, place the foam to protect the contents on the models so that the recess shows the head model. Close the case carefully and lock it.



## CARE / CLEANING INSTRUCTIONS

### PHACON THROAT ASSISTANT

#### Recommended cleaning agents:

- NIGRIN 72241 HyBrid Silicone lubricant spray
- Microfibre cloth (lint-free)



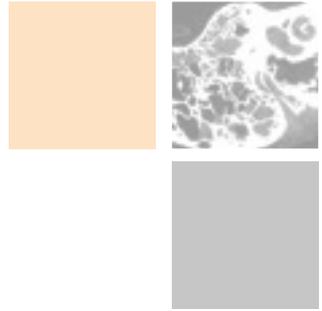
#### CLEANING PHACON SINUS PATIENT „PETERS“

1. protect the area which is not to be cleaned (tripod and head model) or remove the PHACON patient „Peters“ before the cleaning process.
2. spray the model carefully with the cleaning agent and let it act for a short time. External: Clean the model carefully with a microfibre cloth (absolutely lint-free!) by dabbing and stroking movements.
4. internally: Place a collecting container, ideally lined with paper towels, under an open stomach so that the liquid can be collected. Spray the silicone spray once in the nose and once in the mouth opening for about 15-20 seconds at a time in order to completely „rinse“ the model and to remove any dirt completely.

#### TIP!

In order to make the model durable, please store it in the OVP (zip bag) supplied when not in use to protect it from external influences/dust.

The regular use of the silicone spray for maintenance will protect the model from Porosity. Please do not clean the model with tap water, as this will damage the can influence bone-like material on the sinus model. If you have any questions, please do not hesitate to contact us at: [support@phacon.de](mailto:support@phacon.de)



# THE PATIENTS FOR YOUR SURGICAL DEMONSTRATION AND EDUCATION

## EUROPE

---

### **PHACON GmbH**

Druckereistrasse 11  
04159 Leipzig  
Germany

[www.phacon.de](http://www.phacon.de)

Phone: +49. (0)3 41. 47 83 97 32  
Fax: +49. (0)3 41. 47 83 91 74  
Mail: [info@phacon.de](mailto:info@phacon.de)

## USA

---

### **PHACON Inc.**

4470 Chamblee-Dunwoody Rd. /// Suite 463  
Dunwoody /// GA 30338 /// USA

[www.phacon.us](http://www.phacon.us)

Phone: 1-833-2 PHACON  
- 2 742266  
Fax: 470-243-0494  
Mail: [info@phacon.us](mailto:info@phacon.us)