

Realistic Simulator

Benign Prostatic Hyperplasia Treatment Training Model

For mechanical lifting of prostate, TURP, and enucleation

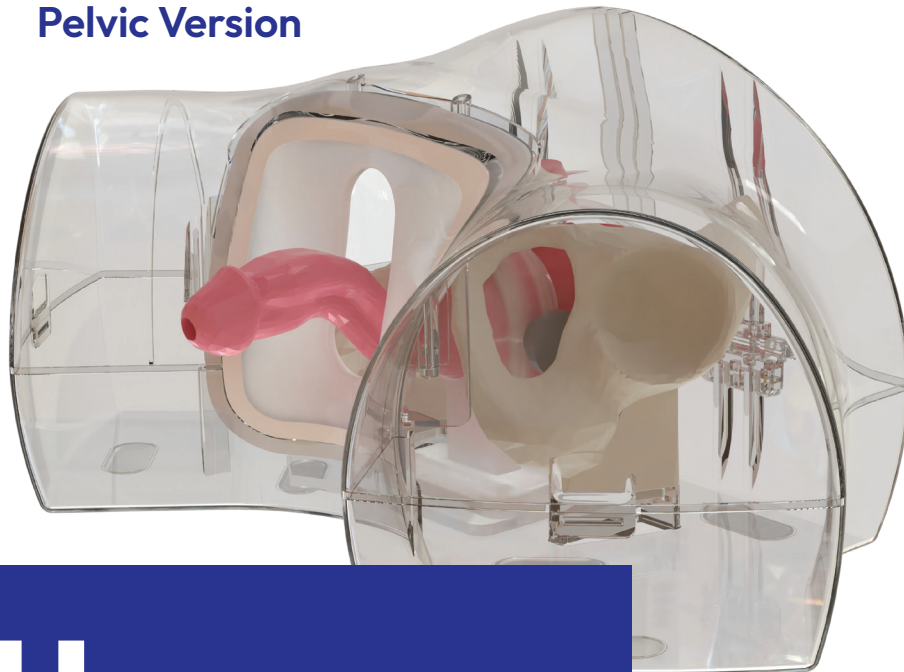
- BPH Simulator (enucleation, TURP)
- UROLIFT® Simulator

Website: www.aldaver.co.kr
Email: official@aldaver.co.kr

Compact Version



Pelvic Version



BPH Simulator

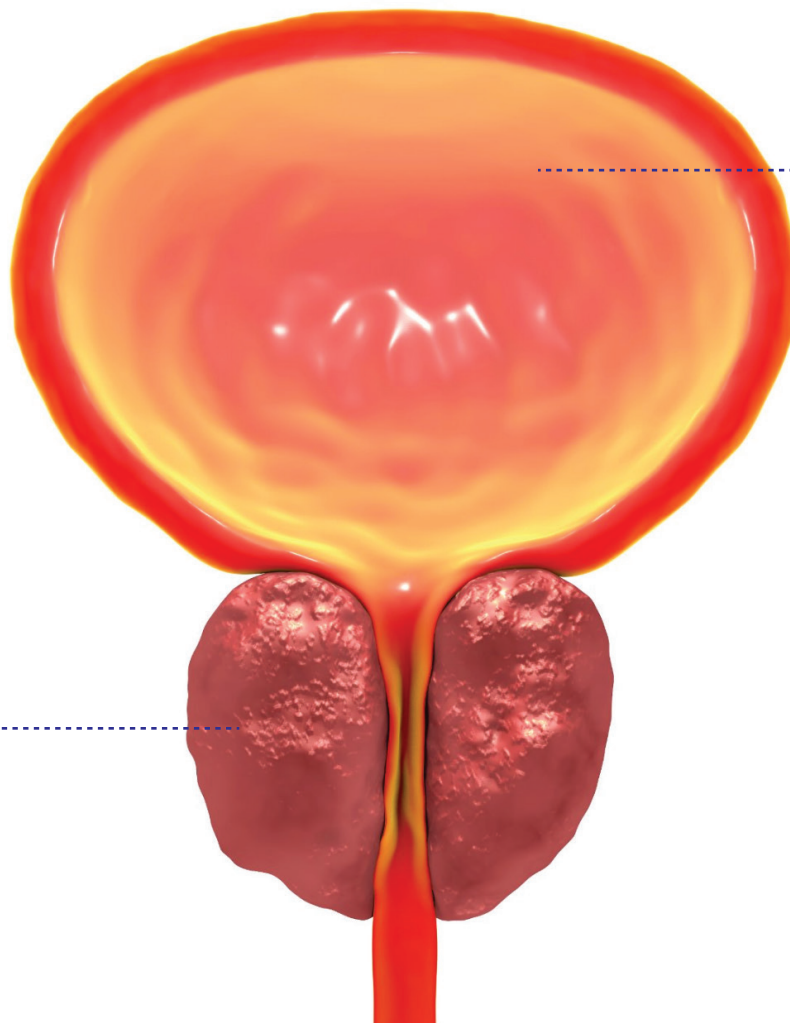
Benign prostatic hyperplasia

BPH Simulator

Introduction

Benign prostatic hyperplasia (BPH) is a common condition worldwide, occurring in about 50 % of men in their 50's. Despite the importance of treating BPH, there is currently a lack of clinically accurate training models.

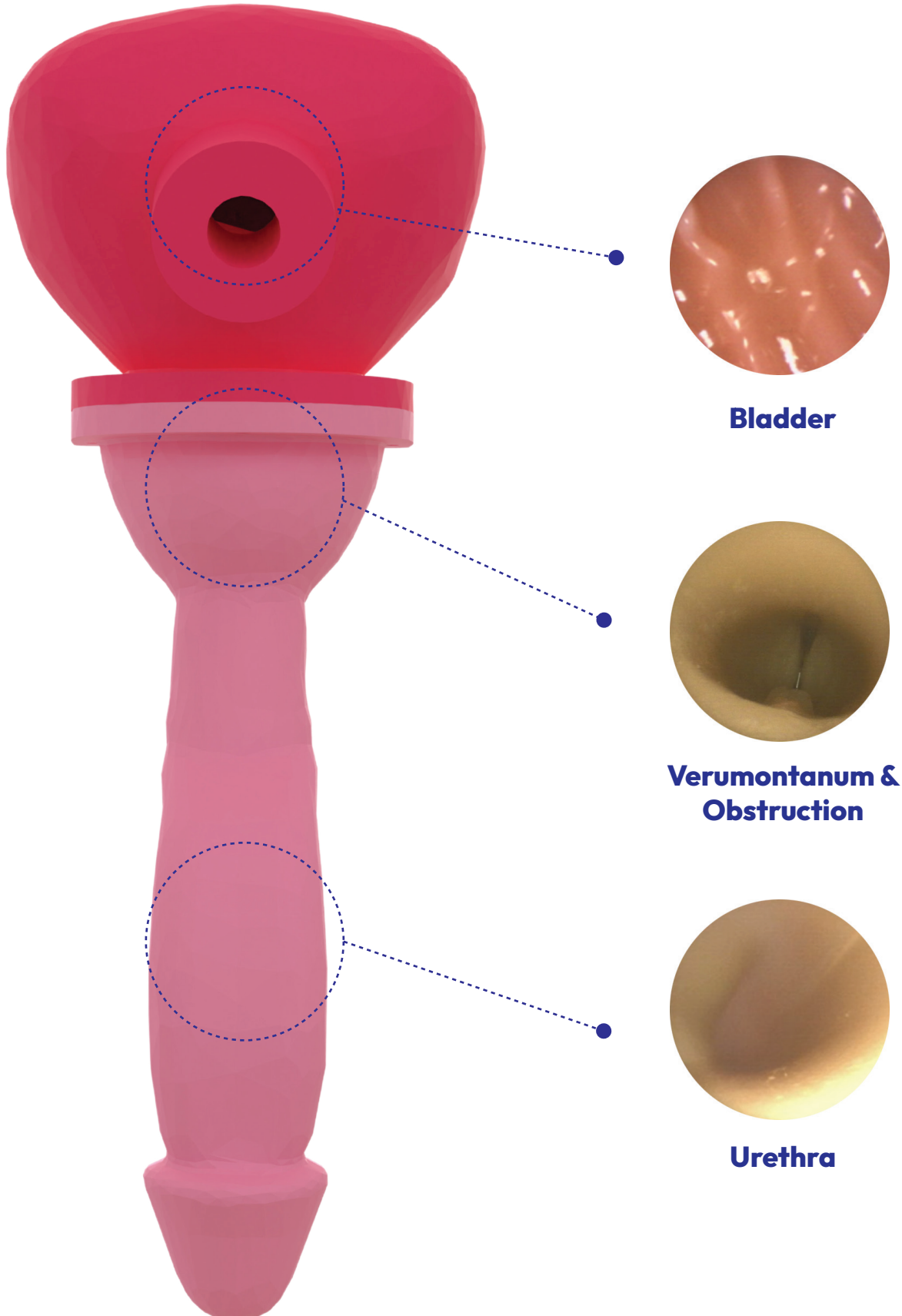
ALDAVER offers the most realistic simulator for the training of various BPH treatments such as TURP, and enucleation (e.g. HoLEP). Enabled by our patented tissue-like materials technology and 3D architecturing, our simulator accurately represents the urinary tract and provides a truly life-like surgical experience.



The anatomy of the prostate and bladder can be modified to simulate a variety of patient cases with varying levels of difficulty.

Various procedures can be applied to the prostate model, such as enucleation, mechanical lifting, and electro-surgery.

Endoscopic Image

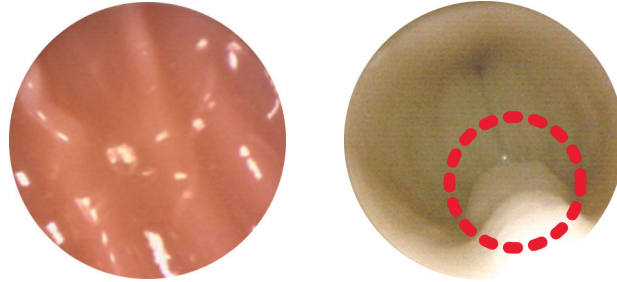


Enucleation Simulator

Technical Characteristics

1

Realistic Endoscopic Imaging

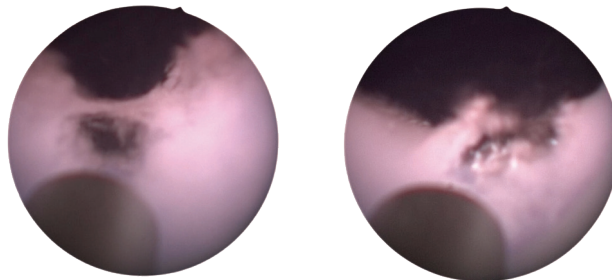


Endoscopic Image of ALDAVER's BPH Model

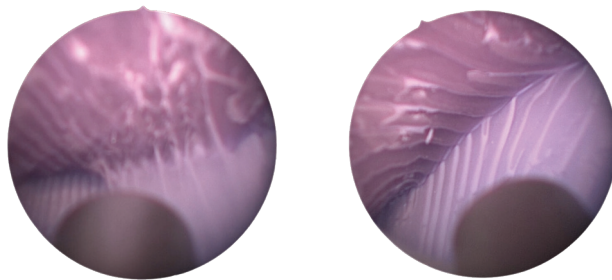
Our organ model has the anatomical structure of real human organs, providing realistic endoscopic training.

2

Technical Features



Laser-Tissue Interaction



Tactile Feedback

Adenoma
(median-lateral lobe)



Accurate Anatomy

This prostate model replicates the properties of the actual human prostate, making it ideal for simulating Enucleation techniques. It provides a realistic environment for practicing precise procedures using laser technology.

Technical Characteristics

3

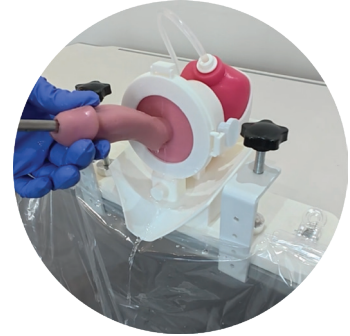
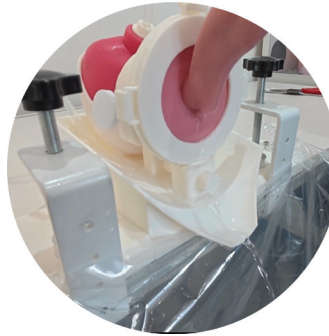
Enhanced Usability



Pelvic Kit Box



Compact Kit Box



Various Kit Boxes with Enhanced Irrigation Control

We provide both compact and pelvic kit box versions for our BPH model, so customers can select based on their needs - either enhanced visual presentation or compact design for convenient carrying. Both configurations deliver superior water control that mimics authentic surgical irrigation without creating floor mess, while maintaining an unobtrusive design that preserves full surgeon mobility throughout procedures.

4

Custom Options



Various prostate size options: (Left) Basic, (Middle) 80g and (Right) 100g

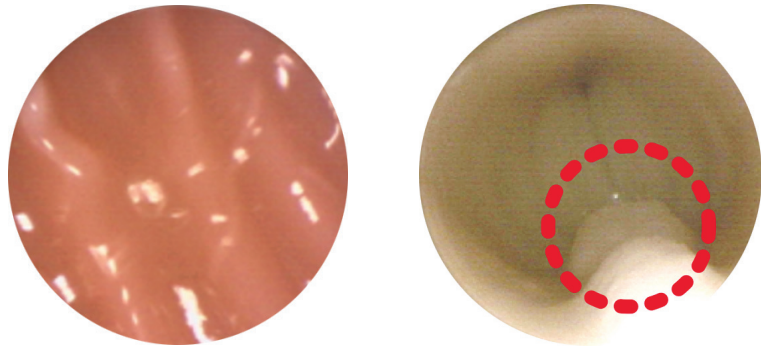
We provide extensive customization options including various prostate sizes ranging from 60g to 100g, as well as customizable adenoma colors and other anatomical features to match specific training scenarios and patient cases.

TURP Simulator

Technical Characteristics

1

Realistic Endoscopic Imaging

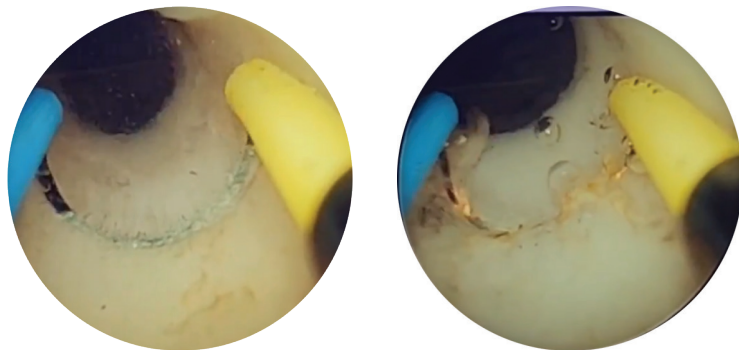


Endoscopic Image of ALDAVER's BPH Model

Our organ model has the anatomical structure of real human organs, providing realistic endoscopic training.

2

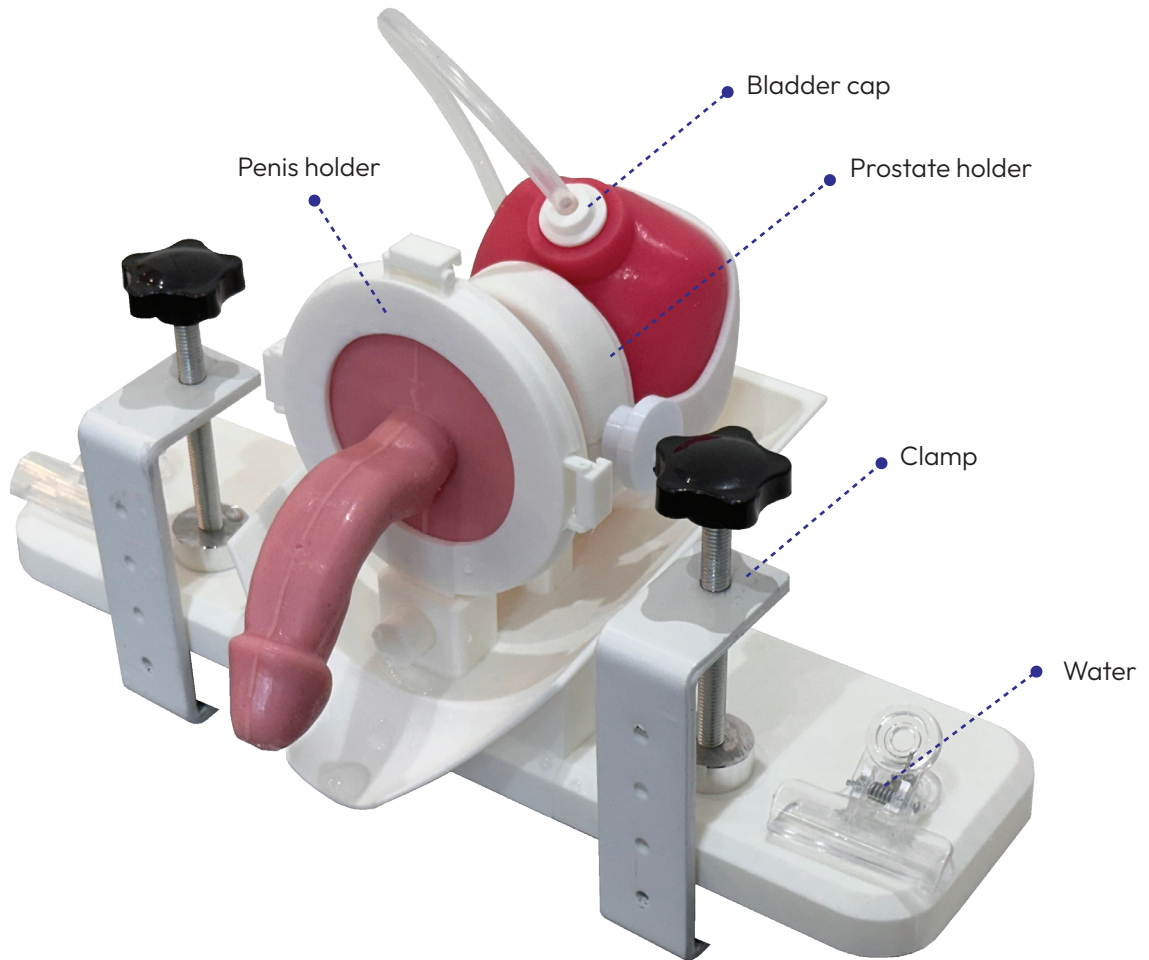
Technical Features



Electrocautery-Tissue Response

This prostate model accurately replicates the properties of the human prostate, providing a realistic environment for practicing precise TURP procedures using electrocautery.

Components (Compact)



Specification

*The weight and size are per unit



Prostate
(1 ea)

60*160*50 mm
140 g



Bladder
(1 ea)

75*65*90 mm
160 g



Kit box
(1 ea)

330*170*160 mm
400 g



Clamp
(2 ea)

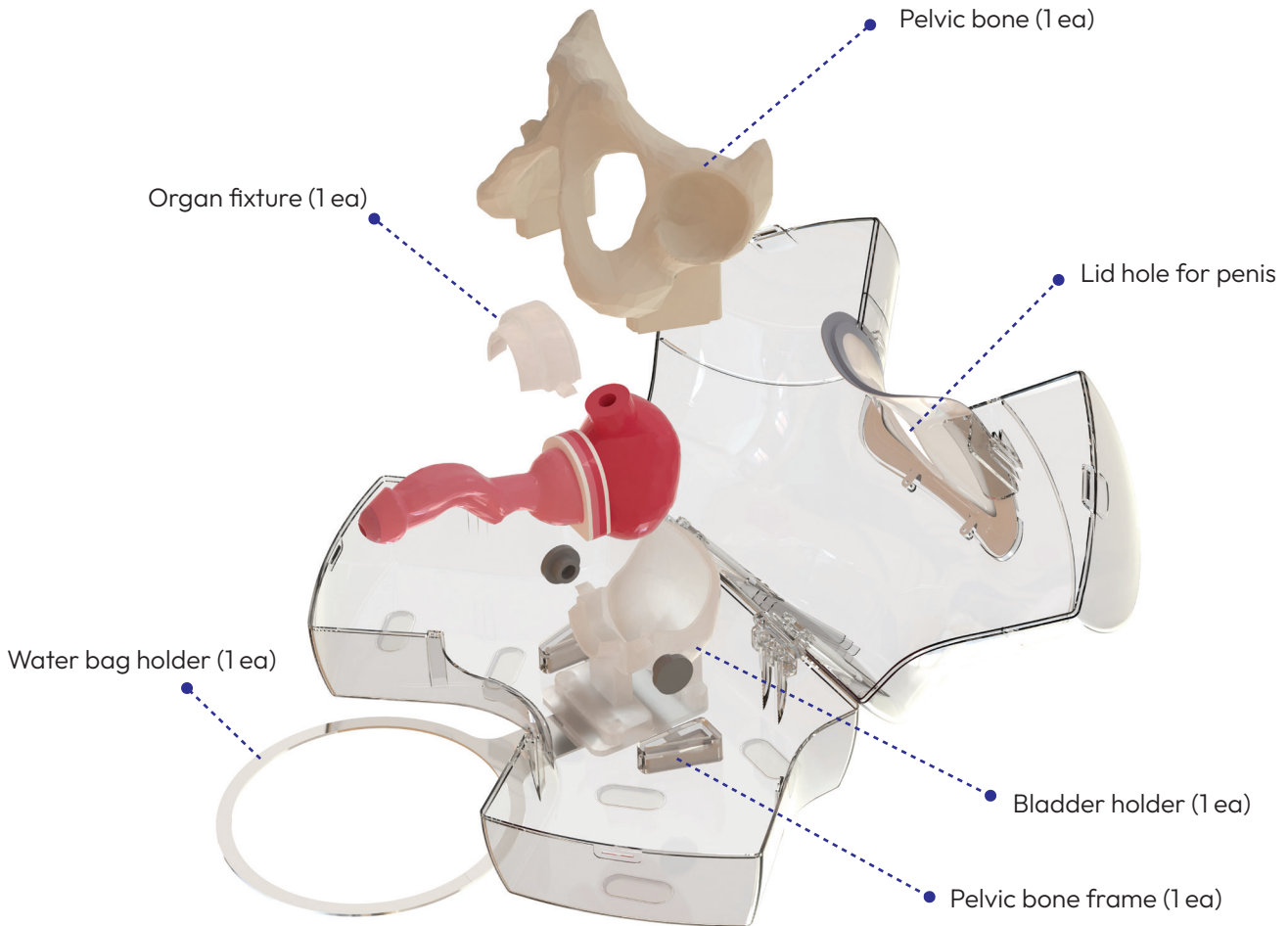


Water bag
(1 ea)



Drain bag
(1 ea)

Components (Pelvic)



Specification

*The weight and size are per unit



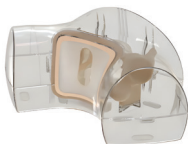
Prostate
(1 ea)

60*160*50 mm
140 g



Bladder
(1 ea)

75*65*90 mm
160 g



Kit box
(1 ea)

490*260*210 mm
1.44 kg



Pelvic bone
(1 ea)

225*115*150 mm
250 g

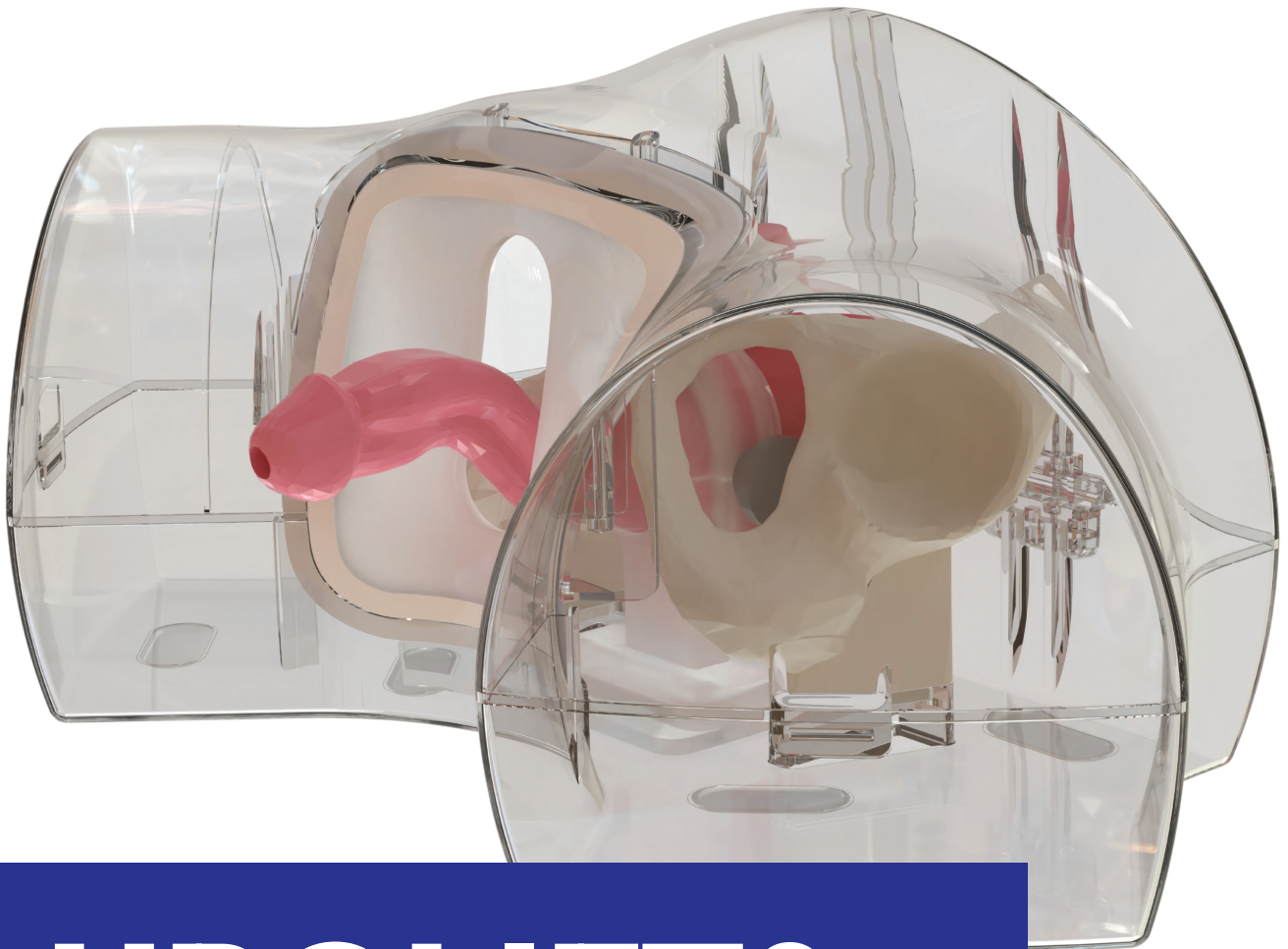


**Water bag holder
& Water bag**
(1 ea)



Drain bag
(1 ea)

545*452*240 mm
14 kg



UROLIFT® Simulator

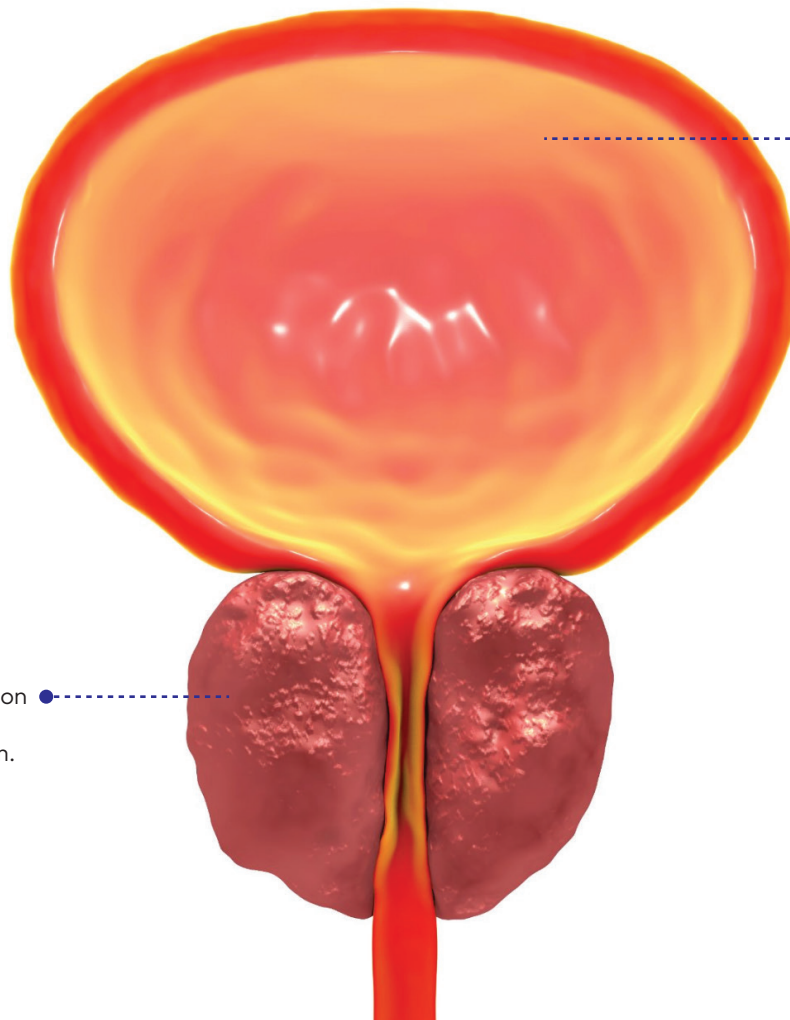
For the UROLIFT® system

UROLIFT® Simulator

Introduction

Benign prostatic hyperplasia (BPH) is a common condition worldwide, occurring in about 50 % of men in their 50's. Despite the importance of treating BPH, there is currently a lack of clinically accurate training models.

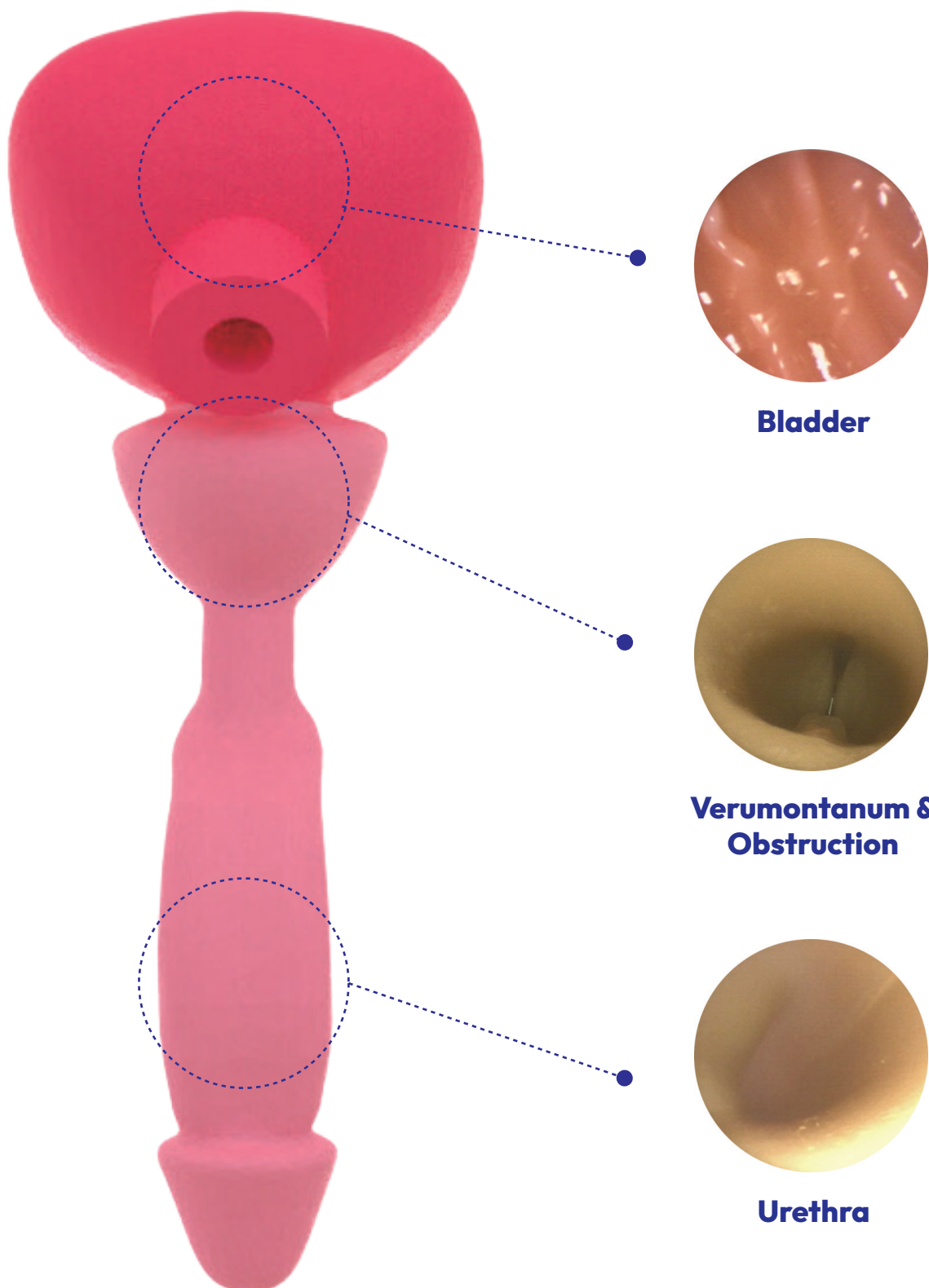
ALDAVER provides the most realistic simulator specifically designed for UROLIFT® training, offering a realistic and hands-on experience to master this advanced BPH treatment technique. Built on our patented tissue-mimicking material technology and 3D architecture, the simulator accurately replicates the urethral anatomy, delivering a highly lifelike surgical experience tailored for UROLIFT® training.



The anatomy of the prostate and bladder can be modified to simulate a variety of patient cases with varying levels of difficulty.

The prostate model is specifically designed for UROLIFT® training, enabling precise simulation of BPH treatment using the UroLift® system.

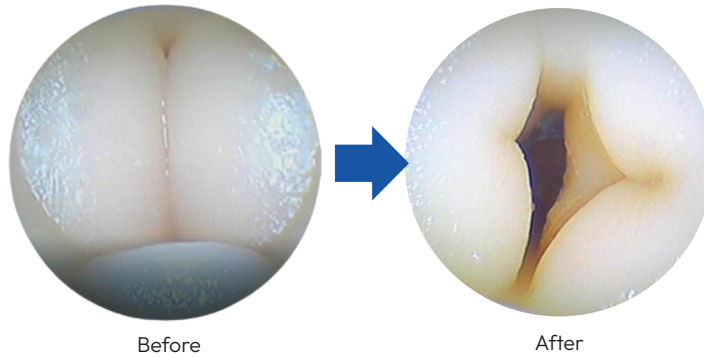
Endoscopic Image



Technical Characteristics

1

Technical Features

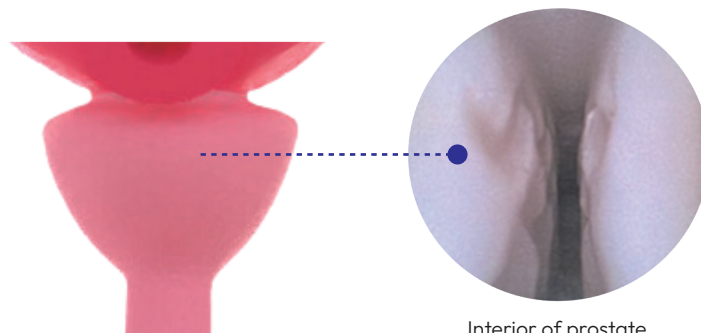


Before

After

Successful and Accurate Shooting Education

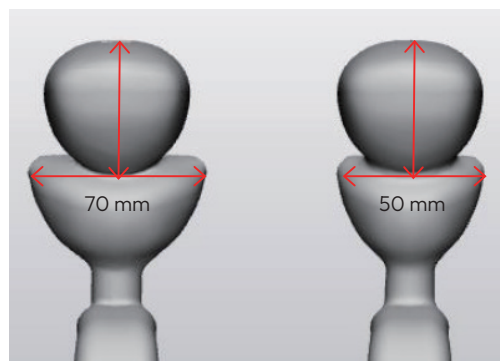
Perfectly recreated pelvic anatomy



Interior of prostate

Obstruction Indicator

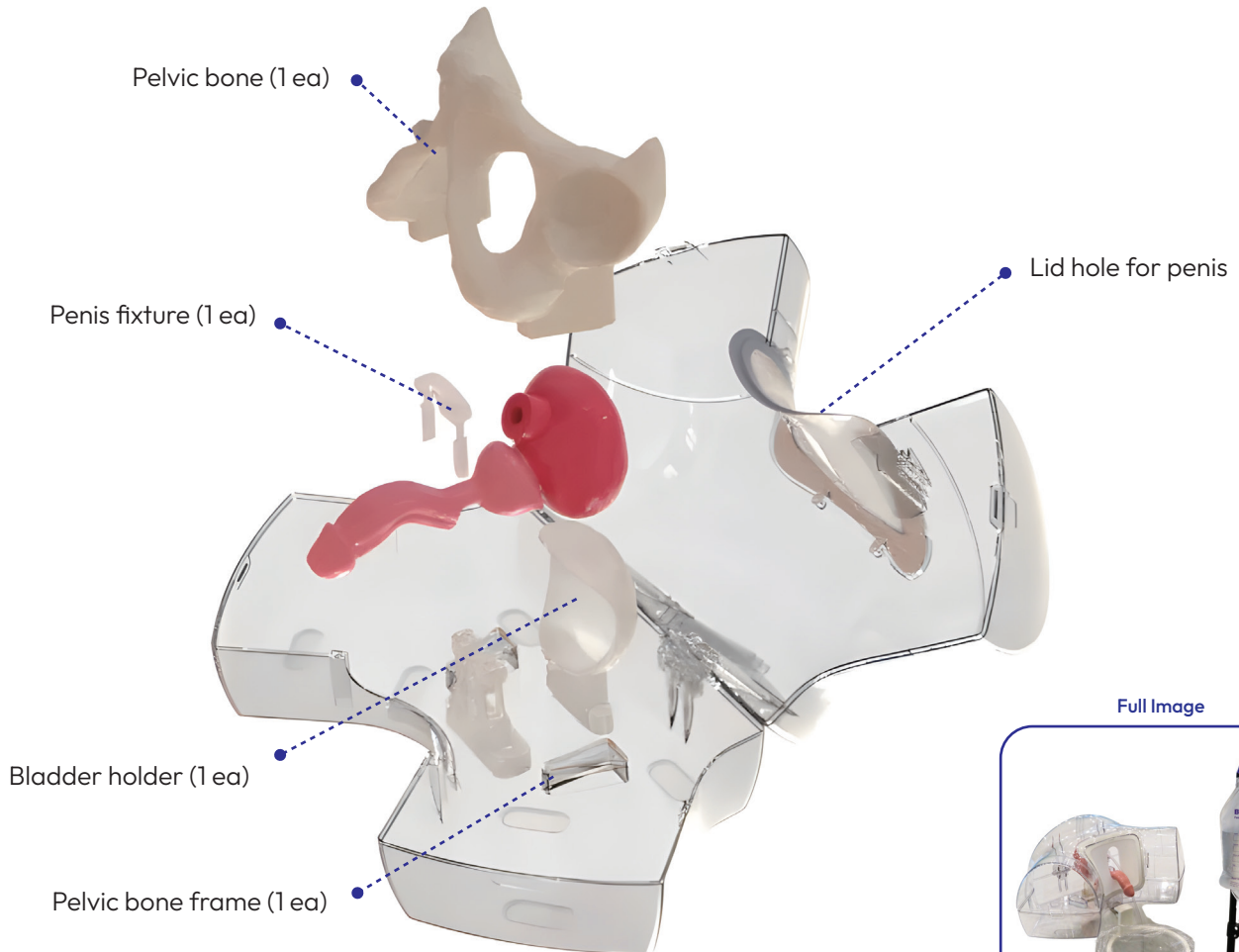
Obstruction indicator for training accurate shooting position



Customizable Organ

Capable of training for various surgical cases (appearance, structure, material properties)

Components



Full Image



Specification

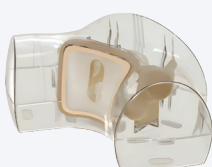
*The weight and size are per unit

Kit box components



BPH organ
(1 ea)

80*235*75 mm
320 g



Kit box
(1 ea)

490*260*210 mm
1.44 kg



Pelvic bone
(1 ea)

225*115*150 mm
250 g



**Water Bag Holder
& Water Bag**
(1 ea)



Irrigation Bag
(1 ea)



Irrigation Stand
(1 ea)

Contact Us

Website



Email



LinkedIn



Instagram

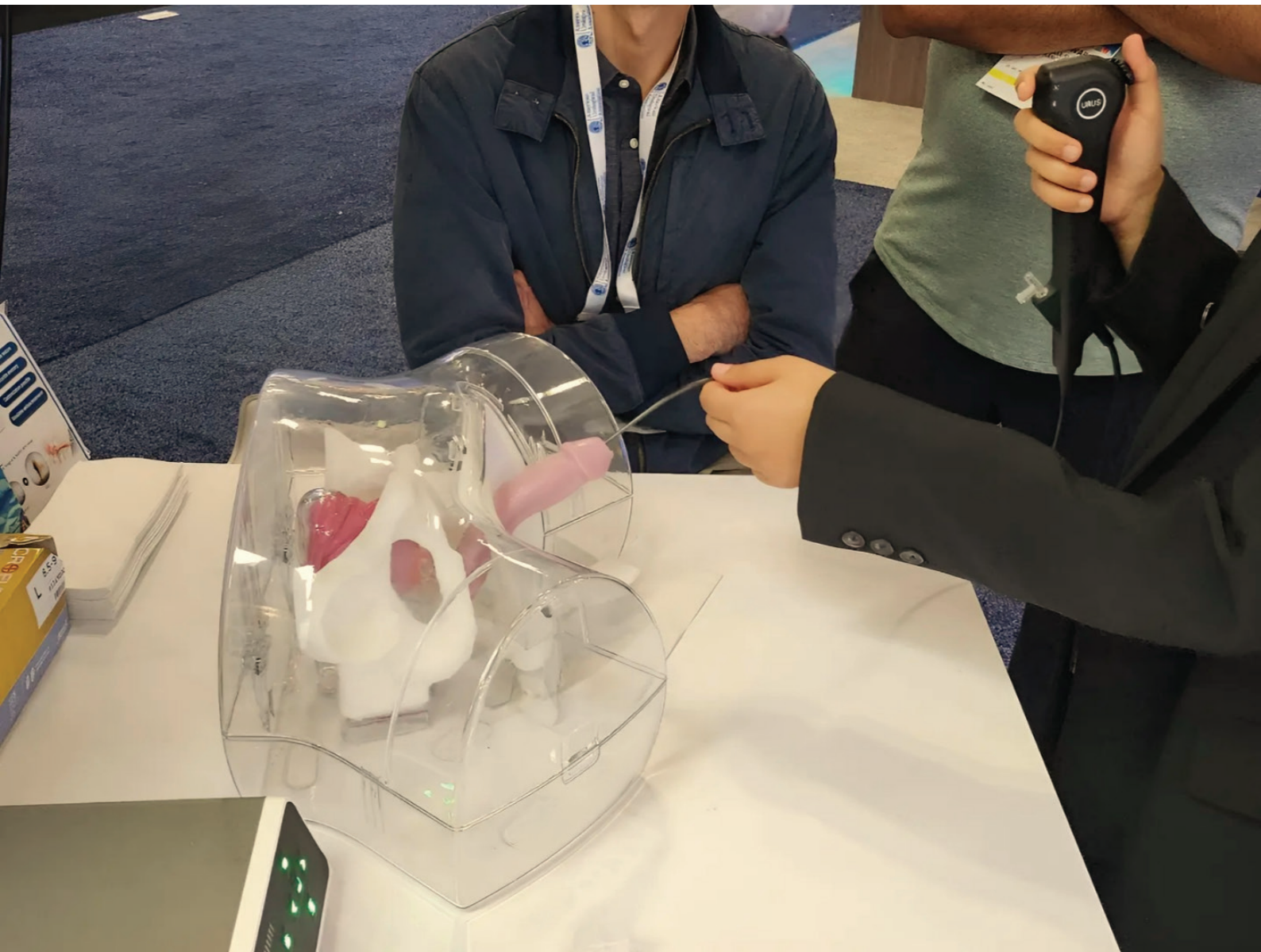


Youtube



Facebook





AUA 2024 exhibition image

Innovation in medical technology begins with ALDAVER