Urology products

Realistic Simulator

Kidney Stone Removal Training Model

For RIRS, PCNL and ECIRS

- RIRS Simulator
- ECIRS/PCNL Simulator

Website: www.aldaver.co.kr
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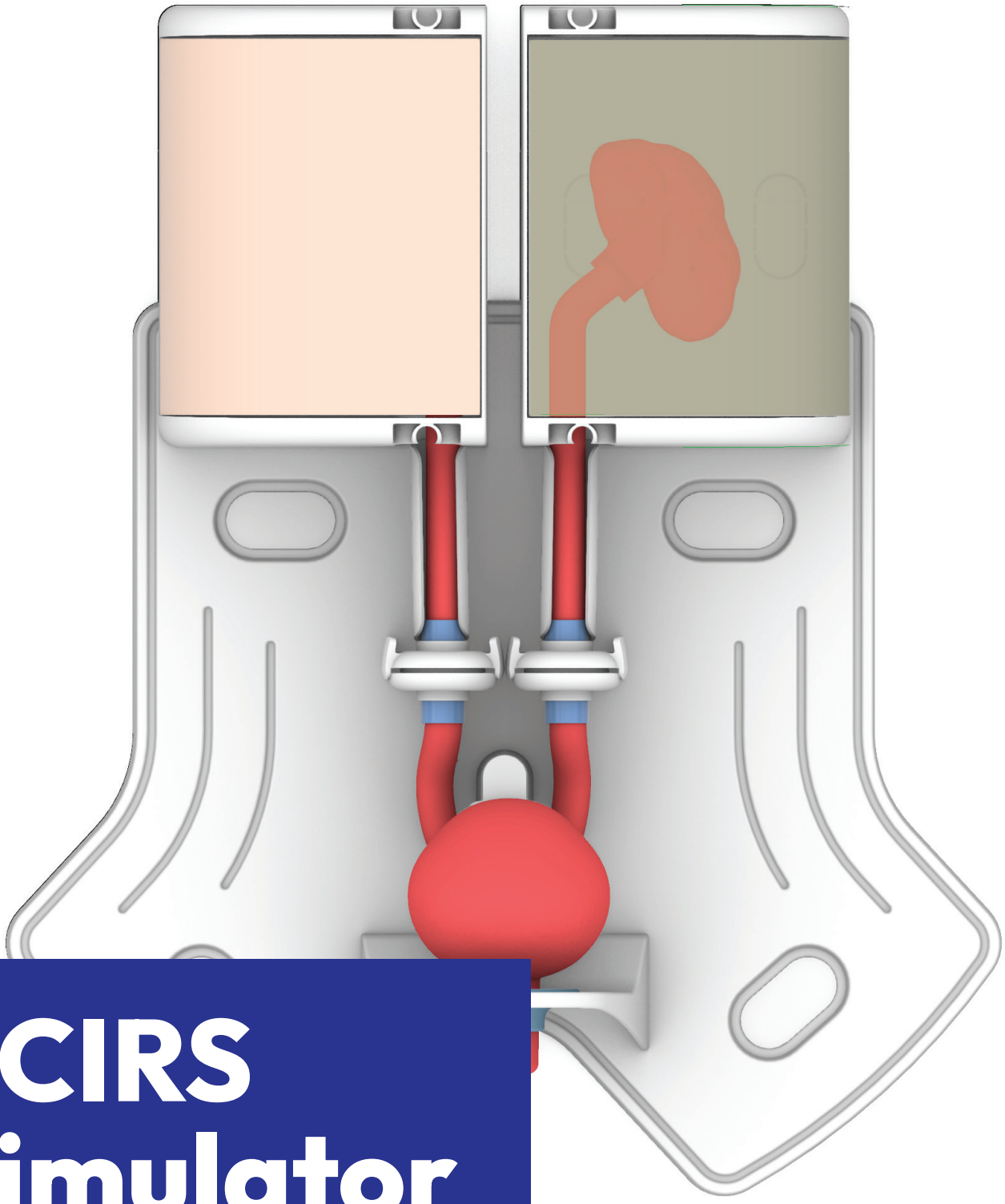
ALDAVER



ECIRS Simulator

Endoscopic combined intrarenal surgery

ALDAVER

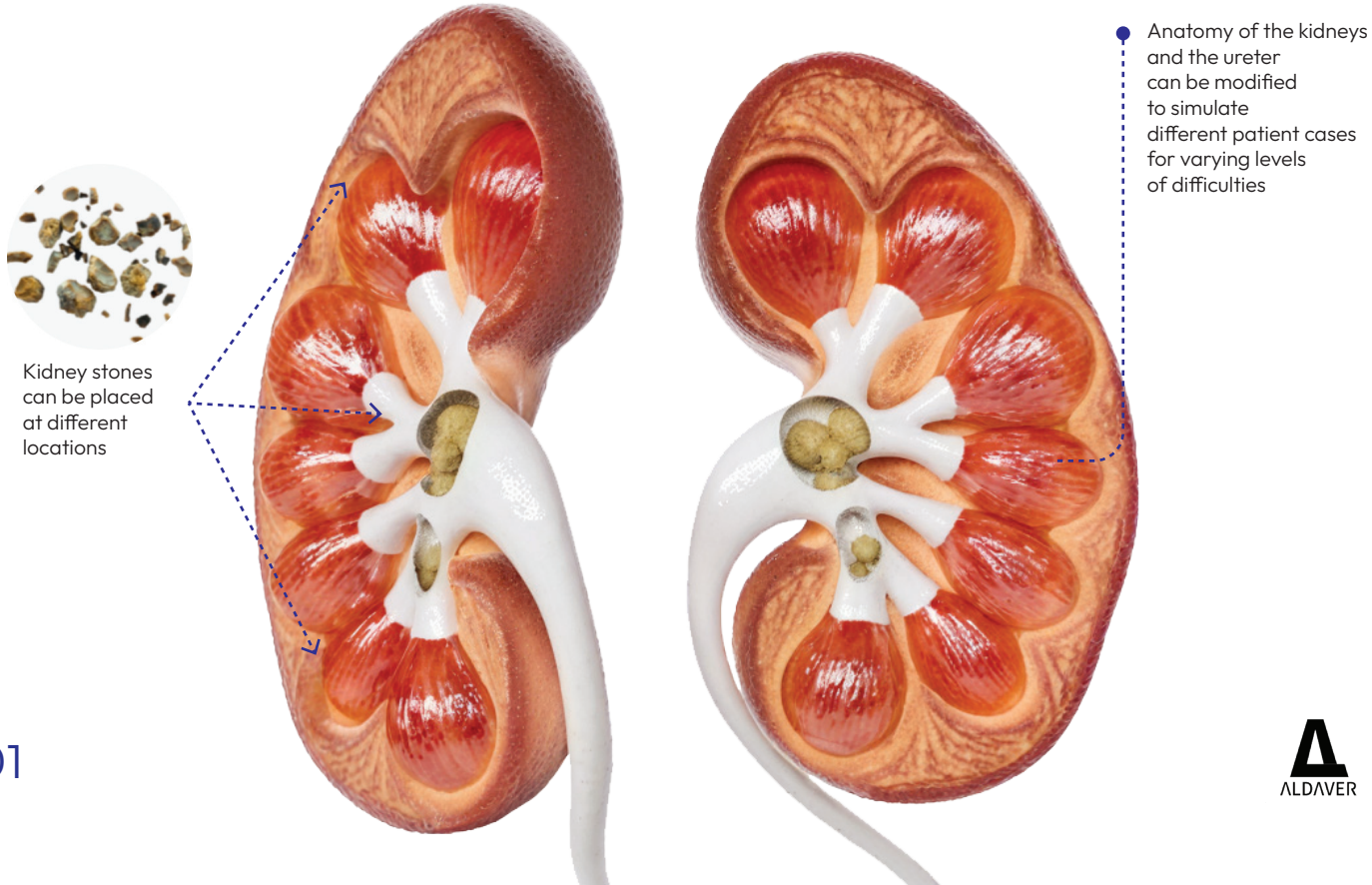
ECIRS Simulator

Introduction

Nephrolithiasis is a common condition worldwide, occurring in 52% of the population. Despite the importance of treating nephrolithiasis, there is currently a lack of clinically accurate training models.

ALDAVER offers the most realistic simulator for training of ECIRS. Enabled by our patented tissue-like materials technology and 3D architecturing, our simulator accurately represents the urinary tract and the posterior lumbar region, and provides a realistic tactile experience for both endoscopic and percutaneous access.

We also provide customizable patient positioning options to match real surgical scenarios, including both supine and prone positions. Additionally, our simulators can be configured with tilted positioning ranging from 20 to 45 degrees, allowing trainees to practice procedures under various anatomical orientations they'll encounter in clinical practice.



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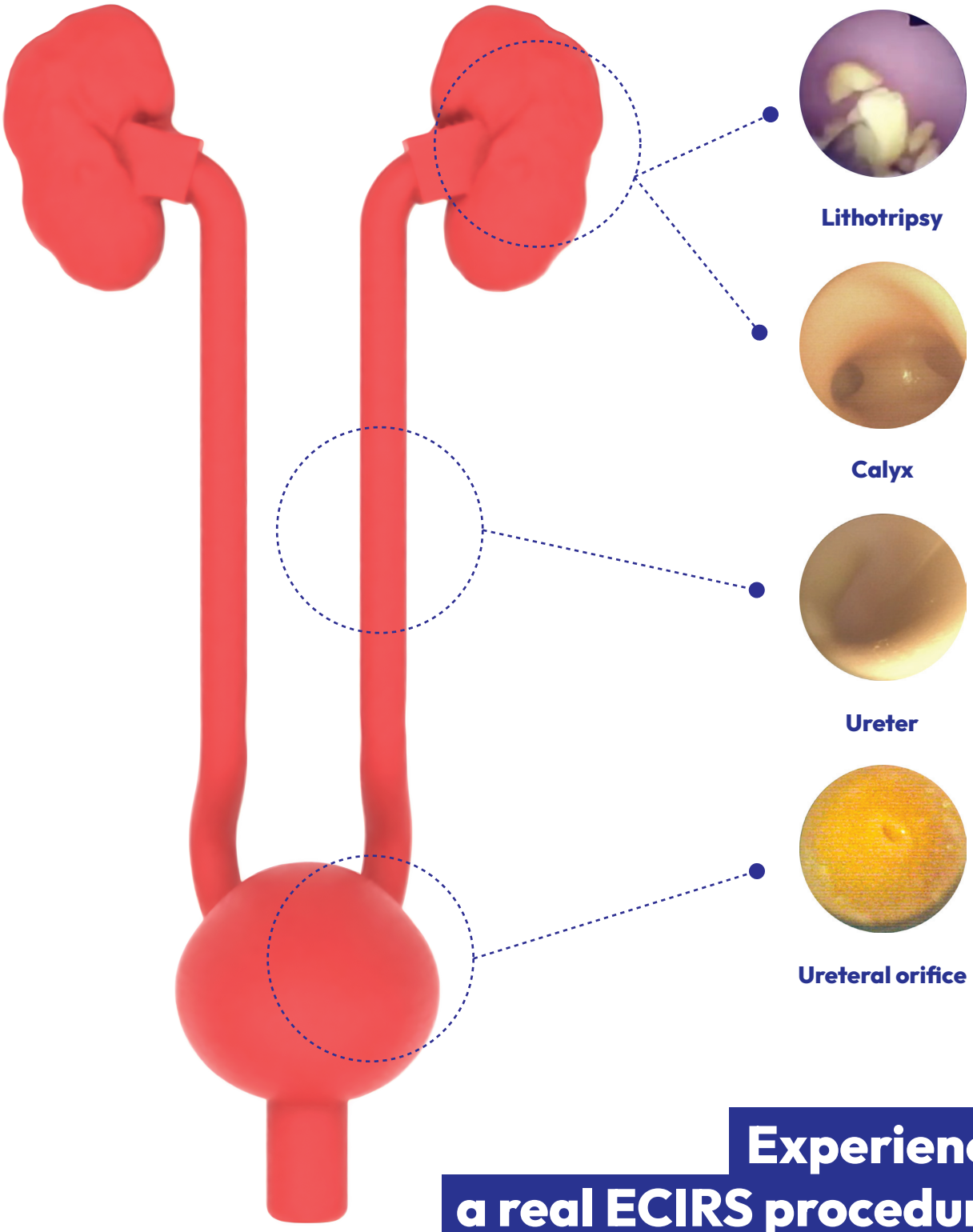
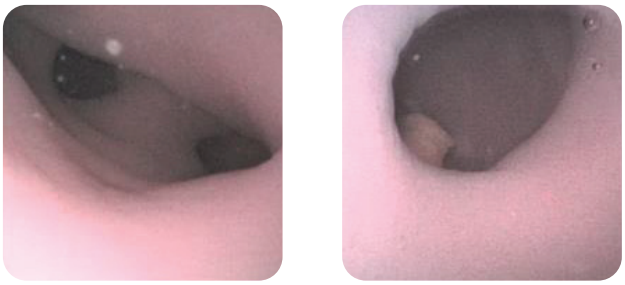
Endoscopic Image



Experience a real ECIRS procedure!

Technical Characteristics

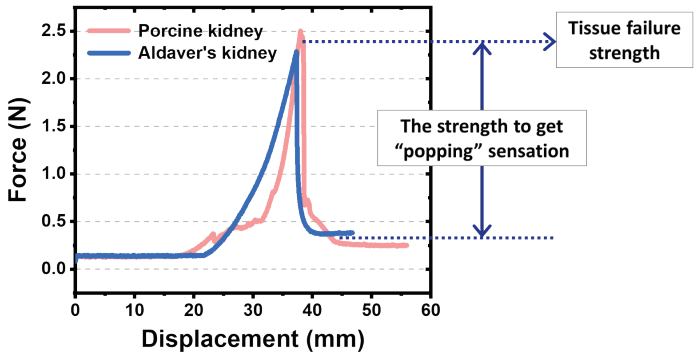
1 Realistic Endoscopic Imaging



Endoscopic Image of ALDAVER's Kidney Model

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

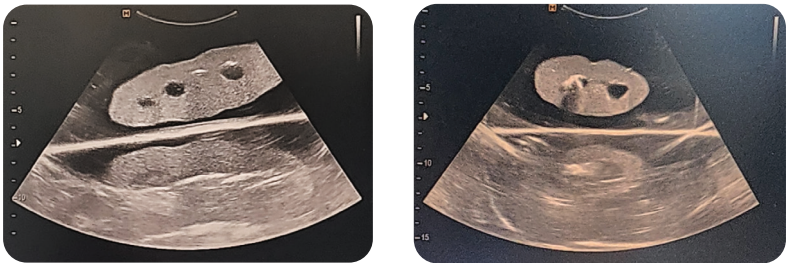
2 Realistic Calyx Puncture Feel



Force Response During Needle Puncture of Porcine Kidney and ALDAVER's Kidney

Our model provides a similar tactile experience as when puncturing a pig kidney, allowing a realistic percutaneous access training.

3 Realistic Ultrasound Imaging



Ultrasound Image of ALDAVER's Kidney Model

Realistic ultrasound imaging of our kidney and surrounding tissues allows effective training, including organ recognition, percutaneous accessing, and stone detection/removal.

ALDAVER

Technical Characteristics

4

Custom Options

PCNL supine 0' tilted

PCNL prone 0' tilted

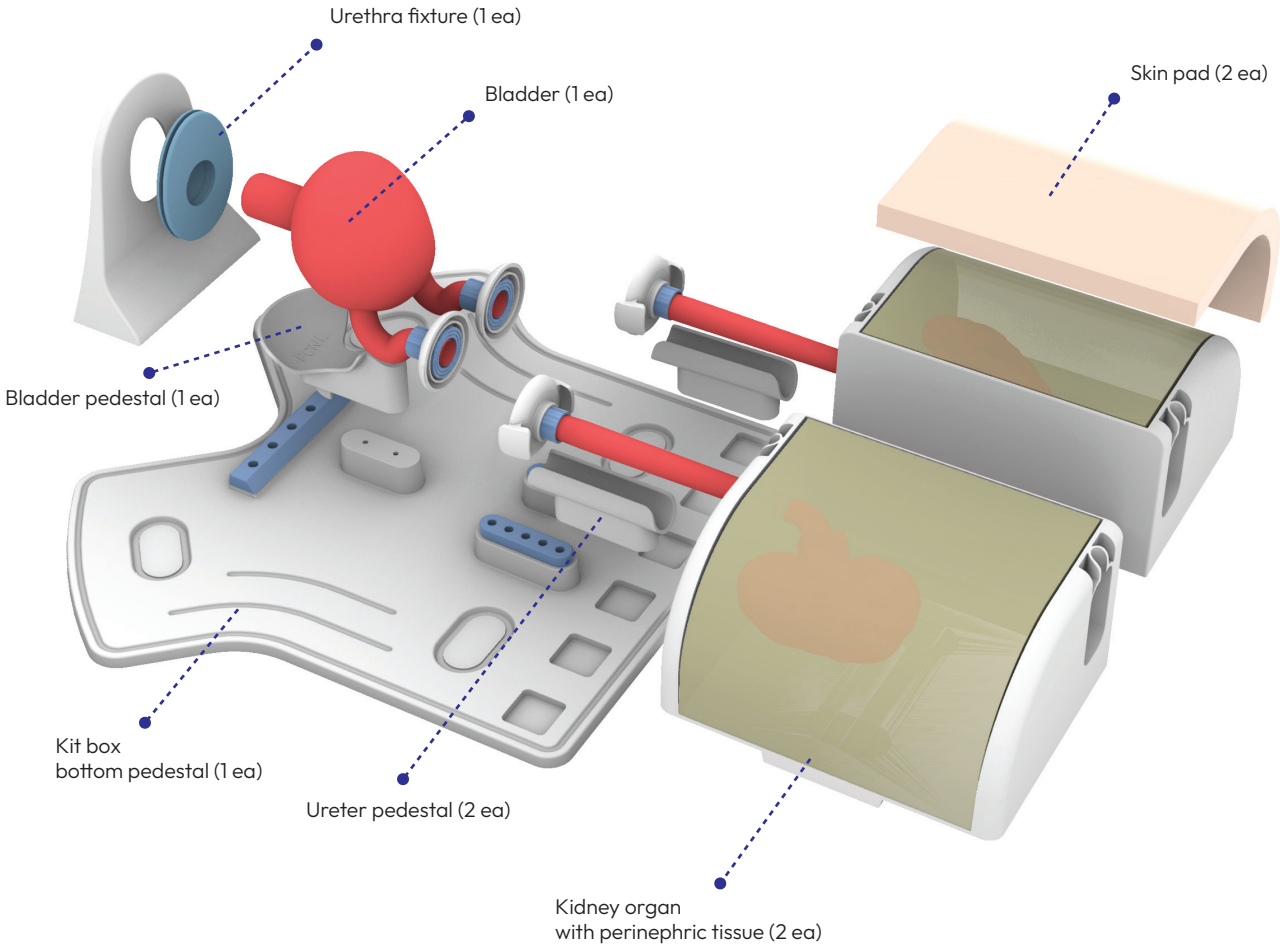
PCNL supine 20' tilted

PCNL prone 45' tilted

Customizable Patient Positioning Options

We offer multiple positioning options for PCNL/ECIRS training to replicate authentic surgical scenarios. While our standard model features supine positioning with no tilt, we provide various configurations including prone position, prone with 45-degree tilt, and supine with 20-degree tilt to match different clinical approaches.

Components



Specification

*The weight and size are per unit

Bladder organ
(1 ea)

78*220*115 mm
270 g

PCNL
(2 ea)

300*155*110 mm
2.8 kg

*Stones are placed in the calyx

Skin pad
(2 ea)

186*220*10 mm
420 g

Kit box
(1 ea)

320*435 mm
760 g

Pelican box
(1 ea)

640*640*300 mm
14.2 kg

Innovation in medical technology begins with ALDAVER

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Website

Email