

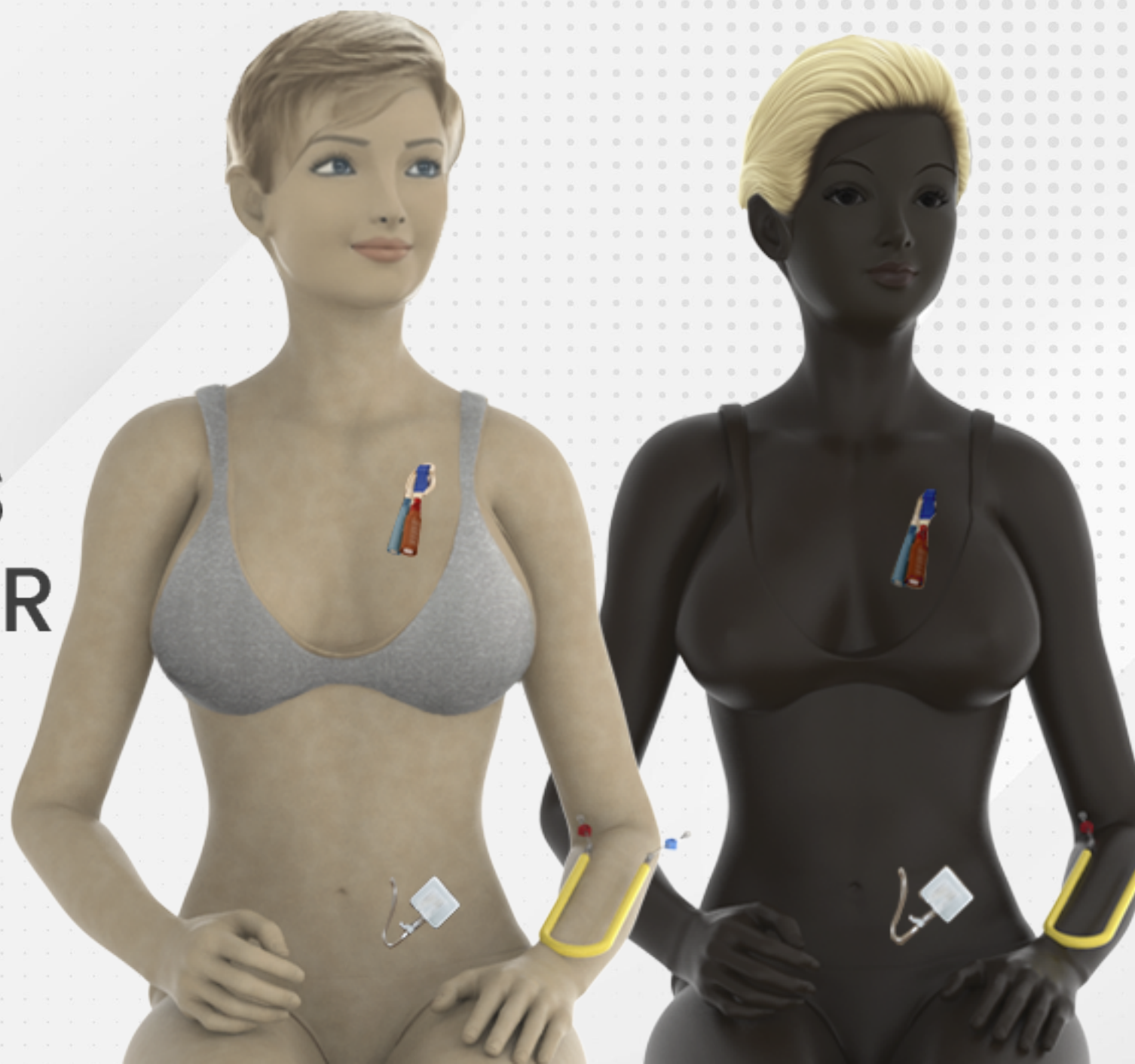


**S-WORLD**  
ALL THINGS "S"

3 in 1

**DIALYSIS  
SIMULATOR**

PATENTED



# Description

## DIALYSIS SIMULATOR

*Thank you for purchasing the S-WORLD 3 IN 1 Dialysis Simulator.*

Our mission at S-WORLD is to *bridge the gap* between theory and practical application by offering a product that allows learners to train in a *non-threatening environment*, ensuring *zero harm to patients*.

This product is designed with the *end user in mind*.

With over 20 years of experience in dialysis, we have firsthand knowledge of the challenges in providing *treatment to End Stage Renal Disease patients*.

*Rapid intervention* is often necessary to save lives.

By learning the technical aspects of providing dialysis treatments and role-playing critical scenarios before encountering patients, healthcare providers are better prepared to deliver *safe and efficient care*.

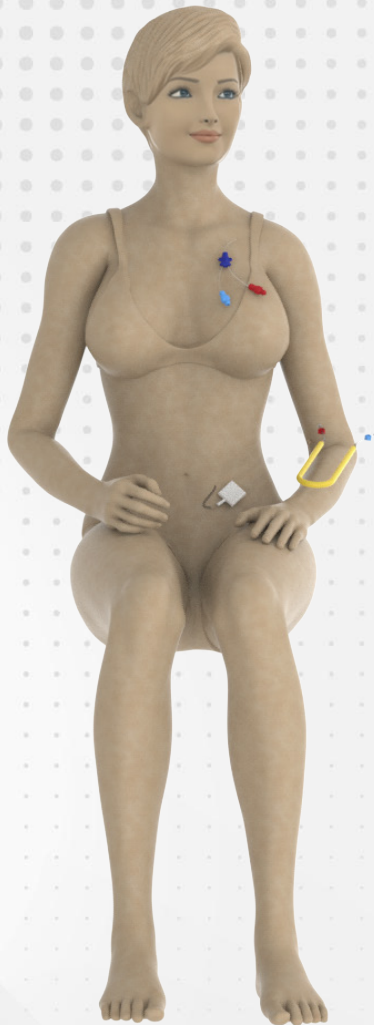




# Specification

## DIALYSIS SIMULATOR

Height of  
female  
simulator  
62"



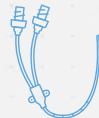
*Weight of female simulator: 26 lbs*



*Material: plastic/silicone*



*Reservoirs: polyvinyl/silicone bags*

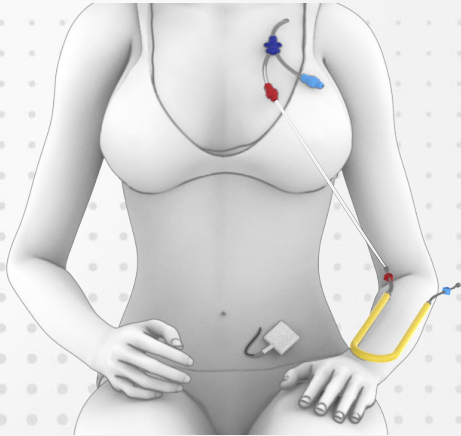


*Catheter: silicone tubing*

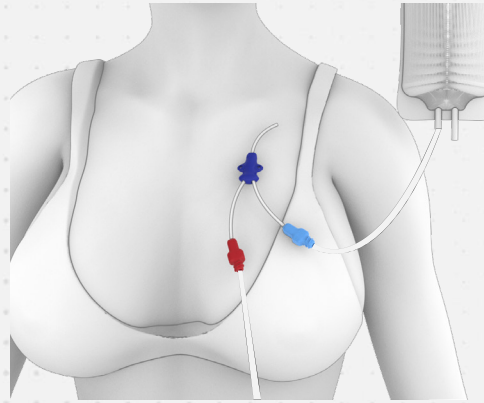
# Set up Instructions

## DIALYSIS SIMULATOR

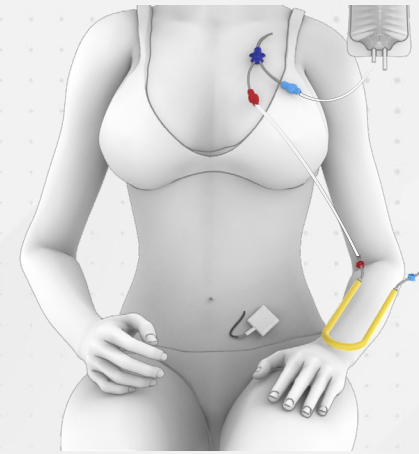
- 1** Connect one port of the AVG to the arterial port of the hemodialysis catheter



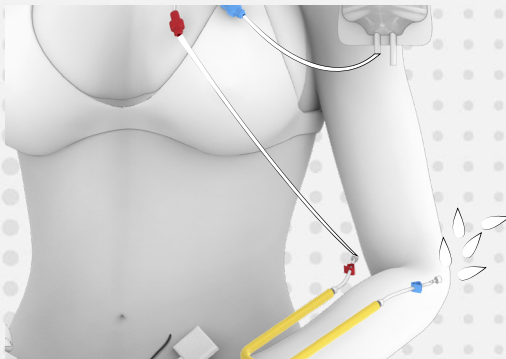
- 2** Connect a one liter bag of water to the venous port of the hemodialysis catheter



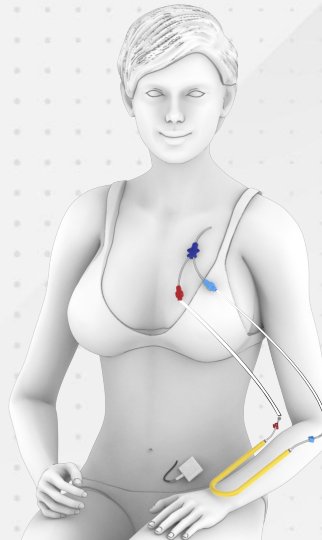
- 3** Open all clamps



- 4** Fill the reservoir until water spills from the open port of the AVG (this ensure reservoir is completely filled and eliminates air)



- 5** Your simulator is ready for use



*\*Add 30ml of red dye if desired to simulate blood.*

*\*If using simulated blood, your biomed department will need to disable the blood leak detector*

*\*To perform peritoneal dialysis:  
Connect the simulator to a programmed  
Cycler or perform a prescribed CAPD  
session.*

**YOUR MACHINE MUSTBE DESIGNATED  
FOR SIMULATION TRAINING ONLY AND  
MUST NOT BE USED ON A PATIENT!!!!**

# Draining Simulator

## DIALYSIS SIMULATOR

*Drain reservoir if not in use for long periods of time to prevent the build up of slime.*



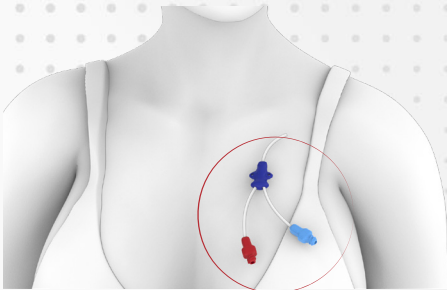
### OPTION 1:

*Set UFG to 1L to remove volume.*

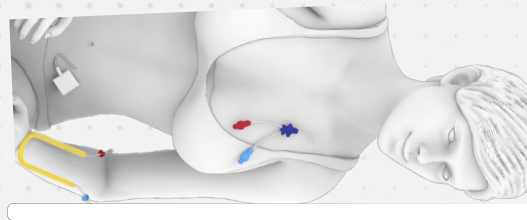
*Use large 60 cc syringe to remove excess fluid if necessary.*

### OPTION 2:

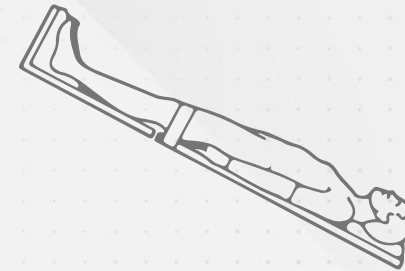
**1** Open clamps on simulator



**2** Turn on side



**3** Place bed in Trendelenburg to allow maximum drainage



**4** Use large syringe to remove any residual fluid



**5** To refill the reservoir see setup instructions





# Care of Simulator

## DIALYSIS SIMULATOR

- *Refer to insert and follow manufacturer's instruction on care of the healthcare simulator*



- *Exercise care if using simulated blood as dye will stain mannequin.  
(Place a drape underneath catheter openings when connecting and disconnecting).*

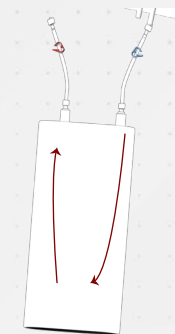


- *Clean Reservoirs:*

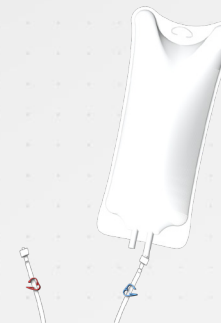


*To prevent slime build up in stagnated water and to minimize need for internal disinfection, it is wise to drain reservoirs if they will not be used for an extended period of time.*

*To internally disinfect reservoirs periodically fill the reservoir with 1:100 bleach water mixture. Allow to sit for 10-15 minutes and then drain. (Always use caution when handling chemicals. Assure you are in a well ventilated area and are using the appropriate PPE as recommended by the manufacturer of the bleach product).*



*Run an additional 1000 ml of water to rinse out residual bleach.*



# Troubleshooting

## DIALYSIS SIMULATOR

### ISSUE

### INTERVENTION

#### AIR IN LINES

- Make sure the **reservoir is completely full** at the start of the treatment.
- Set **UF goal between 300 - 500ml.**
- Use **large syringe** to express air if needed.
- Check that **connections are secure.**
- Add **additional volume** if needed.

#### LEAKING FROM AVG

- Make sure **tubing is attached secure** to connector.
- **Cannulate** using a 45 degree angle
- **Advance needle** to hub and tape securely
- **Rotate needle** stick site
- **Place gauze and tape** over leaky tubing during treatment
- Although tubing may be used for multiple session, a **new section of tubing** will be needed if tubing is exhausted.
- **Change tubing as needed** (Replacement tubing can be ordered at [www.sworld.me/shop](http://www.sworld.me/shop) or contact [customercare@sworld.me](mailto:customercare@sworld.me)).

# Contact Us

## DIALYSIS SIMULATOR

<i>METHOD</i>	<i>CONTACT INFORMATION</i>
<i>Chat</i>	832 - 508 - 9574
<i>E-Mail</i>	customercare@sworld.me
<i>FAX</i>	832 - 581 - 4306
<i>FB page</i>	<a href="https://www.facebook.com/SulasWorld.me">https://www.facebook.com/SulasWorld.me</a>
<i>Instagram</i>	<a href="https://www.instagram.com/SWorld.me">https://www.instagram.com/SWorld.me</a>
<i>Linkedin</i>	<a href="https://www.linkedin.com/in/suladunklin/">https://www.linkedin.com/in/suladunklin/</a>
<i>TikTok</i>	<a href="https://www.tiktok.com/@sworld.me">https://www.tiktok.com/@sworld.me</a>
<i>X</i>	<a href="https://www.x.com/AllThingsS2022/">https://www.x.com/AllThingsS2022/</a>
<i>Website</i>	<a href="https://www.sworld.me/">https://www.sworld.me/</a>