Quick reference dressing application guide

RENASYS AB Abdominal Dressing Kit is designed for use with the RENASYS EZ Plus device as a complete Negative Pressure Wound Therapy (NPWT) system for managing open abdominal wounds.

The RENASYS AB Dressing Kit includes the following components:

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<th>Component</th>
<th>Quantity</th>
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<td>Organ Protection Layer (OPL)</td>
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<tr>
<td>Pre-shaped Foam</td>
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<tr>
<td>Transparent Adhesive Film</td>
<td>x 6</td>
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<td>RENASYS Soft Port Dressing</td>
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### Open abdominal wound preparation

**Warning:** Review all RENASYS NPWT system safety information before beginning wound preparation. Ensure adequate hemostasis has been achieved prior to dressing placement.

1. Sharp edges or bone fragments must be eliminated from wound area or covered
2. Ensure any areas of necrosis are appropriately debrided
3. Irrigate abdominal wound as needed
4. Clean and dry the periwound area

### Organ Protection Layer application

**Warning:** Protect vital structures such as bowel and abdominal organs with the OPL at all times during therapy. Foam should never be placed in contact with exposed bowel, arteries, veins, organs or nerves. The OPL is designed to allow application directly over exposed internal organs and can be cut or folded as desired. Either side of the OPL may be placed against the viscera.

1. Remove contents from pouch and prepare the OPL on a sterile field. If cutting the OPL to a different size, ensure that each piece removed has been properly disposed of, away from the open wound.
2. Ensure gloves are wet before applying the OPL. Gently position the OPL evenly into the abdominal cavity, distributing the sides into both of the lateral paracolic gutters. Any excess material on the sides of the OPL may be folded back onto itself.
3. Ensure complete coverage of all viscera in the abdominal compartment with the OPL prior to filling the wound defect with foam.

### Pre-shaped Foam application

1. Size the foam to the desired proportions by tearing along the pre-scored perforations. The foam should fit directly over the OPL while maintaining contact with the wound margins. Foam may be cut if required. Do not cut the foam directly over the wound bed. Always rub the edges of any cut foam to remove loose fragments.
2. Do not allow foam to contact intact skin without use of an appropriate barrier such as Transparent Film or a hydrocolloid. It may be necessary to stack multiple pieces of foam depending on the wound profile. If multiple pieces of foam are required, count and record how many pieces are used.
3. Gently place the perforated foam into the wound cavity over the OPL. Ensure the foam is sized to fit loosely in the wound defect and does not go below the level of the abdominal wall.
### Transparent Film application

1. Holding the Transparent Film, expose one side of the adhesive backing by removing a single panel and apply it to the foam.

2. Apply film to the foam removing adhesive panels as well as the carrier film to seal.

3. Cover the foam with Transparent Film. The film should extend at least 5cm beyond the wound margin to facilitate a good seal. When using multiple pieces of film ensure the edges overlap by a minimum of 7.5cm. Avoid stretching or pulling the film to minimize tension or trauma to the periwound skin.

### RENASYS® Soft Port application

1. Cut a hole no smaller than 2cm in the center of the film. Remove any excess trimmed film and dispose of away from the wound.

2. Remove the adhesive panel from the Soft Port dressing and align the port opening over the hole in the Transparent Film. Use gentle pressure to anchor the Soft Port dressing to the Transparent Film.

3. Smooth the dressing down while removing the stabilization frame from the Soft Port dressing.

### Initiation of therapy

1. Ensure the canister is installed correctly and connect the in-line Bacterial Overflow Guard to the device. To prevent airflow into the device ensure the guard tubing is fully inserted past the 4th ridge into the device vacuum port. Connect the Soft Port to the canister tubing by pushing the Quick-Click Connectors together.

2. Activate the RENASYS EZ Plus device on continuous mode. Set the pressure to 80mmHg to commence and check the dressing has a good seal.

3. The finished dressing should collapse and be firm to the touch. If required, adjust the pressure setting to desired level. The recommended pressure range for temporary abdominal closure is 80-120mmHg.

With over 150 years of experience in advanced wound care, Smith & Nephew is an industry leader providing innovative solutions to meet the needs of chronic, acute and traumatic wounds across all care settings.

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