

PICO

Single Use Negative Pressure Wound Therapy System

**DESCRIPTION**

Pico is a Single Use Negative Pressure Wound Therapy (NPWT) System consisting of a small portable pump, 2 lithium batteries, 2 dressings and 10 fixation strips. Pico is capable of delivering 80 mmHg (nominal) negative pressure to the wound surface and managing low to moderate levels of exudate generated by the wound. The system comprises of 2 tray sets (dressings) to provide therapy for up to 7 days.

INDICATIONS

Pico is indicated for patients who would benefit from a suction device (NPWT) as it may promote wound healing via removal of low to moderate levels of exudates and infectious material. It is suitable for use in the hospital and home setting.

Appropriate wound types include:

- Acute and Chronic
- Flaps and grafts
- Incision sites
- Partial-thickness burns
- Subacute and dehisced wounds
- Traumatic wounds
- Diabetic and pressure ulcers

CONTRAINDICATIONS

- Malignancy in the wound bed or margins of the wound (except in palliative care to enhance quality of life).
- Previously confirmed and untreated osteomyelitis
- Non-enteric and unexplored fistulas
- Use on necrotic tissue with eschar present
- Use over exposed blood vessels, nerves or organs
- Exposed anastomotic sites

Warnings:

1. With anticoagulant therapy, haemostasis must be achieved before applying the dressing and continued frequent assessment must be maintained and considered through out the therapy.
2. At all times ensure that the pump does not:
 - Lie in a position where it could cause pressure damage to the patient
 - Trail across the floor where it could present a trip hazard or become contaminated.
 - Present a risk of strangulation or a tourniquet to patients.
 - Rest on or pass over a source of heat.
 - Become twisted or trapped under clothing or bandages so that the negative pressure is blocked.
3. Sharp edges or bone fragments in a wound must be covered or removed prior to using PICO due to risk of puncturing organs or blood vessels while under negative pressure
4. If defibrillation is required disconnect the pump from the dressing prior to. Remove the dressing if it is positioned in a location that will interfere with defibrillation.
5. PICO is **Not MRI compatible**. Do not take PICO into the MRI suite.
6. PICO has not been studied on paediatric patients. Patient size and weight should be considered when prescribing this therapy.
7. PICO is unsuitable for use in areas where there is danger of explosion e.g. hyperbaric oxygen unit
8. PICO is not suitable for use in the presence of a flammable anaesthetic mixture or with oxygen or nitrous oxide.

PRECAUTIONS

1. Care should be taken for patients who are or may be untreated for malnutrition or who are non-compliant or combative.
2. When used on infected wounds, inspect the area frequently and ensure clinical management of the infection is in place.
3. Ensure the application of a circumferential dressing (where appropriate) does not compromise circulation.
4. Inappropriate use or too frequent dressing changes, particularly in patients with fragile skin, can result in skin

stripping.

5. If reddening or sensitization occurs discontinue the treatment.
6. PICO may not be compatible with oil based products such as petrolatum.
7. Do not take the pump apart.
8. Ensure that the position of deep drain and surface NPWT applications do not allow adverse interaction which may compromise their operation. Any surgical drain should exit the skin away from the edge of the dressing and function independently of the PICO dressing.
9. The dressing should not be used with any other suction pump.
10. Do not alter of cut tubing configuration or pull on the tubing.
11. Do not cut the dressing as this may lead to loss of NPWT application.
12. Always ensure that the dressing is positioned centrally over the wound. The port should sit uppermost so that the risk of fluid sitting around the port and potentially blocking the negative pressure is minimized.
13. If PICO is used within CT scanner range, care must be taken that the pump is not within the field of view.
14. This device is single use only. Use of any part of this system on more than one patient may result in cross contamination that may lead to infection.

DIRECTIONS FOR USE

Application:

1. Remove any excess hair to ensure close approximation of the dressing to the wound. Irrigate the wound with sterile saline and pat the periwound dry. Apply skin barrier to the periwound area and allow to dry.
2. Using a clean technique, peel off the central release handle and place the dressing centrally over the wound to reduce the chance of wound fluid coming into contact with the port. The port should be uppermost from the wound (depending on patients primary position) to prevent fluid pooling around the port and blocking the negative pressure. Remove the other two handles and smooth the dressing around the wound to prevent creasing. Reposition if required to ensure border is not creased.
3. Once the dressing is in place, remove the pump and the batteries from the tray. Slide back the battery cover on the top of the pump and place the batteries inside as diagrammed inside the battery compartment and replace the cover. Following this all 3 lights should flash once.
4. Join the pump to the dressing by twisting together the tubing connectors. Press the orange button to start the application of negative pressure. The green light will start to flash (indicating the system is working okay). Depending on the size of the wound, the pump should take up to 30 seconds to establish NPWT.
5. Once the negative pressure has been established, apply the fixation strips to each of the four sides of the dressing. Remove top carrier on the strip after each one has been applied. These strips maintain the seal over the wear time of the dressing. In awkward areas, it may be useful to apply the strips to help achieve a seal prior to switching on the pump. Place each strip so that it overlaps dressing border by approximately 1 cm. Ensure tubing is not twisted or trapped between clothing.

*Please note – any time the fixation strips are removed, the dressing should also be replaced.

Use with fillers and wound contact layers:

1. PICO is compatible with standard gauze and foam fillers.
2. When a filler is used, the filler and the PICO dressing should be changed 2 to 3 times a week, according to local clinical protocol and manufacturers instruction.
3. Gauze should loosely fill to surface of wound. Avoid over packing
4. PICO is compatible with Acticoat flex nanocrystalline silver dressings.
5. PICO may be used over the top of a non adherent layer if required e.g. a skin graft.

FREQUENCY OF CHANGE

1. The pump has a 7 day life and the dressing may be left in place for up to 7 days depending on the level of exudate.
2. If the dressing requires changing within the 7 day life of the pump, press the orange button and disconnect the dressing from the pump. The fixation strips should be stretched away from the skin and the dressing lifted at one corner and peeled back until it has been fully removed. Apply another dressing, connect to the pump and press the orange button to reinitiate the therapy. The pump will automatically stop functioning after 7 days of use. All lights will turn off at this point. The dressing should be removed as therapy is not being delivered and another system applied if appropriate.

Adapted from Smith & Nephew Inc. Product Insert 2011