# **Patient selection**: **Identify appropriate patients**

Suggested wound selection criteria:

# PICO sNPWT System has been shown to be capable of managing low to moderate exudate, and deliver nominal -80mmHg therapeutic negative pressure in large wounds of depths up to 4.5cm when used with an appropriate NPWT filler as demonstrated *in vitro*1

* Wound >6 weeks in duration – wound has reduced in area by <10% per week over previous 4 weeks
* Ensure wound bed is prepared for NPWT
* If wound is clinically infected consider antimicrobial before PICO sNPWT therapy

# Weekly wound assessment

* Use simple length and width measures for area
* Change in exudate levels
* Ensure wound bed is less than 20% thin slough
* Change in pain levels
* **Refer to TVN team for guidance**

**Email:** Shropcom.tissueviability@nhs.net

**Tel:** 01952 670 925

* If VLU, ABPI confirmed as >0.8 and <1.3
* None of the PICO sNPWT contraindications for negative pressure apply

# **Week 1: Apply PICO sNPWT**

**Week 2: reassess and review wound**

# **PICO Pump can be used with or without fillers**

A full assessment of the wound is recommended before considering whether it is appropriate to use a wound filler or to apply the PICO sNPWT dressing directly to the wound.

Wounds greater than 0.5cm (1/4in) in depth are likely to require a foam or gauze negative pressure wound therapy filler to ensure adequate treatment of all the wound surfaces. Wounds greater than 2cm (3/4in) in depth must be treated with the use of a filler along with the PICO system to ensure adequate contact with the wound.

# **Wounds types under 2cm that the use of a filler would be appropriate:**

* + The wound bed is uneven
	+ There is undermining
	+ The wound is a sinus

**Uneven wound bed**

**Undermining Sinus**

**PICO sNPWT dressing kits**

**PICO 7** sNPWT

and **PICO 14** sNPWT are available in 2 x dressings kits and multipacks for all sizes

**PICO7 sNPWT**

**PICO 14 sNPWT**

For more information please contact:

**Tissue Viability Service by email on:** **Shropcom.tissueviabilit****y@nhs.net**

**Or Tel: 01952 670 925**

|  |  |
| --- | --- |
| **Dressing**  | **Dressing size**  |
| 10cm x 20cm |
|  | 10cm x 30cm  |
|  | 10cm x 40cm |
|  | 15cm x 15cm |
|  | 15cm x 20cm |
|  | 15cm x 30cm |
|  | 20cm x 20cm |
|  | 25cm x 25cm |
|  | Mutisite small 15cm x 20cm |
| Mutisite large 20cm x 25cm |

# Non-responder STOP PICO sNPWT

No significant improvement in granulation tissue quality/quantity, static or increased in size

Refer to TVN for guidance

# Good responder

PICO sNPWT contraindications

The use of PICO sNPWT is contraindicated in the presence of:

* Patients with 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
* Necrotic tissue with eschar present
* Exposed arteries, veins, nerves or organs
* Exposed anastomotic sites

PICO sNPWT should not be used for the purpose of:

* Emergency airway aspiration
* Pleural, mediastinal or chest tube drainage
* Surgical suction

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-Wound reduced in area

-Increase in granulation tissue

-Decrease in wound size

Use clinical judgement to determine whether PICO sNPWT treatment should be continued on a week-by-week basis and refer to TVN for guidance

Considerations for PICO sNPWT use

Patient suitability

Is PICO sNPWT a suitable treatment for the patient being considered?

* Will the patient be concordant with the therapy?
* Will the patient remove and/or interfere with the dressing and/or device?
* Will PICO be acceptable to the patient?

Wound site

Is the wound location suitable for treatment with PICO sNPWT?

* Avoid sites with pins and/or external fixation
* Will it be possible to achieve and maintain a seal?
* Can the port be located in an area which will minimise the risk of pressure damage?
* Consider routing of tubing to avoid risks of pressure damage and entanglement
* Consider proximity of stoma sites
* Consider application technique over joints

Magnet warning

The PICO pump contains a magnet. **Keep the PICO sNPWT pump at least 4” (10cm) away from other medical devices at all times.** Failure to do so can cause the other medical device to fail which can result in serious harm including death

**References:**

1. Smith & Nephew 9 November 2018. Evidence Outcomes Report: The Review Of Evidence Supporting The Use Of PICO In Wounds ≥2cm In Depth. Internal Report. EO.AWM.PCS230.001.V2

2. Dowsett, C; Recommendations for the use of negative pressure wound therapy, Wounds UK, Vol 8, No 2, 2012

3. Kirsner R, Dove C, Reyzelman A, Vayser D, Jaimes H. A prospective, randomized, controlled clinical trial on the efficacy of a single-use negative pressure wound therapy system, compared to traditional negative pressure wound therapy in the treatment of chronic ulcers of the lower extremities. Wound Repair Regen. 2019;27(5):519-529

**References:**

1. Smith & Nephew 9 November 2018. Evidence Outcomes Report: The Review Of Evidence Supporting The Use Of PICO In Wounds ≥2cm In Depth. Internal Report. EO.AWM.PCS230.001.V2

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