Algorithm: When to use NPWT*

**Patient with wound eligible for NPWT?**

Consider if patient requires less disruptive NPWT to mitigate issues with pain, social implications, bulky units, economics

**Is wound small, moderate exuding?**

80mmHg suitable pressure for wound? Wound smaller than 100cm squared?

**Yes**

**No**

Traditional NPWT

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**Acute/dehisced wound**

Less than 2cm deep with no undermining

Assess for signs of infection – apply ACTICOAT™

Flex if present

More than 300cc per week

No

Continue with PICO

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**High risk closed surgical wound/skin graft**

More than 2cm deep with/without undermining or tunnels

Use filler to fill dead space with silver/amd gauze/foam

Place PICO over closed incision line or skin graft and leave in place for 3-7 days or until dressing is full with fluid

Is system (both dressings) filled with fluid prior to 3 days?

Yes

Consider changing to traditional NPWT

No

Continue with PICO

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**Chronic wounds**

Pressure ulcers, DFU

Use filler to fill dead space with silver/amd gauze/foam

Difficult to attain seal

Consider ostomy paste/putty to fill cleft (use for all difficult to seal wounds)†

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Documented ABI prior to compression

Assess for compression. PICO may be worn under compression. ACTICOAT Flex may be used under the PICO Dressing if signs of infection are present.

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Assess for healing every 2 weeks to ensure goals of therapy are met

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†PICO to be placed over wound with port placed uppermost at opposite end of wound
## Cost of PICO° compared to previous dressings
(in Canadian $)¹

<table>
<thead>
<tr>
<th>Treatment</th>
<th>tNPWT</th>
<th>PICO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average number dressing changes per month</td>
<td>11.7</td>
<td>5.4</td>
</tr>
<tr>
<td>Average number weeks for treatment</td>
<td>13.1</td>
<td>8.8</td>
</tr>
<tr>
<td>Total number of dressing changes to heal</td>
<td>38.3</td>
<td>11.8</td>
</tr>
<tr>
<td>Labor cost per visit</td>
<td>$57</td>
<td>$57</td>
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<tr>
<td>Total labor cost per wound patient</td>
<td>$2,184</td>
<td>$672</td>
</tr>
<tr>
<td>Average material (dressings, etc.) cost per visit</td>
<td>$225</td>
<td>$201</td>
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<tr>
<td>Total material cost per wound patient</td>
<td>$8,658</td>
<td>$2,366</td>
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<tr>
<td>Total cost per wound patient</td>
<td>$10,842</td>
<td>$3,038</td>
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</tbody>
</table>

### References
2. OC DOF/012 A prospective, open, non-comparative, multi-centre study to evaluate the functionality and dressing performance of a new negative pressure enhanced dressing in acute wounds.

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Patients can discreetly and comfortably go about their daily lives²

- Pocket-sized PICO System is easy to wear² compared with traditional NPWT devices¹
- Single use system can be worn for up to 7 days, depending on exudate levels
- May help reduce patients’ length of stay in the hospital