**Contraindication**

- Malignant tumours
- Open blood vessel lesions, unprotected vascular systems
- Eyes, nose and ears
- Exposed nervous/neurovascular beams
- Complex and/or highly contaminated wounds
- Patients with HIV, hepatitis C or other transmissible diseases/infection

**Warning:** In the following cases, the risks when using the device increase:

- Patients with a higher tendency to bleeding and arterial ulcers
- Patients with infected wounds

→ In such cases, the doctor must decide whether and in what form the treatment should be provided

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**1. Turn on debritom⁺**

- **ON**
- **OFF**

Activate foot pedal 1x to connect with debritom⁺

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**2. debritom⁺ set-up**

**2a**

Insert pump as shown until it stops / turn clockwise until click

**2b**

Connecting tube: close clamp/spike into rinsing fluid/open venting cover

**2c**

Attach rinsing fluid, connect the connecting tube to pump

**2d**

Attach the luer connection - make sure the connection is tighten securely

**2e**

Open clamp

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**3. Test of water jet**

Press foot on/off switch

- For a visual test of water jet (flat or point, water jet thickness)
- To test the water jet intensity on your hand – start with a distance of 25 cm (approx. twice the handpiece-length)
- Guide the jet starting at the wound edge, and move the jet slightly back and forth.
- If something doesn’t work, replace the handpiece

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**4. Optimal working parameters**

Intensity levels at START for each handpiece: Level 4 (Level 1-5/weak-strong)

<table>
<thead>
<tr>
<th>Handpiece</th>
<th>Level</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>debritom⁺ handpiece standard jet</td>
<td>4</td>
<td>8 - 15cm</td>
</tr>
<tr>
<td>debritom⁺ handpiece flat jet narrow</td>
<td>4</td>
<td>4 - 10cm</td>
</tr>
<tr>
<td>debritom⁺ handpiece flat jet wide</td>
<td>3</td>
<td>3 - 8cm</td>
</tr>
</tbody>
</table>

- Working distance recommended: 8 - 15cm (standard jet)
- Working distance recommended: 4 - 10cm (flat jet narrow)
- Working distance recommended: 3 - 8cm (flat jet wide)

- Working angle: 3 – 45 degrees to wound surface
- **TIP** flat jet: The flat jet should be applied like a spatula to the wound

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**5. Intensity-Level**

- **4**
- **5**

Intensity

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**6. Patient change / end of the treatment**

**6a** Patient change, pump one day

- Close clamp
- Remove handpiece and dispose of it
- Attach LuerCap

For next patients ➝ **2d**

**6b** End of the treatment

- Remove connecting tube
- Remove pump and handpiece as one unit and dispose of it
7. Error messages

NOTE: The on/standby button lights up red as an error message occurs. This button can be used to acknowledge the fault after rectification.

- **Battery foot on/off switch almost empty**
  Troubleshooting: Replace batteries (Battery type 2 x LR03 / AAA, chapter 11)

- **Pump in use for too long time period**
  Troubleshooting: Replace pump

- **Handpiece in use for too long or trying to use with different single use pump**
  Troubleshooting: Replace handpiece

- **Handpiece missing or handpiece not recognized**
  Troubleshooting: Replace handpiece. If the error can not be resolved, contact the Medaxis service department immediately.

- **Nozzle blocked or motor overheated**
  Troubleshooting: Change handpiece and pump if necessary. If the error can not be resolved, contact the Medaxis service department immediately.

- **Pump not inserted correctly**
  Troubleshooting: Replace pump and reinsert it correctly, or replace it.

- **General system error**
  Troubleshooting: Please contact the Medaxis service department immediately.

- **No foot on/off switch detected**
  Troubleshooting: Press the foot on/off switch. If foot on/off switch cannot be detected, re-pair (See chapter 11)

8. Symbols on debritom+ display

- **Search for Bluetooth device for pairing**
  Pressing the on/standby and '+' buttons for > 1 s at debritom+ will show the 'Search for Bluetooth device' symbol for pairing a new or replacement of the foot on/off switch.

- **Bluetooth signal of foot on/off switch detected - confirm**
  As soon as debritom+ has detected the Bluetooth signal of the foot on/off switch, this symbol appears on the display

- **debritom+ connected with foot on/off switch**
  This symbol appears on the display as the foot on/off switch is connected to debritom+.

- **Intensity levels**
  The intensity levels can be adjusted between 1 - 5 (1 weakest/5 strongest)