Preface

Chronic wounds, such as pressure sores (decubital ulcers), diabetic foot ulcers or venous leg ulcers, are increasingly becoming a problem in daily wound care. The often long-lasting illnesses are a challenge for the specialized nursing and medical staff. With the present guide we would like to give you an overview of the "indication-specific" area of hydroactive dressings for chronic wounds and thus support you systematically in your treatment decisions.

Using typical wound patterns, the guide shows different chronic wounds (decubital ulcers, diabetic foot, ulcus cruris (leg ulcer)) in the various wound-healing stages with the respective characteristics.

Wound cleansing
- Necrosis, infection and fibrin exudation

Granulation

Epithelization

These stages are further subdivided according to superficial and deep or fissured wounds as well as the quantity of exudate produced and the respective condition of the skin (intact or previously damaged peri-wound site).

The classification of those hydroactive dressings that are likely to be best suited for the management of a given wound at a particular stage in the healing process as well as supplements for fixation and compression provide you with a sound basis for decision-making during the whole duration of wound treatment.

The guide is divided into the following chapters:

- Wound pattern
- Decubital ulcers
- Diabetic foot
- Ulcus cruris (leg ulcer)

Customer service

You can find further information in our Medical Editions:
- Diagnosis, treatment and prevention of the diabetic foot syndrome
- Compendium wounds and wound management
- Phase-specific wound management of decubitus ulcer
- Phase-specific wound management of venous leg ulcer

You can order all titles through the Internet – http://hartmann.info/english/service – or contact directly our German headquarter in Heidenheim: +49 73 21/36-0.

Areas of application

- TenderWet 24 active
  - For active wound cleansing in chronic and poorly-healing, superficial wounds.

- TenderWet active cavity
  - Suitable for packing deep wounds or wounds with pocket formation.

- Atrauman Ag
  - For the treatment of wounds in danger of infection or infected wounds as well as for prophylaxis against infection in chronic or acute wounds.

- Percutacture
  - For the treatment of superficial and as healing is regularly愈的 wounds, particularly in vascular ulcers of previously damaged wound site and infected wound in combination with Atrauman Ag.

- Percutacture social
  - Simple application in patients with non-healable skin thanks to self-adhesive border around the edges.

- Percutacture concave
  - For the treatment of ulcers of the heel and ankle.

- Percutacture cavity
  - For the treatment of deep wounds with practical folding technique, skin suitable for infected wounds.

- Sorbalgon
  - For treatment of deep and fissured wounds which are healing by undermining, exuding or bleeding.

- Sorbalgon T
  - Tamponing ribbons especially for narrow fistula passages and puncture channels.

- HydroTac
  - Suitable for the treatment of slightly to moderately exuding wounds, during the granulation and epithelization phases.

- Hydrocoll thin
  - For treatment of lightly exudating, non-infected wounds.

- Hydrocoll sacral
  - For treatment of decubitus in the sacral region.

- Hydrocoll concave
  - For treatment of decubitus on heel and elbow.

- Hydrocoll thin
  - For treatment of lightly exudating and already epithelializing wounds.

- Hydrocoll comfort
  - For treatment of superficially healing wounds.

- Hydrocoll concave
  - For treatment of ulcers in the epithelization stage and deep wounds up to 2–5 degrees.

- HydroTac comfort
  - Simple application thanks to self-adhesive border around the edges.

- HydroTac sacral
  - For wound treatment of deep or fissured wounds, with less exudate as well as for softening and detaching necrotic material.

- HydroTac concave
  - For deep treatment of chronic wounds, with low exudate as well as for softening and detaching necrotic material.

- HydroTac thin
  - For treatment of slightly exuding wounds.
Preface

Chronic wounds, such as pressure sores (decubital ulcers), diabetic foot or ulcers of the leg (leg ulcers), are increasingly being recognized as a problem in daily care and health care. The long-lasting illnesses are a challenge for the specialized medical field.

With the present guide we would like to give you an overview of the “indication-specific” use of hydroactive dressings for chronic wounds and thus support you systematically in your treatment decisions.

Using typical wound patterns, the guide shows different chronic wounds (decubital ulcers, diabetic foot and ulcers of the leg) and the various wound-healing stages.

Wound Cleansing

- Necrosis, infection and fibrin exudation
- Granulation
- Epithelization

These stages are further subdivided according to superficial and deep or fissured wounds as well as the quantity of exudate produced and the respective condition of the skin (intact or previously damaged peri-wound site).

The classification of those hydroactive dressings that are likely to be best suited for the management of a given wound at a particular stage in the healing process as well as supplements for fixation and compression provide you with a sound basis for decision-making during the whole duration of wound treatment.

The guide is divided into the following chapters:

- Wound pattern
- Decubital ulcers
- Diabetic foot
- Ulcus cruris (leg ulcer)

Product Overview

The guide is rounded off with useful application notes and a practical range of supplements.

Areas of application

- TenderWet 24 active
  - For active wound cleansing in chronic and poorly-healing, superficial wounds.
- TenderWet active cavity
  - Suitable for packing deep wounds or wounds with pocket formation.
- Atrauman Ag
  - For the treatment of wounds in danger of infection or infected wounds as well as for prophylaxis against infections in chronic or acute wounds.
- Preventura
  - For treatment of superficial as well as slowly or moderately exuding wounds, particularly in areas of previously damaged wound site and infected wounds in combination with Atrauman Ag.
- Preventura social
  - For treatment of ulcers due to social reasons in combination with Preventura convexitas.
- Preventura convexitas
  - For treatment of deep wounds with practical folding technique, also suitable for infected wounds.
- PermaFoam
  - For treatment of deep and fissured wounds which are hardly to be influencing dressing or tunneling.
- PermaFoam comfort
  - Simple application thanks to self-adhesive border around the edges.
- PermaFoam sacral
  - For treatment of decubitus in the sacral region.
- PermaFoam concave
  - For treatment of decubitus on heel and elbow.
- PermaFoam cavity
  - For treatment of deep or fissured wounds, particularly in cases of non-infected wounds.
- TenderWet active cavity
  - For immediate action in the acute phase of the ulcer and after surgical procedures.
- HydroTac
  - Suitable for the treatment of slightly to moderately exuding wounds during the granulation and epithelization phases.
- Hydrocoll
  - For treatment of moderately to lightly exuding wounds.
- Hydrocoll sacral
  - Especially for treatment of decubitus in the sacral region.
- Hydrocoll concave
  - For treatment of lightly exuding wounds.
- Hydrocoll thin
  - For treatment of slightly to moderately exuding wounds.
- Hydrocoll thin
  - For treatment of slightly to moderately exuding wounds.
- Hydrocoll concave
  - For treatment of slightly to moderately exuding wounds.
- Hydrocoll thin
  - For treatment of slightly to moderately exuding wounds.
- HydroTac comfort
  - Simple application thanks to self-adhesive border around the edges.
- HydroTac
  - For active wound cleansing in chronic and poorly-healing, superficial wounds.
- HydroTac comfort
  - For active wound cleansing in chronic and poorly-healing, superficial wounds.
- HydroTac
  - For active wound cleansing in chronic and poorly-healing, superficial wounds.
- HydroTac comfort
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Guide for the Treatment of Chronic Wounds

Visit our website: www.hartmann.info
Product overview

TenderWet 24 active
TenderWet active cavity
Atrauman Ag
PermaFoam / PermaFoam comfort
PermaFoam sacral
PermaFoam concave
PermaFoam cavity
Sorbalgon
Sorbalgon THydroTac
HydroTac comfort
Hydrocoll
Hydrocoll sacral
Hydrocoll concave
Hydrocoll thin
Hydrosorb / Hydrosorb comfort
Hydrosorb Gel

Wound pattern

Superficial wounds

- TenderWet active cavity
- PermaFoam cavity

Deep or fissured wounds

- TenderWet active cavity
- PermaFoam
- PermaFoam comfort

Adhesive tapes

- TenderWet active cavity
- PermaFoam
- PermaFoam comfort

Conforming bandages and tubular bandages

- Peha-crepp
- Peha-haft latex-free
- Pehalast
- Lastodur strong
- Stülpa-fix
- Stülpa

Dressing retention

- Normal skin
  - TenderWet active cavity
  - PermaFoam
  - PermaFoam comfort
  - Sorbalgon

Warning: Use Peha-haft as cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.

* Please note: Availability of products vary in each country.
## Compression

### Initial therapy

**Pütterband/Witt/Verband**
- Especially strong, short-stretch bandages with textile elasticity made of 100% cotton which are very well suited for the counter-running Pütter bandaging technique. The strong fabric generates a high compression with a high working pressure and low resting pressure.

**Vandalust**
- Ready-to-use, easily applicable zinc paste bandage conformable in both directions for use as a permanent bandage. When applied, the bandage forms a semi-rigid, unyielding bandage which effects intense decongestion of deeper venous areas.

### Subsequent treatment after decongestion/reduction of oedema

**Saphenaed ucv**
- Two-layer compression stocking system for optimum compression treatment of venous leg ulcer (Ulcus cruris venosum). Convincing with its high wearing comfort and by its ability to produce an optimum pressure gradient.

## Further products

### Cosmopor® sterile
- Adhesive wound dressing with high absorption capacity and good cushioning effect for the postoperative wound treatment as well as for the sterile care of minor injuries.

### Hydrofoil® Plus
- Adhesive, waterproof, transparent wound dressing with good absorption and cushioning effect for postoperative care of secretory wounds and for protection against secondary infections.

### Hydrofoil®
- An adhesive, waterproof and transparent polyurethane film dressing. Hydrofoil is sterile and available in different pre-cut sizes. It can be used for the retention of wound dressings.

### Hydrofoil® roll
- An adhesive, waterproof and transparent polyurethane film for the retention of wound dressings. The non-sterile film comes on rolls of different sizes and can individually be cut to the needed dimensions.

### Rolta® soft
- Very soft, skin-friendly, synthetic padding bandage which is very well suited as padding material under support and compression bandages.

### Cosmopor® UV, Modilex® drain
- Peha®-SIL® dressing
- PermaFoam® tracheostomy
- To be used for drainage and extensions.

## Compression

<table>
<thead>
<tr>
<th>Granulation</th>
<th>Epithelization</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td><img src="image3" alt="Image" /></td>
<td><img src="image4" alt="Image" /></td>
</tr>
</tbody>
</table>

### Normal skin
- Hydrocoll®
- HydroTac®
- HydroTac comfort

### Sensitive skin
- HydroTac®
- Hydrosorb®

### Joints
- Stülpa-fix
- Dermafix elastic

### Fingers and toes
- Stülpa Ready-To-Use Bandage
- Peha-tuff

### Sacral region
- Dermafix elastic
- Stülpa-fix
- Stülpa Alto (Inco System)
Decubitus (Pressure sore)

Pressure sore as a result of local damage to the skin and subjacent tissue through pressure, force of gravity, friction or a combination of these factors.

<table>
<thead>
<tr>
<th>Wound cleansing</th>
<th>Necrosis</th>
<th>Infection</th>
<th>Fibrin/Exudation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Superficial wounds</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exsudat +</td>
<td>TenderWet active 24</td>
<td>Atrauman Ag²</td>
<td></td>
</tr>
<tr>
<td>Exsudat ++</td>
<td>TenderWet active 24</td>
<td>PermaFoam</td>
<td>Sorbalgon</td>
</tr>
<tr>
<td>Exsudat</td>
<td>PermaFoam</td>
<td>Sorbalgon</td>
<td>Atrauman Ag²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Deep or fissured wounds</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Exsudat +</td>
<td>TenderWet active cavity</td>
<td>TenderWet active cavity</td>
</tr>
<tr>
<td>Exsudat ++</td>
<td>PermaFoam cavity</td>
<td>Sorbalgon (T)</td>
</tr>
<tr>
<td></td>
<td>NormalFoam</td>
<td>NormalFoam</td>
</tr>
</tbody>
</table>

1 As primary wound dressing in combination with absorbent wound dressings.
2 PermaFoam in infected wounds only under medical supervision.
3 Alternatively sacral or concave versions if appropriate.

**Wound dressings**

**ES gauze swabs (with cut edges folded in)**

Usable as a swab or dressing as well as a secondary wound dressing in conjunction with an impregnated dressing.

**Medicom®**

Soft non-woven swabs for the general wound treatment as swabs and secondary wound dressing in conjunction with an impregnated dressing.

**Zierba®**

Particularly absorbing, combined dressing pads for care of heavily exuding wounds and for padding. A non-woven covering on the side facing towards the wound prevents sticking to the wound.

**Zierba® Plus**

Highly absorbent combined wound dressing pad for the treatment of extremely heavily exuding wounds, e.g. in lymph oedema; produces a cushioning effect. The absorbent core consists of soft cellulose fluff blended with liquid retaining polymers.

**Contact layers**

**Hydrotul®**

Is a hydroactive, skin-caring, non-occlusive impregnated contact layer for atraumatic wound treatment. The carrier material consists of polyamide impregnated with a non-medicated triglyceride (neutral fat) based hydroactive impregnation.

**Atrauman®**

The skin-caring contact layer free from active agents and made of close-weave, hydrophobic polyester tulle can be used as a primary wound dressing.

**Grassolind®**

The skin-friendly contact layer free from active agents made of open-weave cotton lattice tulle can be used as a primary wound dressing.

**Dressing retention**

**Normal skin**

- Omnifix elastic
- Omnifilm
- Pehalast
- Perma-haft
- Stülpa-fix
- Hydrofilm roll

**Sensitive skin**

- Omnifix
- Pehalast
- Perma-haft
- Stülpa-fix
- Stülpa flex
- Multipunt (Vito System)

**Extremities**

- Omnifix elastic
- Stülpa flex
- Multipunt (Vito System)

**Sacral region**

- Omnifix elastic
- Stülpa flex
- Multipunt (Vito System)

**Warning:** Use Peha-haft as a cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.
HydroTac®/HydroTac® comfort

Properties:
HydroTac is a foam dressing with a gas-permeable, waterproof and bacteria resistant outer layer made of polyurethane. The dressing face in contact with the wound is impregnated with a hydrogel. The gel consists of a water containing polyurea/hybrid polyurethane polymer, which contains propylene glycol.

Benefits:
- Easy, hygienic application due to "Initial Tack".
- Assists the moist wound environment for effective wound healing.
- Low-pain removal of the wound dressing because the gel counters sticking to the wound as far as possible.

Dressing change:
HydroTac should be changed when it is clinically indicated or when exudate becomes visible at the edges of the dressing.

HydroTac

<table>
<thead>
<tr>
<th>External Dimension</th>
<th>Internal Dimension</th>
<th>Sales Units</th>
<th>Reference Number</th>
<th>German PZN Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 6 cm round</td>
<td>6 x 6 cm round</td>
<td>Pack of 3</td>
<td>685 848 345111 1</td>
<td></td>
</tr>
<tr>
<td>6 x 6 cm round</td>
<td>6 x 6 cm round</td>
<td>Pack of 10</td>
<td>685 849 345112 8</td>
<td></td>
</tr>
<tr>
<td>10 x 10 cm</td>
<td>10 x 10 cm</td>
<td>Pack of 3</td>
<td>685 831 345130 6</td>
<td></td>
</tr>
<tr>
<td>10 x 10 cm</td>
<td>10 x 10 cm</td>
<td>Pack of 10</td>
<td>685 832 345131 2</td>
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<tr>
<td>10 x 20 cm</td>
<td>10 x 20 cm</td>
<td>Pack of 3</td>
<td>685 833 345132 9</td>
<td></td>
</tr>
<tr>
<td>20 x 20 cm</td>
<td>20 x 20 cm</td>
<td>Pack of 3</td>
<td>685 844 345149 9</td>
<td></td>
</tr>
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</table>

HydroTac comfort

<table>
<thead>
<tr>
<th>External Dimension</th>
<th>Internal Dimension</th>
<th>Sales Units</th>
<th>Reference Number</th>
<th>German PZN Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x 8 cm</td>
<td>3.5 x 3.5 cm</td>
<td>Pack of 10</td>
<td>685 810 345263 6</td>
<td></td>
</tr>
<tr>
<td>12.5 x 12.5 cm</td>
<td>7.5 x 7.5 cm</td>
<td>Pack of 3</td>
<td>685 814 345265 9</td>
<td></td>
</tr>
<tr>
<td>12.5 x 12.5 cm</td>
<td>7.5 x 7.5 cm</td>
<td>Pack of 10</td>
<td>685 815 345268 8</td>
<td></td>
</tr>
<tr>
<td>15 x 20 cm</td>
<td>9 x 14 cm</td>
<td>Pack of 3</td>
<td>685 820 345270 2</td>
<td></td>
</tr>
<tr>
<td>20 x 20 cm</td>
<td>14 x 14 cm</td>
<td>Pack of 3</td>
<td>685 822 345271 9</td>
<td></td>
</tr>
</tbody>
</table>

Pressure sore stages Decubitus*

*Based on the classification of the National Pressure Ulcer Advisory Panel 1999
Diabetic foot

Diabetic foot syndromes are an ulceration or disintegration of tissue on the foot, whose development is attributable to diabetic secondary diseases such as senosomotor or autonomic neuropathy and/or peripheral occlusive arterial disease.

### Wound cleansing

<table>
<thead>
<tr>
<th>Necessity</th>
<th>Infection</th>
<th>Fibrin/Exsudation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TenderWet active 24</td>
<td>PermaFoam</td>
<td>Hydrocoll</td>
</tr>
</tbody>
</table>

### Superficial wounds

- TenderWet active 24
- PermaFoam
- Sorbalgon
- Atrauman Ag2

### Deep or fissured wounds

- TenderWet active cavity
- Hydrosorb Gel

1. As primary wound dressing in combination with absorbent wound dressings.
2. PermaFoam in infected wounds only under medical supervision.

### Hydrosorb®

**Properties:**

- Hydrocoll is a transparent hydrogel dressing made of polyurethane.
- HydroTac serves as a cohesive conforming dressing.
- HydroTac comfort is a non-adhesive dressing.

**Benefits:**

- Optimum environment for cell migration thanks to the high water content of the hydrogel dressing.
- Guarantees rest of the wound required for the formation of sensitive epithelial tissue.
- Wound documentation facilitated by transparency and the grid lines on the surface.

### Hydrosorb® Gel

**Properties:**

- Hydrocoll Gel is a clear, viscous hydrogel whose components are water with an electrolytic composition, which provides a balanced moist wound environment from the very beginning.

**Benefits:**

- Can be applied directly onto the wound bed to ensure efficient drainage.
- Features two scales to show how much gel has been used and how much gel remains thus enabling easy wound documentation.
- Can be combined with all kinds of dressings.
- Dressing changes are almost painless.
- The easy handling of the syringe mechanism helps save time.
- Is very cost-efficient as the syringe can be completely emptied.

### Dressing change:

Hydrosorb Gel may be left on the wound for up to 3 days. The dressing should be changed when exudate leaks out through the secondary absorptive dressing.

### Hydrosorb Gel

**Contents:**

- 8 g
- 15 g

**Unit of sale:**

- 5 syringes
- 10 syringes

**Code No.:**

- 900 843 408478
- 900 844 369483

**German PZN no.:**

- 900 853 442662 9
- 900 854 442663 5
- 900 855 442664 1
- 900 702 025650 9
- 900 706 772119 7
- 900 723 772120 5
- 900 729 025651 5

### Hydrosorb Gel

**Contents:**

- 8 g
- 15 g

**Unit of sale:**

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- 10 syringes

**Code No.:**

- 900 843 408478
- 900 844 369483

**German PZN no.:**

- 900 853 442662 9
- 900 854 442663 5

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- 8 g
- 15 g

**Unit of sale:**

- 5 syringes
- 10 syringes

**Code No.:**

- 900 843 408478
- 900 844 369483

**German PZN no.:**

- 900 853 442662 9
- 900 854 442663 5
Hydrocoll®

Properties:
Hydrocoll is a self-adherent, absorbent hydrocolloid dressing.

Benefits:
- Simple application and good wearing comfort due to thin, highly flexible material.
- Practically no gel residues left on the wound in case of dressing changes.

Dressing change:
Hydrocoll is changed when the dressing is visibly discolored and blister formation approximately corresponds to the size of the wound.

Hydrocoll sacral

<table>
<thead>
<tr>
<th>Size</th>
<th>Unit of sale</th>
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<th>German PZN no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocoll</td>
<td>5 x 5 cm</td>
<td>Pack of 10</td>
<td>900 740 169063 3</td>
</tr>
<tr>
<td></td>
<td>7.5 x 7.5 cm</td>
<td>Pack of 10</td>
<td>900 742 169065 6</td>
</tr>
<tr>
<td></td>
<td>10 x 10 cm</td>
<td>Pack of 10</td>
<td>900 744 –</td>
</tr>
<tr>
<td></td>
<td>15 x 15 cm</td>
<td>Pack of 5</td>
<td>900 748 441987 1</td>
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<tr>
<td></td>
<td>20 x 20 cm</td>
<td>Pack of 5</td>
<td>900 749 754765 8</td>
</tr>
<tr>
<td>Hydrocoll sacral</td>
<td>12 x 18 cm</td>
<td>Pack of 5</td>
<td>900 755 754766 4</td>
</tr>
<tr>
<td>Hydrocoll thin</td>
<td>7.5 x 7.5 cm</td>
<td>Pack of 10</td>
<td>900 757 169075 1</td>
</tr>
<tr>
<td></td>
<td>10 x 10 cm</td>
<td>Pack of 10</td>
<td>900 758 754767 0</td>
</tr>
<tr>
<td></td>
<td>15 x 15 cm</td>
<td>Pack of 5</td>
<td>900 760 754768 7</td>
</tr>
<tr>
<td></td>
<td>5 x 25 cm</td>
<td>Pack of 12</td>
<td>900 754 467250 6</td>
</tr>
</tbody>
</table>

Hydrocoll concave

<table>
<thead>
<tr>
<th>Size</th>
<th>Unit of sale</th>
<th>Code No.</th>
<th>German PZN no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocoll concave</td>
<td>8 x 12 cm</td>
<td>Pack of 10</td>
<td>900 756 169074 5</td>
</tr>
</tbody>
</table>

Normal Skin
- Hydrocoll
- HydroTac
- HydroTac comfort

Sensitive skin
- Hydrocoll
- HydroTac
- Hydrocoll

The higher the degree of severity, the more cost-intensive and time-consuming the treatment.

Classification of DFS according to Wagner/Armstrong

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>with infection</td>
<td>with ischemia</td>
<td>with infection and ischemia</td>
</tr>
<tr>
<td>0</td>
<td>Pre- or post-ulcerative lesion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Superficial wound</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Wound penetrating to tendon or capsule</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Wound penetrating to bone or joint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Gangrene of some portion of the foot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Gangrene involves the whole foot</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ulcus cruris (leg ulcer)

Loss of tissue in pathologically altered tissue of the lower leg, e.g. as a result of a chronic venous insufficiency (ulcus cruris venosum), disturbed blood circulation (ulcus cruris arteriosum) or a combination of these factors (ulcus cruris mixtum).

### Wound cleansing

- Necrosis
- Infection
- Fibrin/Exudation

- TenderWet active 24
- PermaFoam²
- Sorbalgon
- Atrauman Ag¹
- Normal skin
- Sensitive skin

1 As primary wound dressing in combination with absorbent wound dressings.
2 PermaFoam in infected wounds only under medical supervision.

### Compression treatment in ulcus cruris venosum (venous leg ulcer)

- Permanent bandage
  - Varilast
  - Pehalast
  - Peha-crepp
  - Stülpa-fix
- Intermitting bandaging
  - Pütterbinde
  - Omnifix elastic
  - PermaFoam comfort

### Warning:

Compression treatment according to medical advice

### Dressing retention

- Normal skin
  - Omnifix elastic
  - Omnisilk
  - Peha-crepp
  - Pehalast
- Sensitive skin
  - Peha-crepp
  - Pehalast
  - Stülpa-fix
  - Stülpa
- Extremities
  - Pehalast
  - Stülpa-fix
  - Stülpa
- Joints
  - Stülpa-fix
  - Omnifix elastic

### Warning:

Use Peha-crepp as a cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.

---

Sorbagonal®/Sorbagonal® T

### Properties:

Sorbagonal is a dressing or tamponade composed of calcium alginate fibers. The alginate fibers transform into a gel when they come into contact with the wound secretion.

**Benefits:**
- Wound cleansing and secretion removal also in deep wounds.
- Good draping quality thanks to loose compound of fibers.

**Dressing change:**
Sorbagonal is changed after complete transformation into the gel state.

### Sorbalgon

- Properties:
  - Sorbalgon is a dressing or tamponade composed of calcium alginate fibers. The alginate fibers transform into a gel when they come into contact with the wound secretion.
  - Benefits:
    - Wound cleansing and secretion removal also in deep wounds.
    - Good draping quality thanks to loose compound of fibers.

### Classification of CEAP

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- **C**: Clinical condition
- **E**: Aethiology
- **A**: Anatomic
- **P**: Patho physiology

### Dressings

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**Warning:**

Use Peha-crepp as a cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.
Compression treatment in ulcus cruris venosum (venous leg ulcer)

Chronic venous insufficiency (CVI)*

Ulcus cruris (leg ulcer)
Loss of tissue in pathologically altered tissue of the lower leg, e.g. as a result of a chronic venous insufficiency (ulcus cruris venosum), disturbed blood circulation (ulcus cruris arteriosum) or a combination of these factors (ulcus cruris mixtum).

Wundreinigung

Infection

Exsudat +

PoorWet 24 active

Atrauman Ag1

Exsudat ++

PermaFoam2

Sorbalgon

Atrauman Ag1

Necrosis

TenderWet active 24

M

Fibrin coating

TenderWet 24 active

PermaFoam

PermaFoam comfort

PermaFoam cavity

PermaFoam concave

PermaFoam sacral

Warning:
Use Peha-haft as a cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.

PermaFoam

Properties:
PermaFoam is a hydroactive polyurethane foam dressing with special pore structure which enables fast and optimal absorption of wound exudate, viscous secretions and cell debris.

Benefits:
- Promotes granulation due to specially structured pores.
- Improved protection against macerations.
- Ideal for the compression treatment of ulcus cruris venosum (venous leg ulcer).

Dressing change:
PermaFoam can remain on the wound for up to four days.

Tempo

Properties:
Tempo is a polyurethane foam dressing with special pore structure which enables fast and optimal absorption of wound exudate, viscous secretions and cell debris.

Benefits:
- Promotes granulation due to specially structured pores.
- Improved protection against macerations.
- Ideal for the compression treatment of ulcus cruris venosum (venous leg ulcer).

Dressing change:
Tempo can remain on the wound for up to four days.

Tempo

Warning:
Use Tempo as a cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.

Tempo

Classification of CEAP

C-Clinical condition
0 No visible/palpable findings
1 Telangiectasia or reticular veins
2 Trunc or branch varicosity
3 Venous oedema
4 Skin changes
5 An healed venous ulcer
6 An open venous ulcer

E-Aethiology
Inborn (C)
Primary/indefinable Cause (P)
Secondary/definable Cause (S)

A-Anatomic
Superficial vein (C)
Deep veins (D)
Vv. perforantes (P)

P-Patho physiology
Reflux (R)
Obstruction (O)

Premier

Premier sacral

Premier concave

Premier cavity

Premier tracheostomy

Hydrocoll thin

HydroTac thin

HydroTac comfort

HydroTac comfort

Hydrocoll

HydroTac

HydroTac comfort

HydroTac

Hydrosorb

Normal skin

Sensitive skin

Warning:
Compression treatment according to medical advice
*according to the Widmer classification

Warning:
Premier sacral as a cohesive conforming bandage with caution in patients with circulatory disturbances. Do not apply too tightly.
### TenderWet® active

**Properties:**
TenderWet active is a wound dressing pad made of polyacrylate which is pre-activated with Ringer's solution and ready to use.

**Benefits:**
- Efficient cleansing thanks to the active absorbing and rinsing effect.
- Deprives germs of the condition for growth.
- High absorption capacity, even under compression treatment.

**Dressing change:**
TenderWet 24 active and TenderWet active cavity in combination with TenderWet 24 active are changed after approx. 24 hours.

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### TenderWet active cavity

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### Atrauman® Ag

**Properties:**
Atrauman Ag is a silver-containing contact layer which can be combined with absorbent wound dressings.

**Benefits:**
- Safe germ destruction with low cytotoxicity.
- Macerations are avoided through care of wound edges.
- Ideal prophylaxis against infections.
- Conforms easily to any wound surface.

**Dressing change:**
Atrauman Ag can remain on the wound for up to three days.

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"... for superficial wounds..."