Venous Wounds –
Continuing Clinical Challenges

Up to 6 million people in the United States suffer from venous leg ulcers annually¹ including at least 2.5 percent of the long term care population. In the UK, district nurses spend about 50 percent of their time treating leg ulcers.²
Absorbs
In order to accommodate the full range of exudate levels, PolyMem wicks up to ten times its weight in exudate from venous ulcers.

Moistens
Keeps the wound bed moist and soothes traumatized tissues, helping to relieve wound pain and providing comfort at the often painful venous ulcer site. The moisturizer also helps keep the dressing pad from adhering to the wound so it removes with virtually no pain or trauma, improving caregiver-patient interaction and the overall care experience.

Cleanses
Contains a mild nonionic, nontoxic, tissue friendly cleansing agent, activated by moisture, that is gradually released into the wound bed to promote effective autolytic debridement. The built-in continuous cleansing capabilities usually eliminate the need to cleanse the venous ulcer so you can avoid disrupting the growth of healthy new tissue, cooling the wound by rinsing or causing pain during the dressing change process.

Fills
Gently expands to fill and conform to the contours of the venous ulcer and the patient’s body, which helps maintain a moist wound healing environment.

Venous Insufficiency Leads to Venous Wounds

Patients are at risk for venous ulcers and venous dermatitis due to inflammation, hypoxia and edema caused by underlying venous hypertension (abnormally high venous pressure). Venous hypertension is caused by chronic venous insufficiency (CVI). CVI is the chronic inability to pump enough blood from the legs back to the heart. CVI is the result of one or more of these pathologies:

• Obstruction of the veins (usually thrombosis, but also increased abdominal pressure from obesity, pregnancy, etc.)
• Failure of the muscle pump related to inactivity, paralysis, decreased ankle range of motion or disease
• Incompetent one-way valves in the veins

Signs and symptoms associated with late stage Venous Hypertension or CV include:

• Venous leg ulcers:
  – painful in 90 percent of all cases
  – recurrent in up to 72 percent of all patients
  – at least 50 percent take more than a year to close, with about 34 percent taking more than 5 years

• Lower leg dermatitis:
  – itching, with scratching, leading to ulcer formation
  – dry scaling or weeping crusts
  – brown staining (hemosiderin deposits)
  – thickened skin with scales
  – fibrotic skin that causes the lower 1/3 of the lower leg to be thin, giving the appearance of an inverted champagne bottle (lipodermatosclerosis)
  – hypersensitivity to allergens, such as products initially used to decrease itching and dryness or to treat ulcers and infection

PolyMem® The ideal venous wound management tool™

Built right into each PolyMem dressing, these four capabilities are ready when you need them – without incurring extra costs or gathering additional supplies.
PolyMem® The perfect fit for your venous insufficiency patients.

Why PolyMem for Venous Ulcers and Venous Dermatitis?

- PolyMem helps promote healing of venous ulcers and venous dermatitis.10,11
- PolyMem contains a mild nonionic, nontoxic, tissue friendly cleansing agent, which helps to continuously remove the fibrous slough that is a hallmark of venous ulcers. This built-in cleanser usually eliminates the need for painful and disruptive manual wound bed cleansing during dressing changes.10,11
- PolyMem helps decrease inflammation.12 Prolonged local inflammation is a key underlying cause of both venous ulcers and venous dermatitis.3,4,5 Inflammation is the single greatest cause of wound pain.13,14
- PolyMem contains a superabsorbent starch copolymer to lock moisture in the dressing and remove exudate from the wound. This can eliminate maceration.10,11,15,16,17,22,23 PolyMem is available in multiple configurations which can be used to manage venous wounds that range from dry to heavily exuding.
- PolyMem helps relieve the often chronic and severe pain of venous ulcers.10,15,16,17 PolyMem helps reduce wound pain by altering the actions of certain pain sensing nerve endings.12
- PolyMem contains glycerol which helps assure the dressing is non-adherent to the wound bed18 and reduces the foul odors often associated with venous ulcers.19
- PolyMem helps relieve pruritus (itching),10 which is common with venous dermatitis.7
- PolyMem may be used under compression and does not have a tendency to create pressure point injury due to its all around soft structure and conformability to the patient’s body.21
- PolyMem Silver® contains small particle silver that helps kill absorbed microorganisms without leaching into the wound bed.20

PolyMem’s formulation improves venous wound outcomes.

**EXAMPLE OF ACTUAL CLINICAL RESULT - NON-HEALING VENOUS ULCER**

Granulation at first weekly dressing change of this highly exuding, venous ulcer; compressed with multi-layered wrap

Second weekly dressing change; decreased edema, closing quickly; multi-layered compression continued

Fourth and final visit, closed. Fitted for compression hosiery

**EXAMPLE OF ACTUAL CLINICAL RESULT - VENOUS DERMATITIS**

Fibrin, slough-filled venous dermatitis wounds. Pain, initially 10 (on 0-10 scale), almost completely eliminated by day 5; compressed with multi-layered wrap

Almost closed at six weeks. Pruritis (itching) significantly diminished; multi-layered compression continued

Six months after patient’s final wound care visit, skin remains intact
PolyMem is optimized for each compression type and exudate level.

<table>
<thead>
<tr>
<th>Compression Types</th>
<th>Elastolic Compression</th>
<th>Inelastic Compression</th>
<th>No Compression</th>
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<tbody>
<tr>
<td>Multi-layer Wraps</td>
<td>Compression Hosery</td>
<td>Unna’s Boot</td>
<td>Short Stretch Bandages</td>
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<td>Stretch Gauze, Etc.</td>
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**Wound Condition**

- **Heavily exuding venous ulcers**
  - PolyMem Max® or PolyMem Wic®, which allows exudate to wick away from skin into absorptive layers
  - PolyMem Max; add PolyMem Wic under PolyMem Max for extra absorbency

- **Low or moderately exuding venous ulcers**
  - PolyMem; or PolyMem Max when longer wear times are desired

- **Venous dermatitis**
  - PolyMem

Configurations that include silver are ideal when antimicrobial activity is desired.

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