OVERVIEW
Negative pressure wound therapy (NPWT) consists of the use of a negative pressure or suction device to reduce infection and promote healing in wounds of various etiologies.

PRIOR AUTHORIZATION
BlueCHiP for Medicare and Commercial
Prior Authorization is required for BlueCHiP for Medicare and recommended for Commercial Products after 45 days.

POLICY STATEMENT
BlueCHiP for Medicare and Commercial
Negative pressure wound therapy is covered for the first 45 days without prior authorization. Prior Authorization is recommended/required after the initial 45 days. Once the service has been approved after the initial 45 days, continued services will be re-reviewed every 30 days.

Services not meeting the criteria are considered not medically necessary.

In addition, NWPT is not medically necessary for the following indications as there is no clinical information that supports the efficacy of treatment:

- wounds with eschar if debridement is not attempted
- untreated osteomyelitis within the vicinity of the wound
- cancer present in the wound
- active bleeding
- the presence of a fistula to an organ or body cavity within the vicinity of the wound

MEDICAL CRITERIA
BlueCHiP for Medicare and Commercial

NPWT is indicated for use for patients who have meet the criteria for the type of wound, documentation to support treatment and wound improvement and have failed all other forms of treatment.

Type of Wound
Must meet one of the following

- Stage III or IV pressure ulcers;
- Neuropathic (for example, diabetic) ulcers;
- Chronic arterial or venous insufficiency ulcers;
- Complications of surgically created or traumatic wounds.
Documentation to support treatment

Must meet all criteria for the particular wound

Stage III or IV pressure ulcers:
- Has been appropriately turned and positioned, and
- Has used a support surface for pressure ulcers on the posterior trunk or pelvis
- Moisture and incontinence have been appropriately managed

Neuropathic (for example, diabetic) ulcers:
- The beneficiary has been on a comprehensive diabetic management program, and
- Reduction in pressure on a foot ulcer has been accomplished with appropriate modalities

Venous insufficiency ulcers:
- Compression bandages and/or garments have been consistently applied, and
- Leg elevation and ambulation have been encouraged

Continuation of Services (after initial 45 days)

Documented improvements must meet one of criteria below:

- the development and presence of healthy granulation tissue
- progressive wound contracture and decreasing depth,
- the commencement of epithelial spread from the wound margins.

Continuation of the powered NPWT system is considered not medically necessary when any of the following occurs:
- The wound has developed evidence of wound complications contraindicating continued NPWT, OR
- The wound has healed to an extent that either grafting can be performed or the wound can be anticipated to heal completely with other wound care treatments.

BACKGROUND

The management and treatment of chronic wounds, including decubitus ulcers, remain a treatment challenge. Most chronic wounds will heal only if the underlying cause, i.e., venous stasis, pressure, infection, etc., is addressed. In addition, cleaning the wound to remove nonviable tissue, microorganisms, and foreign bodies is essential to create the optimal conditions for either re-epithelialization (i.e., healing by secondary intention) or preparation for wound closure with skin grafts or flaps (i.e., healing by primary intention). Therefore, debridement, irrigation, whirlpool treatments, and wet-to-dry dressings are common components of chronic wound care.

Negative pressure wound therapy (NPWT) consists of the use of a negative pressure therapy or suction device to aspirate and remove fluids, debris, and infectious materials from the wound bed to promote the formation of granulation tissue. The devices may be used as an adjunct to surgical therapy or as an alternative to surgery in a debilitated patient. Although the exact mechanism has not been elucidated, it is hypothesized that negative pressure contributes to wound healing by removing excess interstitial fluid, increasing the vascularity of the wound, reducing edema and/or creating beneficial mechanical forces that lead to cell growth and expansion.
Evidence from comparative clinical trials demonstrated that there is a subset of problematic wounds where the use of negative pressure wound therapy (NPWT) may provide a significant clinical benefit. Use of NPWT for other wounds is considered not medically necessary as these wounds are likely to heal with conventional wound management, i.e., the evidence does not demonstrate an incremental improvement in wound healing with use of the NPWT for these cases.

Reports with small numbers of patients using the non-powered (mechanical) gauze-based NPWT system are insufficient to draw conclusions about its impact on net health outcome, both for the device itself and in comparison with current care. There are important unanswered questions about efficacy and tolerability. Well-designed comparative studies with larger numbers of patients are needed. Since the impact on net health outcome compared to existing technology is not known, non-powered (mechanical) NPWT is considered not medically necessary as there is no proven efficacy.

**COVERAGE**

**BlueCHiP for Medicare and Commercial:**

Benefits may vary between groups/contracts. Please refer to the appropriate evidence of coverage, subscriber agreement, or Benefit Booklet for the applicable Medical Equipment, Medical Supplies, and Prosthetic Devices benefit/coverage.

Concurrent use of Hyperbaric Oxygen Therapy (HBO) and Vacuum-Assisted Wound Closure: see hyperbaric oxygen therapy medical policy for clinical indications. Coverage is based on limited criteria and medical review is needed for this service.

**CODING**

**BlueCHiP for Medicare and Commercial:**

The following codes are covered when the above medical criteria has been met:

<table>
<thead>
<tr>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>97605, 97606, E2402</td>
</tr>
</tbody>
</table>

The following codes are covered:

<table>
<thead>
<tr>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G0456, G0457, K0743, K0744, K0745, K0746</td>
</tr>
</tbody>
</table>

The following code is considered not medically necessary:

<table>
<thead>
<tr>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A9272</td>
</tr>
</tbody>
</table>

**RELATED POLICIES**

Coding and Payment Guidelines

**PUBLISHED**

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 2014</td>
<td>Provider Update</td>
</tr>
<tr>
<td>Feb 2013</td>
<td>Provider Update</td>
</tr>
<tr>
<td>Sept 2011</td>
<td>Provider Update</td>
</tr>
<tr>
<td>Dec 2010</td>
<td>Provider Update</td>
</tr>
<tr>
<td>Feb 2009</td>
<td>Provider Update</td>
</tr>
<tr>
<td>Sept 2009</td>
<td>Provider Update</td>
</tr>
<tr>
<td>Oct 2005</td>
<td>Policy Update</td>
</tr>
<tr>
<td>May 2004</td>
<td>Policy Update</td>
</tr>
</tbody>
</table>

**REFERENCES**


