

# Post-Acute Case Studies

Learn how 3M Negative Pressure Wound Therapy (NPWT) and Advanced Wound Care (AWC) solutions can help provide comprehensive wound management from start to finish.





# Introduction

This booklet includes case studies across several wound types. As with any case study, the results and outcomes should not be interpreted as a guarantee or warranty of similar results. Individual results may vary depending on the patient's condition and circumstances.

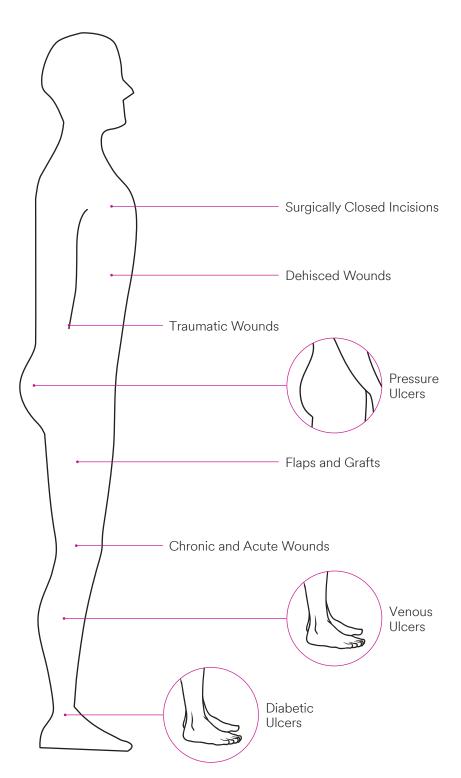
NOTE: Specific indications, contraindications, warnings, precautions, and safety information exist for these products and therapies, some of which may be Rx only. Please consult a clinician and product instructions for use prior to application.

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# 3M<sup>™</sup> V.A.C.<sup>®</sup> Therapy System and 3M<sup>™</sup> Snap<sup>™</sup> Therapy System Indicated Wound Types

These 3M Negative Pressure Wound Therapy (NPWT) products are indicated for the following wound types:





# Benefits of <u>Early Initiation</u> of 3M™ V.A.C.® Therapy on Acute and Chronic Wounds have been demonstrated in acute care, long-term acute care, and home health care.\*1-3

In a retrospective analysis of 4,739 acute and chronic wounds,\*\* when V.A.C.® Therapy was initiated early in the wound care center setting, treatment time period compared to late initiation, the median days to reach significant closure (75% wound surface area reduction) were:4







Additionally, the early group was **twice as likely** to reach 75% wound surface area (WSA) reduction as the late group for both acute and chronic wounds.

# Early initiation of V.A.C.® Therapy has led to:



Reduced inpatient days in acute and intensive care unit by at least 50%.<sup>5</sup>



Reduced homecare length of stay by 34% for surgical wounds.<sup>2</sup>



Reduced inpatient days in long term acute care by 30%.3



Reduced homecare length of stay by 49% for pressure injuries.<sup>2</sup>

<sup>\*</sup>Early NPWT was defined for acute wounds as treatment initiated within the first 7 days from the first wound treatment date and within 30 days for chronic wounds; late NPWT initiation occurred after this time. A secondary analysis was conducted on a sub-set of patients where Charlson Co-morbidity Index Scores ≤5, to assess Early vs. Late cost differences by wound type, excluding the sickest patients with significant non-wound long-term care costs; this cohort represented 80% of the wounds.

<sup>\*\*</sup>The US Wound Registry was used in this retrospective analysis that examined 4,739 acute and chronic wounds (56.7% and 43.3%, respectively) that received NPWT, from 3,604 patients treated in 56 outpatient WCCs from 11-Nov-2000 through 16-Jul-2010. For Acute Wounds, median days from first visit to 75% Wound Surface Area (WSA) reduction was 40.4 days for early group vs. 81.6 days for late group, or 1/2 the time for the early group (p<0.0001). For Chronic Wounds, median days from first visit to 75% WSA reduction was 96.4 days for early group vs. 274.6 days for late group, or 1/3 the time for the early group (p<0.0001).

# 3M™ ActiV.A.C.™ Therapy System at a Glance

A portable Negative Pressure Wound Therapy device designed for the ambulatory patient.

The ActiV.A.C.™ Therapy System was specifically developed for the mobile wound care patient, to help them resume their activities of daily living while still receiving the proven benefits of 3M™ V.A.C.® Therapy.

- Lightweight weighs only 2.4 pounds
- Small size with a low profile that can be worn close to the body
- Easy-to-use
- Alarm notifications that are easy to recognize and correct
- Continuous or Intermittent therapy
- Pressure settings from -25mmHg to -200mmHg
- Easy, quick release 300mL canister
- 14-hour battery for activities of daily living
- Only V.A.C.<sup>®</sup> Therapy Devices provide patented 3M<sup>™</sup> SensaT.R.A.C.<sup>™</sup> Technology, a real time pressure monitoring feedback system

There are numerous studies that have evaluated the cost-effectiveness of V.A.C.® Therapy in a variety of settings and indicated wound types.



# These studies have shown that V.A.C.® Therapy has been associated with:

- Fewer hospitalizations<sup>6,8</sup>
- Fewer complications<sup>7,8</sup>
- Fewer amputations<sup>9,10</sup>
- Fewer dressing changes<sup>11,12</sup>
- Faster time to wound healing<sup>13</sup>
- Shorter hospitalization<sup>9,10</sup>
- Reduced treatment times 14,15

By minimizing the factors that contribute to direct and indirect wound care costs, V.A.C.® Therapy has emerged as a cost-effective option for wound management.

# **3M<sup>™</sup> Snap<sup>™</sup> Therapy System at a Glance**

A unique and convenient disposable negative pressure wound therapy (dNPWT) solution, ideal for patients who might benefit from silent, hidden and portable wound care.

The Snap<sup>™</sup> System combines the simplicity of advanced wound dressings with the proven benefits of negative pressure therapy in a discreet design.<sup>16</sup>

- Mechanically powered and portable for patient mobility
- No settings or adjustments for patient to learn
- Preserves patient quality of life (QOL)<sup>16</sup>
- Discreet and worn under clothing
- Silent design ensures minimal sleep interruptions<sup>16</sup>
- Continuous -125mmHg therapy
- Single-use, disposable NPWT
- Off-the-shelf availability

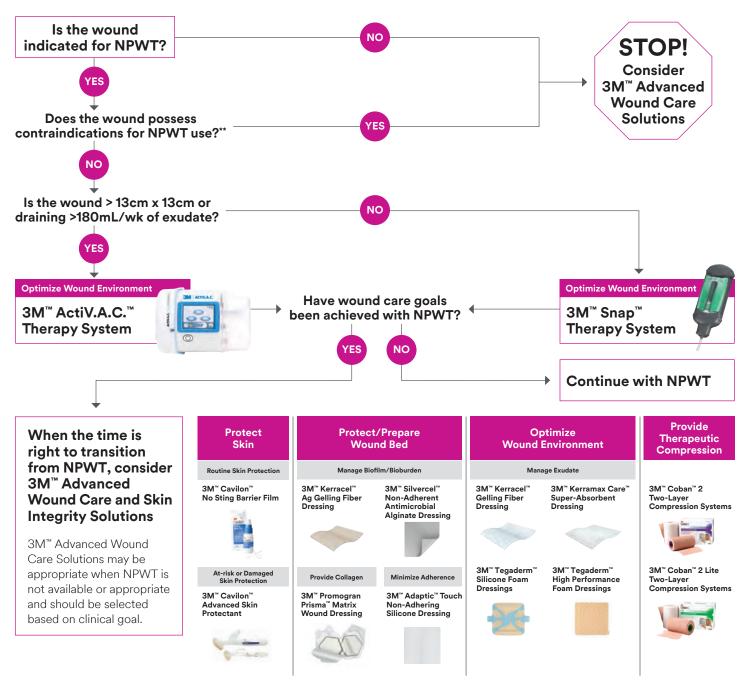




# **Select the Appropriate Product**

Wound/Clinical Considerations (Non-Hospital)							
Criteria	3M <sup>™</sup> ActiV.A.C. <sup>™</sup> Therapy System	3M <sup>™</sup> Snap <sup>™</sup> Therapy System					
Wound Size	> 13cm x 13cm	≤ 13cm x 13cm					
Wound Drainage	> 180mL/week	≤ 180mL/week (3) x 60mL cartridges/week					
NPWT Initiation	Previously treated with Modern Wound Care; > Day 30	First line treatment; Day 1* (No 30 day requirement for modern wound care, No minimum depth)					

<sup>\*</sup>May vary by payor.



<sup>\*\*</sup>NOTE: Specific indications, contraindications, warnings, precautions, and safety information exist for these products and therapies, some of which may be Rx only. Please consult a clinician and product instructions for use prior to application.

# Sequential Wound Management Employing a Multimodal Approach to Wound Dehiscence Post Metatarsalphalangeal Joint Arthrodesis

#### **Patient**

A 74-year-old male was referred to the wound care clinic and presented with a surgically dehisced wound to the right lower extremity. The patient's past medical history included: degenerative joint disease, hallux rigidus, peptic ulcer disease, and three prior surgeries to the first metatarsalphalangeal (MTP) joint.

### **Diagnosis**

The patient presented with an infected, dehisced surgical incision with eschar status post MTP joint arthrodesis (**Figure 1**). The patient opted for an effort to salvage the right hallux.

#### **Course of Treatment**

The patient was referred to a vascular specialist and received an arteriogram of the lower extremities. Per the ankle-brachial index, the right toe pressures were suggestive of less than optimal potential for wound healing. He underwent a percutaneous transluminal (PT) angioplasty to treat an occlusion in the right posterior tibial artery. The presence of osteomyelitis prompted the removal of the surgically installed hardware and the patient declined amputation of the right hallux (Figure 2). The patient was referred to an Infectious Disease specialist and was administered antibiotics to manage the infection. He underwent a bone resection of the right hallux, and the patient was discharged home with an 3M™ ActiV.A.C.™ Therapy System (-125mmHg) with 3M<sup>™</sup> V.A.C.® Granufoam<sup>™</sup> Dressing (Figure 3). Dressing changes occurred every 2-3 days. On postoperative day (POD) 21, the wound was evaluated, an allograft was applied (Figure 4), and the ActiV.A.C. Therapy System with V.A.C.® Granufoam™ Dressing was used to bolster the protected graft. As the allograft demonstrated appreciable take, 3M™ V.A.C.® Therapy was discontinued.

## Discharge and Follow-up

Treatment transitioned to the use of 3M™ Promogran Prisma™ Matrix to facilitate tissue granulation and wound closure. Promogran Prisma Matrix was applied to the wound on POD 35 (Figure 5). On POD 49, the wound was reevaluated and treatment with Promogran Prisma Matrix continued (Figure 6). Seventy days (POD 70) following the bone resection, the wound was almost closed (Figure 7).

- Administration of antibiotics managed by Infectious Disease
- Hardware removal
- Arterial duplex ensued by vascular referral with arteriogram with PT angioplasty
- Intravenous antibiotics
- Resection of infected bone followed by conventional negative pressure wound therapy using the ActiV.A.C.
   Therapy System with V.A.C.® Granufoam™ Dressing
- Application of allograft with ActiV.A.C. Therapy System with V.A.C.<sup>®</sup> Granufoam<sup>™</sup> Dressing to bolster the allograft
- Application of Promogran Prisma Matrix

# Case Study 1: Figures 1–7



**Figure 1.** Right foot at presentation status post MTP joint arthrodesis demonstrating surgical incision dehiscence with eschar.



**Figure 2.** Right hallux following hardware removal and prior to infected bone resection.



Figure 3. Wound following infected bone resection and the application of 3M™ ActiV.A.C.™ Therapy System with 3M™ Granufoam™ Dressing.



Figure 4. Wound covered with allograft on POD 21 prior to being bolstered with ActiV.A.C.™ Therapy System.



**Figure 5.** Wound filled with 3M™ Promogran Prisma™ Matrix on POD 35.



**Figure 6.** Wound on POD 49 following treatment with Promogran Prisma Matrix.



**Figure 7.** At follow-up appointment (POD 70), the wound on the right hallux is almost closed.

Patient data and photos courtesy of Robert J. Klein, DPM, FACFAS, CWS; Department of Surgery, University of South Carolina – School of Medicine, Greenville, South Carolina

# Multimodal Management of Gas Gangrene and a Diabetic Foot in a Post-acute Setting

#### **Patient**

A 44-year-old female presented to the Emergency Department with gangrene of the fourth toe, blanching of the sulcus of the forefoot and erythema of the plantar medial arch that extended upward **(Figure 1)**. Six days prior, the patient reportedly dropped canned food on the left foot. The patient had type 2 diabetes, which was poorly controlled. However, she had no other known comorbidities, prior foot infection or ulceration.

## **Diagnosis**

The patient presented septic with gas seen on an X-ray of the left foot. The patient was diagnosed with gas gangrene and a diabetic left foot.

#### **Course of Treatment**

The patient was taken to the operating room (OR) for emergent incision and drainage of the affected foot. The surgeon performed an open amputation of the second, third, fourth and fifth toes (Figure 2). Necrotic and grossly infected tissue was excised. The surgical defect of the open foot was packed and dressed using saline moistened gauze. The patient was admitted to the acute floor and administered intravenous antibiotics. On postoperative Day 3, the patient returned to the OR for debridement, washout and surgical revision of the open foot. Partial closure was achieved on the plantar arch. 3M™ V.A.C.® Therapy was initiated to the remaining open wound. Dressings changes occurred every 3 days.

## Discharge and Follow-up

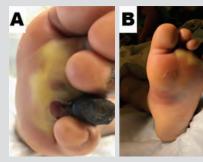
One week later, the patient was discharged home with V.A.C.® Therapy and further instructed to be non-weight bearing on the left foot. A home health nurse changed 3M™ V.A.C.® Dressing every 2–3 days. The patient was seen in the clinic for follow-up twelve days status post debridement, washout, partial delayed primary closure and V.A.C.® Therapy (Figure 3A). Dressing changes occurred every 2–3 days. Maceration was noted along the sutured plantar incision and V.A.C.® Therapy over the open wound was suspended for 1 week (Figure 3B).

To address the maceration, a povidone-iodine solution (Betadine®; Avrio Health LP, Stamford, Connecticut) was enlisted to promote drying and to serve as a bactericidal agent. Additionally, calcium alginate was employed as the primary dressing during the week-long suspension of V.A.C.® Therapy. After one week, V.A.C.® Therapy resumed over the open wound, and wound progression was evaluated each week (Figure 4). After seven weeks, V.A.C.® Therapy was discontinued. The remaining wound was without depth, demonstrated reduced wound area and was occupied by 100% granulation tissue (Figure 5).

The 3M™ Snap™ Therapy System was then enlisted to provide negative pressure wound therapy as the patient awaited approval of a biologic medical product (Figure 6). Upon approval of the biologic, the Snap Therapy System was discontinued. To facilitate wound closure, a bilayered human skin equivalent composed of living cells (Apligraf®; Organogenesis Inc., Canton, MA) was applied and covered with a nonadherent dressing. The human skin equivalent was applied weekly for seven weeks (Figure 7). At eight weeks, wound closure was achieved. The patient returned to the clinic nineteen weeks after the resolution of the wound for a follow-up appointment (Figure 8). The previously affected site was still intact and remained completely healed.

- Emergent surgical incision and drainage
- Open amputation and excision of necrotic and grossly infected tissue
- Surgical defect packed with saline moistened gauze
- Intravenous antibiotics
- Surgical revision with debridement and washout
- V.A.C.® Therapy to promote granulation tissue formation and create an environment to promote wound healing dimensions
- Povidone-iodine solution (Betadine®; Avrio Health LP, Stamford, Connecticut)
- Calcium alginate dressing
- Snap Therapy System as a transitional therapy between V.A.C.<sup>®</sup> Therapy discontinuation and application of skin substitute
- Living cellular skin substitute (Apligraf®; Organogenesis Inc., Canton, MA)

# Case Study 2: Figures 1–8



**Figure 1.** Left diabetic foot with gas gangrene at presentation. A. Gangrene of the fourth toe with blanching of the sulcus of the forefoot. B. Gangrene of the fourth toe, blanching of the sulcus of the forefoot and erythema extending up the plantar medial arch.



of open wound.

Figure 2. Left diabetic foot on postoperative Day 3 and prior to the second surgical procedure. A. Ventral aspect of open wound demonstrating the amputation of the 2nd through 5th toes. B. Dorsal aspect

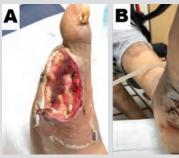


Figure 3. Left diabetic foot 12 days after second surgical procedure. A. Open foot wound after one week of 3M™ V.A.C.® Therapy. B. Macerated tissue distributed along the length of the primary closed plantar arch.



**Figure 4.** Left diabetic foot after four weeks of V.A.C.® Therapy. A. Open foot wound exhibiting bright beefy red tissue following four weeks of V.A.C.® Therapy. B. Ventral aspect of primary closed plantar arch.



**Figure 5.** After seven weeks of V.A.C.® Therapy, the open wound of the left diabetic foot was without depth as well as demonstrated reduced wound area and 100% tissue granulation. Having achieved therapeutic goals, V.A.C.® Therapy was discontinued.



**Figure 6.** The 3M<sup>™</sup> Snap<sup>™</sup> Therapy System was applied to the wound as the patient awaited approval for a biologic medical product.



**Figure 7.** Wound after weekly applications of a living cellular skin substitute. A. Wound at four weeks. B. Wound at seven weeks.



**Figure 8.** Left foot 19 weeks after wound resolution. A. Dorsal aspect of foot with resolved wound. B. Ventral aspect of foot with resolved plantar incision.

 $Patient\ data\ and\ photos\ courtesy\ of\ Colin\ J.\ Traynor,\ DPM,\ Parnassus\ Heights\ Podiatry\ Group,\ San\ Francisco,\ California.$ 

# Management of an Infected Incision and Drainage Wound with Undermining in a Post-acute Setting

#### **Patient**

A 28-year-old female presented to the outpatient wound clinic following hospitalization for an infected wound on the lower extremity **(Figure 1)**. Three days prior, the patient underwent incision and drainage (I&D) for septic bursitis of the left knee. Aside from asthma, she had no other known medical history.

#### **Diagnosis**

The patient had been previously diagnosed with abscess of the left knee prepatellar bursa. The patient presented to the clinic with an incision and drainage wound measuring 4.0 × 1.4 × 0.9cm<sup>3</sup> with 2.5cm with undermining at the 9 o'clock position. The patient initially received an intravenous antibiotic and was transitioned to an oral antibiotic based on wound culture result.

#### **Course of Treatment**

Following an evaluation of the wound, negative pressure wound therapy using the 3M<sup>™</sup> ActiV.A.C.<sup>™</sup> Therapy System was recommended to manage the wound created from the I&D defect. 3M<sup>™</sup> V.A.C.<sup>®</sup> Granufoam<sup>™</sup> Dressing was applied to the defect, and 3M<sup>™</sup> V.A.C.<sup>®</sup> Therapy was initiated at -125mmHg of continuous subatmospheric pressure. Dressing changes occurred every 2–3 days. After 3 weeks of V.A.C.<sup>®</sup> Therapy, the undermining had resolved, and the wound measured 2.2 × 0.7 × 0.2cm<sup>3</sup> (Figure 2). The wound exhibited a reduction in volume and was occupied by granulation tissue. V.A.C.<sup>®</sup> Therapy was reapplied for 2 more weeks.

#### Discharge and Follow-up

Five weeks after her initial presentation at the wound care clinic, the patient's wound measured 1.1 × 0.3 × 0.1cm<sup>3</sup> (**Figure 3**). V.A.C.® Therapy was discontinued.

- Incision and drainage of bursa abscess
- Intravenous Antibiotics
- Oral antibiotic based on culture sensitivity assay
- Negative pressure wound therapy using the ActiV.A.C.
   Therapy System with V.A.C.® Granufoam™ Dressing

# Case Study 3: Figures 1–3



**Figure 1.** Infected left knee wound (4.0 x 1.4 x 0.9cm³) with undermining (2.5cm) status post I&D three days prior.



**Figure 2.** Left knee wound (2.2 x 0.7 x 0.2cm<sup>3</sup>) after three weeks of  $3M^{\sim}$  V.A.C. Therapy.



**Figure 3.** Left knee five weeks after initial presentation and measuring 1.1 x 0.3 x 0.1cm<sup>3</sup>.

Patient data and photos courtesy of Jonathan F. Arnold, MD, ABPM-UHM, CWS-P; Healing Center at Mercy Medical Center, Cedar Rapids, IA.

# Sequential Wound Management Employing a Multimodal Approach to Manage an Infected Diabetic Foot Wound

#### **Patient**

A 53-year-old female was admitted to the hospital with sepsis derived from an infected diabetic foot. The patient's past medical history included: type 2 diabetes, coronary artery disease, chronic kidney disease, hypertension, peripheral neuropathy, depression, anxiety disorder, panic disorder and fibromyalgia.

## **Diagnosis**

The patient presented with sepsis via an infected diabetic left foot. The patient was administered intravenous antibiotics to manage the infection.

#### **Course of Treatment**

On the day of admission, a vascular fellow and vascular surgery attending physician took the patient to the operating room (OR) for emergent incision and drainage of the affected foot (Figure 1). The presence of osteomyelitis prompted a hallux and first ray amputation (Figure 2). On postoperative day (POD) 1, 3M<sup>™</sup> Veraflo<sup>™</sup> Therapy was enlisted to cleanse the surgical defect; 14mL of normal saline was instilled with a 10-minute dwell time, followed by 3.5 hours of subatmospheric pressure (-125mmHg). Dressing changes occurred every 2-3 days, the patient received 5 days of 3M<sup>™</sup> Veraflo<sup>™</sup> Therapy. The patient was discharged home with a 3M™ ActiV.A.C.™ Therapy System with 3M<sup>™</sup> V.A.C.<sup>®</sup> Granufoam<sup>™</sup> Dressing. On POD 7, the open wound was evaluated (Figure 3), and 3M™ ActiV.A.C.™ Therapy System with 3M<sup>™</sup> V.A.C.<sup>®</sup> Granufoam<sup>™</sup> Dressing was continued. On POD 35, it was felt that additional therapy was needed using ActiV.A.C. Therapy System with V.A.C.® Granufoam<sup>™</sup> Dressing (Figure 4). The patient was expected to be non-weight bearing on the left foot. Dressing changes occurred every 2-3 days. After 2 weeks (POD 49), V.A.C.® Therapy was discontinued as the wound cavity was filled and wound edges were brought together (Figure 5). To facilitate wound closure, 3M™ Promogran Prisma™ Matrix was applied to the wound (Figure 6).

## Discharge and Follow-up

Ten weeks (POD 70) from the initial surgery, the wound achieved closure (Figure 7). The patient was seen in the clinic for her follow-up appointment, and the previously affected site was intact and remained closed. (Figure 8). The patient was ambulatory, utilizing diabetic shoes and insoles.

- Emergent surgical incision and drainage
- First ray resection along with amputation of the hallux
- Intravenous antibiotics
- Veraflo Therapy to cleanse the wound
- Conventional negative pressure wound therapy using the ActiV.A.C. Therapy System with V.A.C.® Granufoam™ Dressing
- Promogran Prisma Matrix

# Case Study 4: Figures 1–8



**Figure 1.** Infected left diabetic foot following emergent incision and drainage.



**Figure 2.** Left diabetic foot following ray amputation of the hallux.



Figure 3. Open foot wound after five days (POD 7) of 3M™ Veraflo™ Therapy. Patient transitioned to conventional negative pressure wound therapy using the 3M™ ActiV.A.C.™ Therapy System.



**Figure 4.** Left diabetic foot on POD 35. Application of the ActiV.A.C. Therapy System was continued.



**Figure 5.** Left diabetic foot on POD 49. Having achieved therapeutic goals, V.A.C.® Therapy was discontinued.



**Figure 6.** Left diabetic foot on POD 63, after receiving 3M™ Promogran Prisma™ Matrix for two weeks.



**Figure 7.** Wound closed on POD 70, ten weeks from initial surgical procedure.



**Figure 8.** Left foot at follow-up appointment demonstrating wound remained closed.

Patient data and photos courtesy of Robert J. Klein, DPM, FACFAS, CWS; Department of Surgery, University of South Carolina – School of Medicine, Greenville, South Carolina.

# **Venous Stasis Ulcer of the Lower Extremity**

#### **Patient**

A 72-year-old male presented to the outpatient wound clinic with a venous leg ulcer (VLU) **(Figure 1)**. The wound was extremely painful and unable to be adequately debrided in clinic. His previous medical history included peripheral vascular disease.

## **Diagnosis**

The patient had a venous stasis ulcer of the left lower extremity. The patient received perioperative antibiotics and was continued on oral antibiotics for 10 days.

#### **Course of Treatment**

Following an initial evaluation of the VLU, the patient was taken to the operating room (OR) for the excision of non-viable tissue **(Figure 2)**. 3M<sup>™</sup> Veraflo<sup>™</sup> Therapy was initiated (Figure 3); 30mL of normal saline was instilled with a 20-minute dwell time, followed by continuous subatmospheric pressure (-125mmHg) for 2 hours. Dressing changes should occur every 2-3 days. The patient returned to the OR (Day 4) for STSG harvesting (Figure 4). The STSG was applied over the VLU and an allograft placental matrix (AmnioBand® Particulate; MTF Biologics, Edison, NJ) was distributed over the graft to optimize healing (Figure 5). Prior to applying 3M<sup>™</sup> V.A.C.<sup>®</sup> Therapy dressing, 3M<sup>™</sup> Adaptic<sup>™</sup> Non-Adhering Dressing was placed over the graft to protect it. V.A.C.® Therapy was then applied and initiated to bolster the protected graft (Figure 6). 3M™ Promogran Prisma™ Matrix was applied to the STSG donor sites on the left thigh to facilitate healing (Figure 7). Ten days later (Day 14), the graft demonstrated full take (Figure 8). The donor site also demonstrated adequate healing (Figure 9).

# Discharge and Follow-up

Six weeks after his initial presentation at the wound care clinic, the patient's VLU had healed completely (**Figure 10**) and the donor sites on the left thigh had also fully reepithelialized (**Figure 11**).

- Perioperative antibiotics
- Excision of non-viable tissue within the OR
- Initiation of Veraflo<sup>™</sup> Therapy
- Acquisition of STSG from thigh and application of STSG to VLU.
- Application of allograft placental matrix (AmnioBand® Particulate) over the STSG to optimize healing
- Initiation of V.A.C.® Therapy using 3M<sup>™</sup> Granufoam<sup>™</sup> Dressing to bolster the STSG
- Adaptic Non-Adhering Dressing to protect the STSG
- Application of Promogran Prisma Matrix to donor site wounds to promote reepithelialization

# Case Study 5: Figures 1–11



**Figure 1.** Venous stasis ulcer with non-viable tissue at presentation (Day 1).



**Figure 2.** VLU post excision of non-viable tissue (Day 1).



**Figure 3.** 3M<sup>™</sup> Veraflo<sup>™</sup> Therapy applied to the VLU (Day 1).



**Figure 4.** VLU after three days of Veraflo Therapy and prior to STSG placement (Day 4).



**Figure 5.** STSG and allograft placental matrix applied to the VLU (Day 4).



**Figure 6.** Application of 3M<sup>™</sup> V.A.C.<sup>®</sup> Therapy using 3M<sup>™</sup> V.A.C.<sup>®</sup> Granufoam<sup>™</sup> Dressing to bolster. The STSG protected with 3M<sup>™</sup> Adaptic<sup>™</sup> Non-Adhering Dressing (Day 4).



**Figure 7.** Placement of 3M<sup>™</sup> Promogran Prisma<sup>™</sup> Matrix over the donor site wounds (Day 4).



Figure 8. VLU on Day 14.



**Figure 9.** STSG donor site (left thigh) wounds on Day 14.



**Figure 10.** Completely healed VLU at follow-up appointment (six weeks).



**Figure 11.** Reepithelialized STSG donor site (left thigh) wounds at follow-up appointment (six weeks).

 $Patient\ data\ and\ photos\ courtesy\ of\ Michael\ N.\ Desvigne,\ MD,\ FACS,\ CWS,\ FACCWS;\ Valley\ Wound\ Care\ Specialists,\ Glendale,\ Arizona.$ 

# Wound Management of Venous Leg Ulcers in the Right Lower Extremity Using Super-Absorbent Dressing and a Two-layer Compression Wrap

#### **Patient**

A 68-year-old male presented for care with lymphedema and multiple, copiously draining ulcerations on the right lower extremity **(Figure 1)**. Symptoms were present for years and failed to respond to compression, foam dressings, or abdominal pads. Previous medical history included hypertension requiring use of anti-hypertensive medication.

# **Diagnosis**

The patient presented with lymphedema and multiple ulcerations on the right lower extremity with copious amounts of drainage. A positive Stemmer sign was noted and palpable pedal pulses with mild symptoms of venous insufficiency were noted. He was diagnosed with lymphedema and venous leg ulcers.

#### Course of Treatment

The patient underwent sharp debridement followed by 3M™ Kerramax Care™ Super-Absorbent Dressing and 3M™ Coban™ 2 Two-Layer Compression System. The dressing was changed 3 days later and revealed that the copious drainage had dramatically decreased (Figure 2). Therapy was continued with weekly dressing changes. After three weeks, treatment was changed to 3M™ Kerracel™ Ag Gelling Fiber Dressing and Coban 2 Compression System.

## Discharge and Follow-up

After 1 month, the ulcer had healed and the edema almost completely resolved (**Figure 3**). A support garment was prescribed, and pneumatic compression was ordered for daily use. A lymphedema therapist was recommended. The patient has continued to do well with only mild exacerbation of symptoms.

- Sharp debridement
- Kerramax Care Super-Absorbent Dressing
- Kerracel Ag Gelling Fiber Dressing
- Coban 2 Compression System
- Support garment
- Daily use of pneumatic compression after ulcer healed

# Case Study 6: Figures 1–3



**Figure 1.** Right leg venous leg ulcer at presentation.

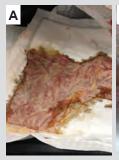




Figure 2. One week after application of 3M™ Kerramax Care™ Super-Absorbent Dressing along with 3M™ Coban™ 2 Two-Layer Compression System. A. Drainage was incorporated in the dressing; B. The wound surface was dry to the touch.



**Figure 3.** Lower extremity 1 month after Kerramax Care Super-Absorbent Dressing along with Coban 2 Compression System use.

Patient data and photos courtesy of Robert J. Snyder, DPM, MBA, MSc, CWSP, FFPM RCPS (Glasgow), Barry University School of Public Medicine.

# Multimodal Wound Management of an Infected Venous Leg Ulcer

#### **Patient**

A 60-year-old female presented for care with a venous leg ulcer of the right leg **(Figure 1)**. Previous medical history included hypertension and dyslipidemia.

# **Diagnosis**

The patient presented with venous leg ulcer of the right leg. Purulent drainage was observed in the wound dressings. The patient was diagnosed with a venous leg ulcer and infection.

#### Course of Treatment

The patient underwent sharp debridement with wound culture followed by application of 3M™ Silvercel™ Non-Adherent Antimicrobial Alginate Dressing with 3M™ Easylift™ Precision Film Technology. Oral antibiotics were initiated as bacterial culture results indicated heavy growth of *Staphylococcus aureus*. After 10 days, the wound was improved (Figure 2). Oral antibiotics were continued for an additional 10 days along with Silvercel Non-Adherent Dressing and 3M™ Coban™ 2 Two-Layer Compression System (Figure 3).

# Discharge and Follow-up

Treatment was changed to 3M<sup>™</sup> Promogran Prisma<sup>™</sup> Matrix and Coban 2 Compression System (Figure 4). After two weeks, treatment was changed to 3M<sup>™</sup> Promogran<sup>™</sup> Matrix Wound Dressing and Coban 2 Compression System, which was continued until the wound was fully healed (Figure 5). After the wound was fully healed, 20mmHg support hose were prescribed.

- Sharp debridement
- Oral antibiotics
- Silvercel Non-Adherent Dressing with Easylift Technology
- Coban 2 Compression System
- Promogran Prisma Matrix
- Promogran Matrix

# Case Study 7: Figures 1–5



Figure 1. Venous leg ulcer at presentation.



**Figure 2.** Venous leg ulcer after 10 days of 3M<sup>™</sup> Silvercel<sup>™</sup> Non-Adherent Dressing and 3M<sup>™</sup> Coban<sup>™</sup> 2 Two-Layer Compression System.



**Figure 3.** Venous leg ulcer after an additional 10 days of Silvercel Non-Adherent Dressing and Coban 2 Compression System.



**Figure 4.** Venous leg ulcer after 14 days of 3M™ Promogran Prisma™ Matrix and Coban 2 Compression System use.



**Figure 5.** Venous leg ulcer treatment switched to 3M<sup>™</sup> Promogran<sup>™</sup> Matrix and Coban 2 Compression System.

Patient data and photos courtesy of Robert J. Snyder, DPM, MBA, MSc, CWSP, FFPM RCPS (Glasgow), Barry University School of Public Medicine.

# Pressure Injury Management in a Skilled Nursing Environment

#### **Patient**

An 83-year-old male presented with an injury resulting from a fall in his home. He fell and was unable to adjust his position for several hours until he was found and sent to the Emergency Department. The patient's medical history was significant for hypertension, hyperlipidemia, atrial fibrillation, dementia, and benign prostatic hypertrophy. After a generalized work-up, the patient was found to have mild dehydration but no other acute medical issues except gait disturbance. After 12 hours and gentle intravenous rehydration, he was transferred to a skilled nursing facility for short-term rehabilitation. There, an apparent hematoma was noted on the right lower leg. This injury progressed to black eschar (Figure 1) over a four-day period. A wound consultation was requested by the attending physician.

## **Diagnosis**

Initial evaluation revealed no acute distress or inguinal lymphandenopathy. There were no palpable peripheral pulses, but biphasic Doppler waveforms and an anklebrachial index of 0.81 on the effected leg. Edema was moderate. There was a large, unstageable pressure ulcer at the anterior mid-tibia with edge separation and liquefying non-viable tissue in need of debridement. There was no odor to the wound, nor indications of cellulitis. Superficial satellite coagulums were also noted superiorly.

#### **Course of Treatment**

Sharp debridement occurred at the bedside. Post-debridement measurements  $9.0\times8.5\times1.5 \text{cm}^3$ . The wound was copiously irrigated and  $3M^{\text{\tiny M}}$  Kerracel Gelling Fiber Dressing was placed into the wound covered by  $3M^{\text{\tiny M}}$  Kerrafoam Simple Border Dressing. A tubular elastic bandage was placed on the leg to provide mild compression.

Upon re-evaluation one week later **(Figure 2)**, the patient was found to have increased edema, erythema, and warmth to the leg. The wound, although measuring  $9.0 \times 6.7 \times 1.5 \text{cm}^3$ , had purulent drainage in large amounts. There was minimal undermining noted at 11 o'clock.

The patient's relative with medical power of attorney declined oral antibiotics. Wound management transitioned to continuous pulsed irrigation daily for seven days,

followed by daily application of 3M<sup>™</sup> Kerracel<sup>™</sup> Ag Gelling Fiber Dressing to manage infection and control exudate. The secondary dressing consisted of Kerrafoam Simple Border Dressing and tubular elastic compression.

Over the next 14 days, the wound and surrounding erythema improved. Wound management transitioned to 3M<sup>™</sup> V.A.C.<sup>®</sup> Therapy on Day 21 **(Figure 3)**. Wound measurements were 8.5 × 4.6 × 1.0cm<sup>3</sup> with a small area of undermining of 0.8cm superiorly. Negative pressure settings were initiated at -125mmHg continuously, then changed to an intermittent setting (cycles of five minutes of negative pressure followed by two minutes off) on Day 4 of therapy.

Over the course of two weeks, the wound improved dramatically, achieving the goals of exudate control, promotion of granulation tissue, reduction of wound size, and wound edge contraction. Intensive periwound hygiene was performed at each dressing change. V.A.C.® Therapy was discontinued on Day 35 (Figure 4) with wound measurements of 7.5 × 3.0 × 0.1cm³ and a demonstrable healthy granulating wound bed.

The goal of therapy continued to be local antimicrobial management without the use of antibiotics. 3M™ Promogran Prisma™ Matrix was applied to the wound, and 3M™ Touchless Care™ Zinc Oxide Protectant Spray was used to protect the periwound area. Kerrafoam Simple Border Dressing was reapplied as secondary dressing. Mild lower extremity edema was again controlled with an elastic tubular bandage.

On Day 91, the wound measurements were 3.8 × 0.8cm<sup>2</sup> (Figure 5). On Day 119, the wound was epithelialized (Figure 6), and the patient was no longer receiving wound management services.

- Sharp debridement
- Kerracel Gelling Fiber Dressing
- Kerracel Ag Gelling Fiber Dressing
- Kerrafoam Simple Border Dressing
- V.A.C.® Therapy
- Promogran Prisma Matrix
- Touchless Care Zinc Oxide Protectant Spray

# Case Study 8: Figures 1–6



**Figure 1.** Wound appearance at baseline evaluation.



**Figure 2.** Wound appearance after debridement, irrigation, and seven days of management with gelling fiber dressings.



**Figure 3.** Wound appearance on Day 21.



**Figure 4.** Wound appearance on Day 35.



**Figure 5.** Wound appearance on Day 91.



**Figure 6.** Wound appearance on Day 119.

Patient data and photos courtesy of Catherine Milne MSN, APRN, ANP/ACNS-BC, CWOCN-AP.



Product		Description		Ordering Options*
	3M <sup>™</sup> Granufoam <sup>™</sup> Small Dressing Kit	<ul> <li>1 Granufoam™ Dressing (10 × 7.5 × 3.2cm)</li> <li>1 sheet of V.A.C.® Drape</li> </ul>	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275051/5) Case of 10 (M8275051/10)
	3M™ Granufoam™ Medium Dressing Kit	1 Granufoam™ Dressing (18 × 12.5 × 3.2cm)     2 sheets of V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275052/5) Case of 10 (M8275052/10)
(1)	3M™ Granufoam™ Large Dressing Kit	1 Granufoam™ Dressing (26 × 15 × 3.2cm)     2 sheets of V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275053/5) Case of 10 (M8275053/10)
	3M™ Granufoam™ Silver Small Dressing Kit	1 Granufoam™ Silver Dressing (10 × 7.5 × 3.2cm)     1 V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275098/5) Case of 10 (M8275098/10)
	3M™ Granufoam™ Silver Medium Dressing Kit	1 Granufoam™ Silver Dressing (18 × 12.5 × 3.2cm)     2 sheets of V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275096/5) Case of 10 (M8275096/10)
10	3M™ Granufoam™ Silver Large Dressing Kit	• 1 Granufoam™ Silver Dressing (26 × 15 × 3.2cm)     • 2 sheets of V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275099/5) Case of 10 (M8275099/10)
	3M <sup>™</sup> Whitefoam <sup>™</sup> Small Dressing Kit	■ 1 polyvinyl alcohol dressing (10 × 7.5 × 1cm) ■ 1 V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275068/5) Case of 10 (M8275068/10)
	3M <sup>™</sup> Whitefoam <sup>™</sup> Large Dressing Kit	■ 1 polyvinyl alcohol dressing (10 × 15 × 1cm)     ■ 1 V.A.C.® Drape	• 1 SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	Case of 5 (M8275067/5) Case of 10 (M8275067/10)
	3M <sup>™</sup> Whitefoam <sup>™</sup> Small Dressing (foam only)	• 1 polyvinyl alcohol dressing (10 × 7.5 × 1cm)		Case of 10 (M6275033/10)
	3M™ Whitefoam™ Large Dressing (foam only)	● 1 polyvinyl alcohol dressing (10 × 15 × 1cm)		Case of 10 (M6275034/10)
	3M <sup>™</sup> Granufoam <sup>™</sup> Bridge Dressing Kit	1 Granufoam™ Dressing (3 pre-cut Circular pieces and 2 pre-cut rectangular pieces, 6 × 17 × 1.9cm)     1 Granufoam™ Bridge Dressing (67cm) with integrated SensaT.R.A.C.™ Pad	1 sheet of perforated V.A.C.® Drape with pre-cut hole and 5 removal V.A.C.® Drape Strips     1 disposable ruler	Case of 5 (M8275042/5) Case of 10 (M8275042/10)
	3M <sup>™</sup> Granufoam <sup>™</sup> Bridge XG Dressing	<ul> <li>2 spiral Granufoam™ Dressings     (14.7 × 17.4 × 1.75cm, fully unwound: 81.3cm)</li> <li>1 Granufoam™ Bridge Dressing (67cm) with integrated SensaT.R.A.C.™ Pad</li> </ul>	1 sheet of V.A.C.® Drape     1 sheet of perforated V.A.C.® Drape with pre-cut hole     1 disposable ruler	Case of 5 (M8275044/5)
99	3M <sup>™</sup> Simplace <sup>™</sup> Medium Dressing Kit with 3M <sup>™</sup> Tegaderm <sup>™</sup> Drape	• 2 spiral Granufoam™ Dressings (14.7 × 17.4 × 1.75cm, fully unwound: 81.3cm)	3 sheets of 3M™ Tegaderrm™ Drape     1 SensaT.R.A.C.™ Pad with connector     1 disposable ruler	Case of 5 (M8275040/5) Case of 10 (M8275040/10)
	3M <sup>™</sup> Simplace <sup>™</sup> EX Medium Dressing Kit	• 2 spiral Granufoam™ Dressings (14.7 × 17.4 × 1.75cm fully unwound: 81.3cm)	<ul> <li>1 sheet of V.A.C.® Drape and 2 drape strips</li> <li>1 SensaT.R.A.C.™ Pad with connector</li> <li>1 disposable ruler</li> </ul>	Case of 5 (M8275045/5)
	3M <sup>™</sup> V.A.C. <sup>®</sup> Drape	• 1 sheet of adhesive drape (30.5 × 26cm)		Case of 10 (M6275009/10)
	3M <sup>™</sup> V.A.C. <sup>®</sup> Y-Connector	• Allows two V.A.C.® Dressings to be connected t	o one 1 V.A.C.® Therapy Unit**	Case of 5 (M6275066/5) Case of 10 (M6275066/10)

<sup>\*</sup>Default quantities will be shipped unless otherwise specified. Payor restrictions may apply.

\*\*Contact your representative, or review the 3M\* V.A.C.® Therapy Clinical Guidelines or Product IFU for additional information on treating multiple wounds with one 3M\* V.A.C.® Therapy Unit.

# **3M<sup>™</sup> Snap<sup>™</sup> Therapy System**

Product		Description	Case Qty	SKU
		Pressure: -125mmHg Capacity: 60mL	Each 10	SNPA125US SNPA125US/10
	3M <sup>™</sup> Snap <sup>™</sup> Therapy Cartridge	Pressure: -100mmHg Capacity: 60mL	Each 10	SNPA100US SNPA100US/10
		Pressure: -75mmHg Capacity: 60mL	Each 10	SNPA075US SNPA075US/10
		Size: 18", Small	Each	STPAS
	3M <sup>™</sup> Snap <sup>™</sup> Therapy Strap	Size: 21", Medium	Each	STPAM
		Size: 24", Large	Each	STPAL
	3M <sup>™</sup> Snap <sup>™</sup> Plus 125mmHg Therapy Cartridge	Pressure: -125mmHg Capacity: 150mL	Each 10	SNPA125PLUS SNPA125PLUS/10
	3M <sup>™</sup> Snap <sup>™</sup> Plus Therapy Strap, Small	Size: 18"	Each	STPASP
	3M <sup>™</sup> Snap <sup>™</sup> Plus Therapy Strap, Medium	Size: 21"	Each	STPAMP
	3M <sup>™</sup> Snap <sup>™</sup> Plus Therapy Strap, Large	Size: 24"	Each	STPALP
<b>.</b>	3M <sup>™</sup> Snap <sup>™</sup> Bridge Dressing Kit	Hydrocolloid: 14cm x 11cm Foam: 8cm x 8cm Interface: Reticulated Open Cell Foam (blue)	Each 10	BKTF14X11 BKTF14X11/10
	3M <sup>™</sup> Snap <sup>™</sup> Bridge Dressing Kit with SecurRing <sup>™</sup> Hydrocolloid Skin Barrier	Hydrocolloid: 14cm x 11cm Foam: 8cm x 8cm Interface: Reticulated Open Cell Foam (blue) Includes 3M™ Snap™ SecurRing™ Hydrocolloid Skin Barrier	Each 10	BKTF14X11S BKTF14X11S/10
		Hydrocolloid: 10cm x 10cm Foam: 8cm x 8cm Interface: Reticulated Open Cell Foam (blue)	Each 10	SKTF10X10 SKTF10X10/10
	3M <sup>™</sup> Snap <sup>™</sup> Advanced Dressing Kit	Hydrocolloid: 15cm x 15cm Foam: 13cm x 13cm Interface: Reticulated Open Cell Foam (blue)	Each 10	SKTF15X15 SKTF15X15/10
		Hydrocolloid: 20cm x 20cm Foam: 18cm x 18cm Interface: Reticulated Open Cell Foam (blue)	Each 10	SKTF20X20 SKTF20X20/10
	3M <sup>™</sup> Snap <sup>™</sup> SecurRing <sup>™</sup> Hydrocolloid Skin Barrier	Size: 2" diameter	10	SRNG10

# **3M™ Advanced Wound Care and Skin Integrity Solutions**

Product		Cat. No.	Size	Items/Box	Boxes/Case	HCPCS Code	
Caylor Court		3343	1mL wand	25	4		
	3M™ Cavilon™ No Sting	3344	1mL wipe	30	4	Skin Care: A6250 — Ostomy: A5120	
	Barrier Film	3345	3mL wand	25	25	- 00001117.710120	
		3346	28mL spray bottle	12	1	Ostomy: A6250 Skin Care: A4369	
	3M <sup>™</sup> Cavilon <sup>™</sup> Advanced	5050	2.7mL applicator	20	_	A6250	
	Skin Protectant	5051	0.7mL applicator	20	_	_	

# **3M™ Advanced Wound Care and Skin Integrity Solutions (cont.)**

Product			Cat. No.	Size	Items/Box	Boxes/Case	HCPCS Code
		_	2012	3 in. x 3 in.	50	12	A6222
			2015	3 in. x 8 in.	24	6	
	3M <sup>™</sup> Adaptic <sup>™</sup>	_	2013	3 in. x 8 in.	36	6	A6223
	Non-Adhering D	Pressing	2014	3 in. x 16 in.	36	6	_
			2018	3 in. x 60 in. roll	10	_	A6266
			2019	5 in. x 9 in. sheet	12	6	A6223
		_	500501	2 in. x 3 in.	10	5	- A6206
	3M <sup>™</sup> Adaptic <sup>™</sup> To Non-Adhering S		500502	3 in. x 4-1/4 in.	10	5	A0200
	Dressing		500503	5 in. x 6 in.	10	5	A6207
			500504	8 in. x 12-3/4 in.	5	_	A6208
A 100 - 00			MAD003U	Small 3/4 in.	10	17	_
4000	3M™ Adaptic™	Digit	MAD013U	Medium 1 in.	10	17	=
1000	Digit Non-Adhering	Dressing	MAD023U	Large 1-1/8 in.	10	17	_
WELL STREET	Dressing		MAD042U	XL 1-1/4 in.	10	17	_
		Digit Toe	MAD062U	Large 1-1/8 in.	10	17	
			CWL1032	2 in. x 2 in.	10	10	A6196
C 19	3M™ Kerracel™ C	Gelling	CWL1033	4 in. x 5 in.	10	10	A 610-7
	Fiber Dressing	_	CWL1034	6 in. x 6 in.	5	10	- A6197
			CWL1035	1 in. x 18 in. ribbon	5	10	A6199
			CWL1157	2 in. x 2 in.	10	10	A6196
			CWL1158	4 in. x 5 in.	10	10	4.0407
			CWL1159	6 in. x 6 in.	5	10	- A6197
	3M™ Kerracel™ Ag Gelling Fiber Dressing		CWL1160	8 in. x 12 in.	5	10	A6198
	Gennig Tiber Di		CWL1163	16 in. x 16 in.	5	10	_
		_	CWL1168	0.75 in. x 12 in. ribbon	5	10	A C400
		_	CWL1162	0.75 in. x 18 in. ribbon	5	10	- A6199
	OD 5 <sup>TM</sup> O'L I <sup>TM</sup>		900112	1 in. x 12 in.	5	5	A6199
	3M™ Silvercel™ Non-Adherent		900202	2 in. x 2 in.	10	5	A6196
	Antimicrobial Alginate Dressin	-	900404	4-1/4 in. x 4-1/4 in.	10	5	A C10-7
	Alginate Dressir	ig —	900408	4 in. x 8 in.	5	5	- A6197
	3M <sup>™</sup> Promogran	тм	PG004	4.34 sq. in. hexagon	10	4	A6021
	Matrix Wound D	Pressing	PG019	19.07 sq. in. hexagon	10	4	A6022
			MA028	4.34 sq. in. hexagon	10	4	A6021
	3M™ Promogran Matrix Wound D		MA123	19.07 sq. in. hexagon	10	4	A6022
			MA032	3/8 in. x 3/8 in. x 12-5/8 in. rope	6	4	A6024
			PRD500-025	2 in. x 2 in.	10	110	
			PRD500-050	4 in. x 4 in.	10	110	- A6196
		_	PRD500-100	5 in. x 6 in.	10	65	
		_	PRD500-120	4 in. x 9 in.	10	70	A6197
1	3M™ Kerramax 0	 Care <sup>™</sup>	PRD500-240	8 in. x 9 in.	10	38	_
	Super-Absorber		PRD500-380	8 in. x 12 in.	5	48	
~		_	PRD500-380-B10	8 in. x 12 in.	10	24	
		_	PRD500-600	8 in. x 20 in.	5	25	- A6198
		_	PRD500-600-B10	8 in. x 20 in.	10	15	-
		_	PRD500-300	8 in. x 9 in. multisite	5	38	A6197

# **3M™ Advanced Wound Care and Skin Integrity Solutions (cont.)**

Product		Cat. No.	Size	Items/Box	Boxes/Case	HCPCS Code
		PRD500-1174 4		10	19	- A6196
	3M™ Kerramax Care™	PRD500-1175	6 in. x 6 in.	10	13	- A0190
	<b>Gentle Border Dressing</b>	PRD500-1176	8 in. x 8 in.	10	20	- A6197
		PRD500-1177	6 in. x 10 in.	10	10	- A6197
	3M™ Tegaderm™ High Performance Foam Non-Adhesive Dressing	90600	2 in. x 2 in.	10	4	- A6209
		90601	4 in. x 4 in.	10	4	- A6209
		90602	4 in. x 8 in.	5	6	A6210
		90603	8 in. x 8 in.	5	6	A6211
		90604	3-1/2 in. x 3-1/2 in., fenestrated	10	4	A6209
		90605	4 in. x 24 in., roll	1	6	A6211

Product		Cat. No.	Foam Pad Size	Overall Dressing Size	Items/Box	Boxes/Case	HCPCS Code
_	90610 (Square)	2 in. x 2 in.	3-1/2 in. x 3-1/2 in.	10	4	_	
	90611 (Oval)	2-1/2 in. x 3 in.	4 in. x 4-1/2 in.	10	4	A6212	
	90612 (Square)	4 in. x 4 in.	5-5/8 in. x 5-5/8 in.	10	4	-	
		90613 (Oval)	4 in. x 4-1/2 in.	5-5/8 in. x 6-1/8 in.	5	6	A6213
		90614 (Mini Oval)	1-1/4 in. x 1-1/2 in.	2-3/4 in. x 3 in.	10	4	A6212
	•	90616 (Oval)	5-1/2 in. x 6-3/4 in.	7-1/2 in. x 8-3/4 in.	5	3	A6213
		90619 (Heel/Elbow)	3 in. x 3 in.	5-1/2 in. x 5-1/2 in.	5	4	- A6212
		90615* (Mini Wrap)	1 in. x 1 in.	2-3/4 in. x 2-3/4 in.	10	4	- A0212

<sup>\*</sup>The mini wrap dressing is constructed of a conformable, absorbent, polyurethane foam pad with a highly breathable, non-waterproof, film backing reinforced with soft cloth tape.

			Product				
Product		Cat. No.	Foam Pad Size	Overall Dressing Size	Items/Box	Boxes/Case	HCPCS Code
		90631	Non-bordered Dressing	4 in. x 4-1/4 in.	10	4	- A6210
		90632	Non-bordered Dressing	6 in. x 6 in.	10	4	A0210
		90643	Bordered Dressing	2 in. x 2 in.	10	6	
		90043	0.8 in. x 0.8 in.	Z In. X Z In.	10		– A6212 –
		90640	Bordered Dressing	3 in. x 3 in.	10	6	
	_	90040	1.5 in. x 1.5 in	3 III. X 3 III.			
		90641	Bordered Dressing	4 in. x 4 in.	10	6	
	3M™ Tegaderm™	30041	2.38 in. x 2.38 in.				
	Silicone Foam Dressing	90642	Bordered Dressing	6 in. x 6 in.	10	4	A6213
		30042	4.13 in. x 4.13 in.		10	4	A0210
		90646	Heel and Contour	6-1/2 in. x 6-1/2 in.	5	4	A6212
		90040	3.88 in. x 3.88 in.	0-1/2 111. X 0-1/2 111.		4	A0212
		90647	Small Sacral	6 in. x 6-3/4 in.	10	4	
		90047	4.13 in. x 5 in.		10	4	- A6213
		90648	Large Sacral	7-1/4 in. x 8-3/4 in.	5	4	A0213
		90648	5.25 in. x 6.38 in.	7-1/4 III. X 0-3/4 III.	3	4	

				Comfort Layer Size		
Product		Cat. No.	Application/Use	Compression Layer Size	Boxes/Case	HCPCS Code
		2004N	Dalam that loss a	4 in. x 2.9 yd. (10cm x 2.7m)	0	A6441
3M™ Coban™ 2 and 3M™ Coban™ 2	2094N	Below the knee	4 in. x 5.1 yd. (10cm x 4.7m) stretched	- 8	A6452	
	070 411	Below the knee	4 in. x 2.9 yd. (10cm x 2.7m)	0	A6441	
	2M™ Cohon™ 2 and	2794N (ABPI > 0.5)	(ABPI > 0.5)	4 in. x 5.1 yd. (10cm x 4.7m) stretched	- 8	A6452
		000 00	Below the knee	4 in. x 3.8 yd. (10cm x 3.5m)	- 8	A6441
Chan's -	Lite Two-Layer	2094XL	(lg. circumference)	4 in. x 6.3 yd. (10cm x 5.8m) stretched		A6452
Compression Systems	Compression Systems			6 in. x 3.8 yd. (15cm x 3.5m)	0	
		20096	Above the knee	6 in. x 4.9 yd. (15cm x 4.5m) stretched	- 8	_
		0000	T 1 .	2 in. x 1.3 yd. (5cm x 1.2m)	0	_
		2092	Toe boot	2 in. x 3 yd. (5cm x 2.7m) stretched	- 8	

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3M Company 2510 Conway Avenue St. Paul, MN 55144 USA

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