Morel-Lavallée lesions are closed degloving injuries caused by a trauma that separates soft tissue layers, resulting in loss of blood supply and necrosis of overlying skin. This 86-year-old man with a BMI of 25, history of hypertension and hyperlipidemia was struck by a motor vehicle, sustaining multiple, non-life-threatening injuries, including significant soft tissue injury to the left leg.

**Figure 1(a) and (b):** Pre-operative soft tissue injury prior to surgical exploration and debridement, note extensive areas of skin necrosis.

Eight days after the injury, the patient was sufficiently stabilized to undergo anesthesia and step-wise excision resulted in a 32 x 45cm wound (**Figure 2**) and Negative Pressure Wound Therapy (NPWT) applied (**Figure 3**).

Twelve days after injury, the patient returned to the OR, the wound was debrided and 3-8x10 pieces and 1-4x10 piece of Integra® Bilayer Wound Matrix (BWM) were applied to the granulated wound bed (**Figure 4**), fenestrated and NPWT reapplied.

Thirty-two days after injury, the patient returned to the OR with the Integra BWM fully integrated (**Figure 5**).

The silicone was removed from the fully formed neodermis (**Figure 6**), with near total take of the Integra BWM, and split thickness skin grafts (12/1,000 in), meshed 1.5:1, were applied and secure with fibrin glue (**Figure 6**). The grafted site was covered with a multilayer dressing consisting of bacitracin ointment on a non-adherent dressing (i.e. Adaptic®), an abdominal pad, fluffy roller gauze, elastic wrap and self-adhering stretch wrap.

The wounds were fully closed and the patient ambulatory two months after his injury (**Figure 7**).
Brief Summary
Consult Package Insert for Full Prescribing Information

Description
Integra Bilayer Matrix Wound Dressing is an advanced wound care device comprised of a porous matrix of cross-linked bovine tendon collagen and glycosaminoglycan and a semi-permeable polysiloxane (silicone) layer. The semi-permeable silicone membrane controls water vapor loss, provides a flexible adherent covering for the wound surface and adds increased tear strength to the device. The collagen-glycosaminoglycan biodegradable matrix provides a scaffold for cellular invasion and capillary growth.

Indications
Integra Bilayer Matrix Wound Dressing is indicated for the management of wounds including: partial and full-thickness wounds, pressure ulcers, venous ulcers, diabetic ulcers, chronic vascular ulcers, surgical wounds (donor sites/grafts, post-Moh’s surgery, post-laser surgery, podiatric, wound dehiscence), trauma wounds (abrasions, lacerations, second-degree burns, and skin tears) and draining wounds. The device is intended for one-time use.

Contraindications
• This device should not be used in patients with known sensitivity to bovine collagen or chondroitin materials.
• This device is not indicated for use in third-degree burns.

For more information or to place an order, please contact:

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