Case Study

3M | Prevena Restor™
Postoperative Recovery

Bilateral primary total knee arthroplasty

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Patient

A 64-year-old male patient presented for a bilateral primary total knee arthroplasty. Patient comorbidities and risk factors included obesity, hypertension, hyperlipidemia, and gastroesophageal reflux disease.

Diagnosis

The patient required a bilateral primary total knee arthroplasty due to debilitating pain and stiffness from end-stage osteoarthritis that was refractory to non-operative measures.

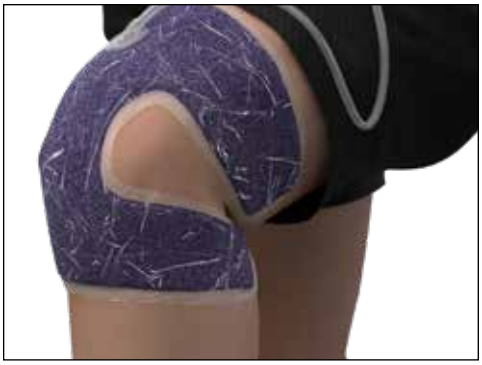
Application

The patient received preoperative and postoperative prophylactic intravenous antibiotics for 24 hours. Immediately following surgery, the 3M™ Prevena Restor™ Arthro•Form™ Incision Management System was applied over the closed incisions with -125mmHg negative pressure. The goals of therapy were to manage the surgical incision and surrounding soft tissue, hold the edges of the closed incision together, reduce tensile forces across the incision, and help reduce edema.

Discharge and Follow-up

The patient was discharged home with the Prevena Restor™ Arthro•Form™ Incision Management System, and it was removed after 7 days during a follow-up visit. The arthroplasty incisions were healed without complication (Figure 1).

Figure 1. Bilateral total knee arthroplasty incisions after 7 days of Prevena Restor™ Arthro•Form™ Incision Management System use.



Artist rendering of Prevena Restor™ Arthro•Form™ Incision Management System applied to a knee. For illustration purposes only.

Patient data and photo courtesy of R. Michael Meneghini, MD, Orthopaedic Surgery, Indiana University Health Hip and Knee Center and Indiana University School of Medicine, Indianapolis, IN.

NOTE: 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 circumstances and condition.

Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. This material is intended for healthcare professionals.

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