Case Study

3M | Prevena Restor™
Postoperative Recovery

Management of Total Knee Arthroplasty Revision with 3M™ Prevena Restor™ Arthro•Form™ Incision Management System

Yavonne, L.; Johnson, PA-C.; Evan Argintar, MD; Washington, DC

Patient
A 72-year-old female presented to the hospital, requiring a revision following a total knee arthroplasty of the right knee. The patient's medical history included heart murmurs, tobacco use, and obesity.

Procedure
The patient underwent a total knee arthroplasty revision, resulting in a <15-cm incision on the right knee (Figure 1). The incision was closed using staples, and the patient received clindamycin for prophylactic antibiotic control.

Application
Immediately after incision closure, 3M™ Prevena Restor™ Therapy was initiated using a 3M™ Prevena Restor™ Arthro•Form™ Dressing, which covered the full length of the incision and the area above and below the knee (Figure 2). Negative pressure was applied at -125mmHg.

Discharge and Follow-up
The patient was discharged on postoperative day 5. Seven days after surgery, Prevena Restor Therapy was discontinued, and the incision remained closed (Figure 3). On postoperative day 14, the incision remained closed without any complications. The patient reported less pain and swelling and improved post-surgical range of motion in the right knee following Prevena Restor Therapy with Prevena Restor™ Arthro•Form™ Dressing use compared to the previous total knee arthroplasty procedure.

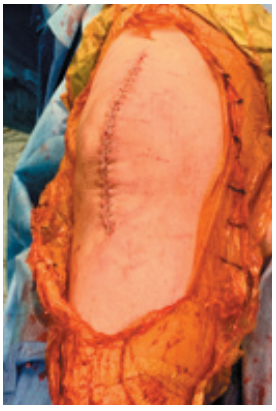


Figure 1. Closed surgical incision.

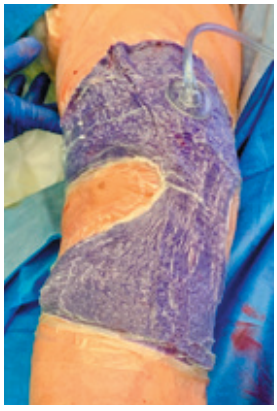


Figure 2. Application of Prevena Restor Therapy with Prevena Restor™ Arthro•Form™ Dressing.

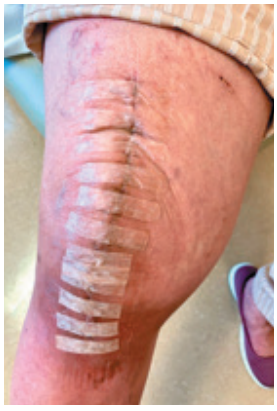


Figure 3. Surgical incision 7 days after Prevena Restor Therapy with Prevena Restor™ Arthro•Form™ Dressing.

Available in Canada from your authorized 3M-KCI distributors.
KCI USA, Inc., a 3M Company
KCI owned and operated by 3M Company

KCI Medical Canada Inc.
75 Courtneypark Dr W, Unit 4
Mississauga, ON
L5W 0E3

KCI USA, INC.
12930 IH 10 West
San Antonio, TX
78249

Patient data and photos courtesy of Yavonne L. Johnson, PA-C, Evan Argintar, MD; Washington, DC

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.

Note: 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.

Case Study

3M | Prevena Restor™
Postoperative Recovery

Bilateral Primary Total Knee Arthroplasty

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

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 3M™ Prevena Restor™ Arthro•Form™ System Kit, and it was removed after 7 days during a follow-up visit. The arthroplasty incisions were healed without complication (Figure 1).

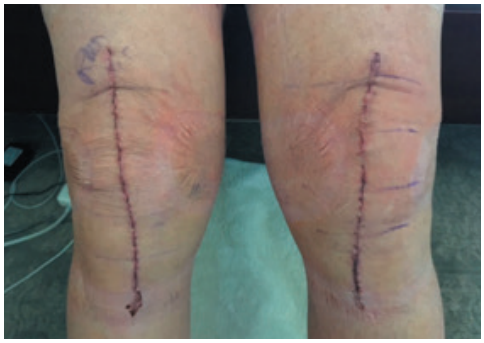
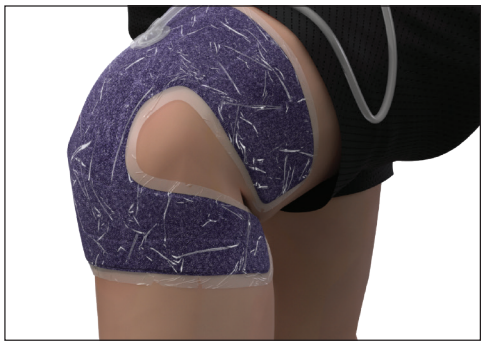


Figure 1. Bilateral total knee arthroplasty incisions after 7 days of 3M™ Prevena Restor™ Arthro•Form™ Incision Management System use.



Artist rendering of 3M™ Prevena Restor™ Arthro•Form™ Incision Management System applied to a knee. For illustration purposes only.

Available in Canada from your authorized 3M-KCI distributors.
KCI USA, Inc., a 3M Company
KCI owned and operated by 3M Company

KCI Medical Canada Inc.
75 Courtneypark Dr W, Unit 4
Mississauga, ON
L5W 0E3

KCI USA, INC.
12930 IH 10 West
San Antonio, TX
78249

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.

Note: 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.