ConvaTec Moldable Technology™
Skin Barriers
CASE STUDIES

Proven safety and effectiveness for use with colostomies, ileostomies and urostomies\textsuperscript{1}
Rationale for Using ConvaTec Moldable Technology™ Skin Barriers

1. Ease of teaching patients/transitioning to independence
2. Eliminates complications from incorrect flange sizing/preparation
3. Ease of teaching staff how to use product and care for patients
4. Positive change in nursing staff’s attitude due to ease of use/simplicity of application
5. Minimizes need for accessories (such as paste)
6. Works well in the presence of complications (ie, stomal prolapse)

Actual Benefits for Practice Experience from the patient:

1. **Facilitates care** - removes complexity of care, allowing for some patient independence and confidence to occur sooner in post-op teaching period
2. **Minimizes concerns about peristomal/stomal complications**, particularly in the new ostomy patient. Skin barrier will evolve with the patient as stoma decreases in size over the initial post-operative period.
3. **Minimizes worry about transitioning patient** to home and varying levels of skill offered by home support services
4. **Simple to teach** any patient, regardless of language barriers or patient having poor hand/strength/dexterity
5. **Potentially minimizes amount of product needed to be stocked**

Demonstrated Benefits for Patients

1. Earlier attainment of success/independence in care
2. Reduced time needed for self care due to system simplicity
3. Fewer products required for many patients
4. Virtually eliminates complications for improper product use/preparation

Clinician: Jo Hoeflok, RN BSN MA ET ACNP CGN, St Michaels Hospital, University of Toronto, Toronto, Canada
Case Study #1: Pouching Complicated Stomas: Stoma in a Skin Fold

Clinical Challenge

- First day post-op pouch leaking badly
- Large amount of liquid mucus
- Colostomy located in a crease

Approach

- Paste was applied in the creases to improve wear of skin barrier
- ConvaTec Moldable Technology™ Stomahesive® skin barrier was rolled to the stoma size

Results

- On re-check 2 days later, patient maintained a good seal and felt comfortable
- At next skin barrier change, the photos demonstrate the secure seal obtained and the healthy skin environment

Clinicians: Sally Matson, RN BSN MS CWOCN, Orlando Regional Medical Center, Florida USA
Clinical Challenge

- 28-year-old patient with temporary stoma for stenotic rectosigmoid endometriosis
- Surgery in October 2007
- Patient had extensive maceration with pain and mental fatigue

Approach

- After one week of healing time, a ConvaTec Moldable Technology™ Durahesive® Convex skin barrier was used
- Patient was on a special diet and received home care

Results

- When the maceration was healed a ConvaTec Moldable Technology™ Durahesive® Convex skin barrier was applied
- Stomahesive® Powder was used as well

Summary

- Based on my personal experience I do believe that ConvaTec Moldable Technology™ skin barrier is very easy to apply. No scissors are required—just fingers
- ConvaTec Moldable Technology™ skin barriers allow a custom fit around the stoma and therefore help protect peristomal skin from effluent
- Fits a wide variety of stoma shapes and sizes

Clinicians: Jana Hyklová, Hospital in Most, Czech Republic
Case Study #3: Challenges Faced by a New Patient with a Stoma

Clinical Challenge

- 66-year-old male
- Surgery was a low anterior resection
- Temporary ileostomy
- Patient was very nervous about having to care for his stoma after surgery
- Wanted to make a balanced decision on which system to choose

Approach

- Patient was well informed before the surgery
- Choice was made together with the patient
- Patient chose ConvaTec Moldable Technology™ skin barriers based on ease of use and protection against skin irritation

Results

- Patient started using ConvaTec Moldable Technology™ Stomahesive® skin barriers immediately post-op
- ConvaTec Moldable Technology™ Stomahesive® skin barrier fits very well around the stoma
- Even after several days the skin is still well protected
- Patient experienced good skin protection over time

Clinician: Marleen Richards, ET Nurse, Flevo Zienhuis, Almere, Netherlands
Case Study #4: Adapting to Changing Stoma & Effect on Lifestyle

Clinical Challenge

- 15-year-old boy diagnosed with Crohn’s disease in 2005
- Had major lifestyle compromise and school absence
- In November 2007 required a total colectomy and ileostomy
- Trialed three two-piece systems and three one-piece systems each resulting in a problem
- Patient had sore skin and leakage due to changing size and shape of stoma
- Was reluctant to leave house or go to school

Approach

- Patient tried a ConvaTec Moldable Technology™ skin barrier as he was planning to restart school

Results

- Patient quote...“I love it. It’s positively leakproof and easy to use. The best I have tried. Please can I get more?”
- Patient is back at school, out with friends and has recently started a part-time job
- He no longer worries about his stoma
- He’s getting on with his life for the first time in three years

Clinician: Christeen Smith RGN RSCN, Stoma Care Nurse Specialist
Royal Hospital for Sick Children, Edinburgh, Scotland
Case Study #5: Post-Op Ileostomy Patient

Clinical Challenge

- Patient is very young and likes to try new innovative products
- Photo was taken immediately after ileostomy surgery
- Patient was a good candidate for a ConvaTec Moldable Technology™ skin barrier

Results

- Skin barrier was applied immediately after removal of the bandage
- Patient found the molding to be very easy and found the hydrocolloid collar to be very comfortable
- Patient was very satisfied with the ConvaTec Moldable Technology™ skin barrier and maintained healthy skin over time

Clinician: Veronika Zachová, Teaching Hospital VFN, Surgery Clinic Praha, Czech Republic
Case Study #6: Post-Op Ileostomy Patient

Clinical Challenge and Approach

- Patient requested a convenient skin barrier that was easy to use with no templates or cutting
- A ConvaCare™ or AllKare® skin barrier wipe was used to prepare the skin
- A large 57 mm ConvaTec Moldable Technology™ skin barrier was applied

Results

- Patient returned 14 days after discharge from the hospital
- Swelling was gone so we switched him from a Large to a Medium size 45 mm Convatec Moldable Technology™ skin barrier
- Patient was able to easily mold the skin barrier and maintained healthy skin over time
- The second photo shows healthy skin two months later
Clinical Challenge

- Five urostomy patients included in the study six years after their surgery
- All had problems with leakage and skin irritation due to contact with urine
- All were unhappy with current products
- Four weeks of testing

Approach

- To evaluate patients’ experience with ConvaTec Moldable Technology™ skin barriers

Results

- On re-check 2, 3, and 4 days later, patients maintained a good seal and felt comfortable

Summary

- ConvaTec Moldable Technology™ skin barriers were easy to mold and prepare the correct size
- Turtlenecking provided a secure seal that protected the skin
- Skin barrier stayed securely in place, despite very frequent urination
- On the fourth day it was necessary to change the skin barrier
- ConvaTec Moldable Technology™ skin barrier eliminated the need for Stomahesive® Paste
- No leakage occurred
- ConvaTec Moldable Technology™ skin barriers were cost effective

Clinician: Milada, Karlovska’, Bulovka Teaching Hospital, Prague, Czech Republic
Case Study #8: Ileal Conduit

Clinical Challenge
- Urostomy (ileal conduit)
- Flabby abdomen and leakage problems
- Maintain healthy skin around the stoma

Approach
- A Stomahesive® ConvaTec Moldable Technology™ skin barrier was applied

Results
- Achieved a four-day wear time with no leakage and no exposure of peristomal skin to urine

Clinician: Sally Matson, RN BSN MS CWOCN, Orlando Regional Medical Center, Florida USA
Case Study #9: Paste Allergy and Skin Improvement

Clinical Challenge

- 58-year-old female undergoing chemotherapy
- Ovarian cancer
- Allergic contact dermatitis due to use of paste
- Peristomal skin fungal infection
- Patch tests were positive for two types of paste

Approach

- Peristomal skin was treated with an antifungal powder
- ConvaTec Moldable Technology™ Stomahesive® skin barrier was applied

Results

- ConvaTec Moldable Technology™ Stomahesive® skin barrier worked well to eliminate the need for paste
- One week later after two skin barrier changes, the skin is remarkably improved including the rashy area under the tape collar

Clinician: Sally Matson, RN BSN MS CWOCN, Orlando Regional Medical Center, Florida USA
Case Study #10:
Stoma Management Challenges with Loop Rod and Loss of Weight

Clinical Challenge

- 54-years-old female
- Rectal Cancer
- Lower anterior resection with ileostomy (robotic surgery)
- Stoma is raised with epithelium surrounding the raised area.
- Segment of ileum was everted and a loop rod was positioned.
- Patient lost weight during hospital stay and when loop rod was removed (7 days post op) a little surgical curettage was made (picture 1).
- One month post surgery, the stoma regained “normal” aspect (picture 2), allowing for an optimal stoma management.

Approach

- ConvaTec Moldable Technology™ Skin Barrier was applied post operatively

Results after 48 hours

- Peristomal disorder (SACS™ Classification): L2, TII-IV
- Secure seal obtained due to turtlenecking effect around stoma
- One month post surgery patient maintained healthy skin and continues to use the ConvaTec Moldable Technology™ Skin Barriers

Clinician: Liliana Tadini, Head Nurse, ET Nurse, Istituto Europeo di Oncologia, Milan, Italy
Case Study #11: Challenges Faced by New Patient with Ileostomy

Clinical Challenge

- 72-year-old female
- Lower anterior resection with ileostomy (robotic surgery) Sept 2009
- Ileostomy closure (October 2009)
- Developed recurrence in April 2010
- Exenteratio pelvis + colostomy + graciloplasty
- Acute peritonitis from bowel perforation (day 7 post op)
- Exploratory laparotomy and diverting ileostomy
- Difficult choice of skin barrier
- Problems with leakage and skin irritation due to contact with the enteral fluids
- The patient was very nervous about having to care for her stoma post surgery
- The patient wanted to make a balanced decision on which ostomy system to choose

Approach and Results

- A Stomahesive® ConvaTec Moldable Technology™ Skin Barrier was applied
- One week later skin is well protected
- The patient is feeling well using a ConvaTec Moldable Technology™ Skin Barrier

Clinician: Liliana Tadini, Head Nurse, ET Nurse, Istituto Europeo di Oncologia, Milan, Italy
Case Study #12: A two piece system with ConvaTec Moldable Technology™ Skin Barrier

Clinical Challenge
- 56-year-old male
- Resection of the sigmoid due to Diverticulitis
- Ostomy surgery for the dehiscence of the anastomosis
- Hartmann’s Colostomy
- Peristomal disorder (SACS™ Classification): L4-T-II-III (mucocutaneous dehiscence)

Approach
- ConvaTec Moldable Technology™ Skin Barrier applied replacing the post op system

Results
- Six days following use of ConvaTec Moldable Technology™ Skin Barriers, patient maintained healthy skin, without leakages
- Tissue granulation starts

Conclusion
- ConvaTec Moldable Technology™ Skin Barriers are easy to use
- The flexible adhesive hugs stoma contours creating a personalized snug fit, eliminating gaps between stoma and adhesive thus minimizing risk of leakage and helping to improve skin protection

Clinicians: Gaetano Militello - ET Nurse and WOCN, “Misericordia e Dolce” Hospital – Prato (Italy)
Mario Antonini - ET Nurse and WOCN, “San Giuseppe” Hospital – Empoli (Italy)
ConvaTec Moldable Technology™ Skin Barriers Demonstrated High Levels of Satisfaction²

96% of stoma nurses rated ease of molding as “excellent” or “very good”

95% of patients rated ease of molding as “excellent” or “very good”

87% of stoma nurses noted that teaching product usage was “easy”

88% of stoma nurses rated the overall satisfaction as “excellent” or “very good”

ConvaTec Moldable Technology™ Skin Barriers

References:

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