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## Case Studies For Ostomy/Wound Care

Securing pouches, drainage tubes and dressings demands special attention to adhesion and skin wear. The quality of patient care in Ostomy and Wound Management therapies is enhanced by skin comfort and extended wear time. The Case Studies below show the difference Hy-Tape made when it counted.

### Wearing Time of Ostomy Pouch



#### Challenge

E. is a 27-year-old woman with an ileostomy due to Crohn's Disease. She is an active full-time student and avid sports enthusiast. Because of her outdoor sports activities, including swimming, hiking in warm weather, and fishing in streams, the average wearing time of her pouch was 1.5 days. Her skin became irritated from wet, non-waterproof tape and frequent pouch changes.

Moisture, heat, and physical activity put extra stress on any pouching system. Additional moisture from humidity and perspiration can macerate healthy skin. Most other tapes used to reinforce ostomy

pouches are not waterproof and are difficult to remove when wet. Skin may be torn when the adhesive is pulled from the skin.

In temperatures ranging from 85-97 degrees Fahrenheit, E. engaged in outdoor sports and conducted a trial of Hy-Tape®. Her goal was to extend the pouch wearing time with an adhesive that would be more gentle on her skin.

#### Solution

Hy-Tape®, The Original Pink Tape®, was applied in a picture frame fashion over the adhesive and skin barrier backing of the pouching system. This additional securing tape increased pouch wearing time from 1.5 days to 3-4 days. When the tape was removed, the skin was intact, healthy, and not irritated or itchy. E. was able to shower and swim frequently while the Hy-Tape® remained securely attached. One of the main advantages of Hy-Tape® is its ability to adhere to oily or hairy skin and conform to body contours. The zinc oxide adhesive soothes the skin and the tape is easily removed. E. feels more secure when engaging in physical activity under moist, humid conditions. In her case, the pouch remained in place and the skin under the Hy-Tape® remained healthy and intact.

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## Securing IV Catheters, Tubings and Dressing



### Challenge

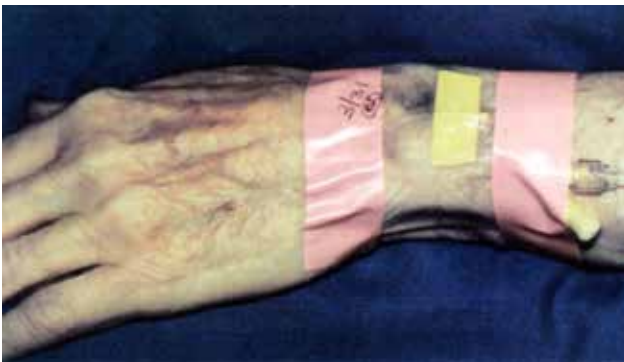
Securing intravenous catheters, tubing, and dressings requires a tape that is durable and conforms to body contours. Ideally, tape should adhere to oily or hairy skin, yet be gentle to the skin. Patients who are receiving long-term infusion therapy or chemotherapy are especially in need of a tape that will not traumatize the skin. Elderly, immunosuppressed, and dehydrated patients who receive IV therapy are highly susceptible to bacterial invasion through microscopic fissures in the skin. This may, in turn, increase the risk of skin breakdown, phlebitis, sepsis, and trauma from adhesives.

### Solution

Hy-Tape®, “The Original Pink Tape®,” is a clinically proven cost-effective solution for securing intravenous catheters, tubing and dressings. Its gentle adhesive helps to reduce the potential for skin damage. Hy-Tape® is particularly beneficial in humid environments, on sites with drainage, and for patients with excessive perspiration or diaphoresis. Hy-Tape® can be applied to oily or hairy skin and conforms well to body contours. If the tape becomes soiled, it can be washed, yet it remains intact without adhesive meltdown or residue. Additionally, Hy-Tape® is easy to handle with gloves.



Hy-Tape®'s zinc oxide adhesive is soothing to delicate skin and allows the tape to be removed easily. IV dressings can be secured with a picture frame of Hy-Tape® which provides a barrier to fluids when used over a gauze dressing. 13.5 -14 inches of Hy-Tape® is needed to secure an IV catheter.



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## Securing Hydrocolloid Dressings

### Challenge

A research study was conducted to address the problem of treating pressure sores. This randomized, controlled clinical study involved patients with documented Stage II, III, and IV pressure sores. Patient groups received a nursing care plan which included hydrocolloid dressings bordered by Hy-Tape® for Stages II and III. In incontinent patients with sores on the sacrum, hydrocolloids were completely covered with Hy-Tape®. Eighty patients were studied.

### Solution

Nurses using Hy-Tape®, The Original Pink Tape®, in this study gave Hy-Tape® an “excellent” rating for providing the following clinical benefits:

- Zinc oxide-based adhesive was soothing to delicate skin, preventing skin breakdown and skin irritation
- Increased wearing time of dressing
- Ease of application-stayed flat and smooth without curling or wrinkling
- Adhered firmly to skin and dressing
- Conformed easily to body contours-shaped by gentle finger pressure in all traditional “hard to fit” areas
- Completely washable without compromising adhesion: mild soap/water removed all soilage including feces & urine
- Removed easily without irritating sensitive skin-left no residue upon removal



Use Hy-Tape® to picture frame borders of a hydrocolloid dressing to be left in place for up to seven days.



Hy-Tape® is removed after one week. Skin remains healthy with no irritation.



Compare untaped hydrocolloid dressing to a dressing taped with Hy-Tape®. Notice rolled edges where tape detaches from wound area without Hy-Tape®.



Where zinc oxide-treated Hy-Tape® is used, surrounding skin remains healthy and unaffected by incontinence. Marked healing of the coccyx pressure sore is evident.



When protection from urinary or fecal incontinence is essential, entire dressing surface benefits from Hy-Tape. Soiled tape can be washed with soap and water without compromising adhesion.

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## Fecal Incontinence Collector Use



### Challenge

Fecal collection pouches can be used successfully to manage bowel incontinence. However, the secure attachment of the pouch is critical to contain stool and save the skin. Effective adherence to the peri-anal region often requires an additional adhesive surface due to the limited area of skin available for applying this type of device. The barrier and adhesive borders available for skin contact are limited which often reduces wearing time.

Clinicians frequently use paper and silk type tapes to provide additional security. The adhesives in these tapes may irritate the skin and offer no protection from wetness. Skin under these tapes often

becomes macerated. Even the most careful removal technique may not prevent tearing the delicate skin.

### Solution

A solution to increase the available adhesive surface and protect the skin from maceration and breakdown is needed. Hy-Tape®, "The Original Pink Tape®", provides both additional adhesion and a zinc oxide-based adhesive to soothe the skin. Hy-Tape® adheres to oily or hairy skin, is washable and waterproof, providing security even when exposed to moisture. Because it is thin and flexible, it conforms easily to body contours and will not roll or detach from the fecal collector. When the Hy-Tape® strips are removed, the skin remains intact and healthy.