

POUCHING THE CHALLENGING PATIENT

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Please turn off all cell
phones and pagers

Thank You

OBJECTIVES

Topics will include tricks of the trade to better utilize standard and specialized equipment for the management of patients with difficult ostomy/fistula situations

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Dealing with Urostomy Situations

4

How can a urinary stoma in a fold or crease be managed?

5

1. A *flexible* flat pouch?

Maybe

6

2. A *convex* pouch?

Maybe

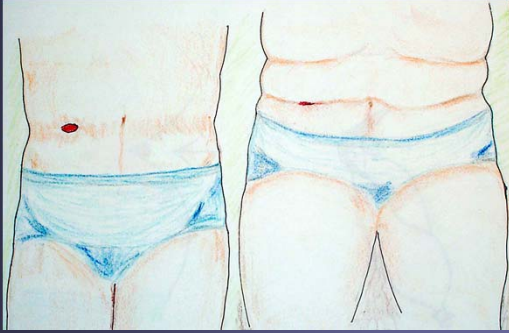
7

What about those deep creases and folds?

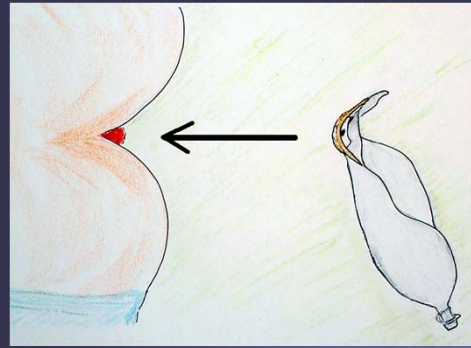
A stoma in a waistline.

8

Dealing with Urostomy Situations



Dealing with Urostomy Situations

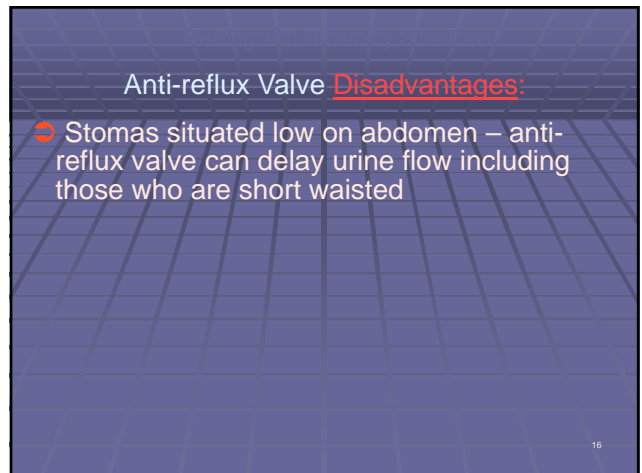
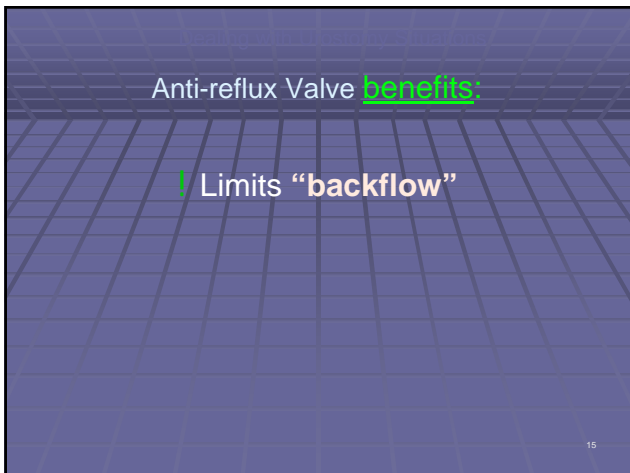
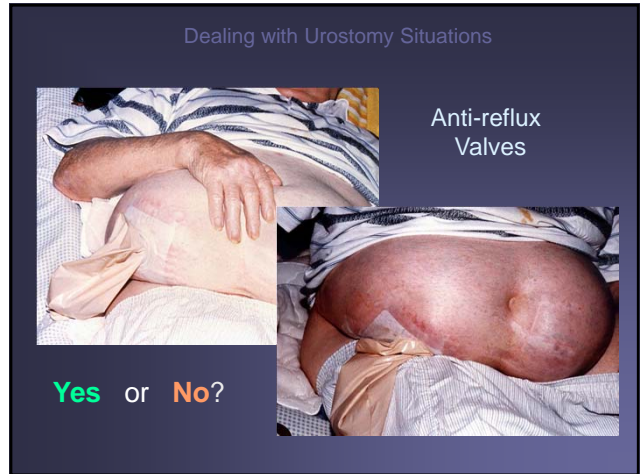
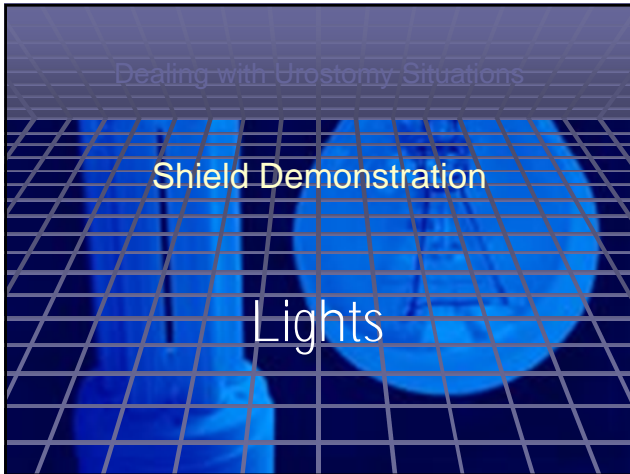


Dealing with Urostomy Situations



Dealing with Urostomy Situations





Anti-reflux Valve Disadvantages:

- Stomas situated low on abdomen – anti-reflux valve can delay urine flow including those who are short waisted
- Limits adequate pouch hygiene in one piece pouching systems

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Anti-reflux Valve Disadvantages:

- Stomas situated low on abdomen – anti-reflux valve can delay urine flow including those who are short waisted
- Limits adequate pouch hygiene in one piece pouching systems
- May decrease visibility of the stoma for accurate pouch placement – especially in one piece systems

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Anti-reflux Valve Disadvantages:

- Stomas situated low on abdomen – anti-reflux valve can delay urine flow including those who are short waisted
- Limits adequate pouch hygiene in one piece pouching systems
- May decrease visibility of the stoma for accurate pouch placement – especially in one piece systems
- Some anti-reflux valves work better than others

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Situation of changeable peristomal skin surface with change in positioning.
(the yo-yo effect)

What now? **Waterproofing.**

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Dealing with Urostomy Situations

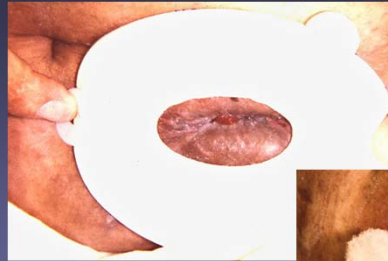


Yo-yo effect in lying position



Yo-yo effect in sitting position

Dealing with Urostomy Situations



Opening to level area



Waterproofing with adhesive



Use of Adhesive

Use of Adhesive



Use of Adhesive

Let's Practice Using the Adhesive



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Use of Adhesive

Thick & Thin Adhesive



Use of Adhesive



Review: *When to Use Adhesive for better adhesion of appliance?*

- Oily skin

Review: *When to Use Adhesive for better adhesion of appliance?*

- Oily skin
- Heavy perspiration

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- Scar lines – hard to adhere areas

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Review: *When to Use Adhesive for better adhesion of appliance?*

- Oily skin
- Heavy perspiration
- Scar lines – hard to adhere areas
- Slick shiny skin
- Waterproofing

Review: *When NOT to Use Adhesive?*

- Skin sensitivity

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- Fragile/friable skin (for light adhesion use SkinPrep™ or Skin-Tac - "H")

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- Neonates

Review: *When NOT to Use Adhesive?*

- ☑ Skin sensitivity
- ☑ Fragile/friable skin (for light adhesion use SkinPrep™ or Skin-Tac - "H")
- ☑ Neonates
- ☑ Irritated weeping/macerated skin

Skin Irritation & Sensitivity

What to do for **weepy skin** situations?

❖ Astringent Wet Dressing

- ❖ Burow's Solution
- ❖ Domeboro's™ (aluminum sulfate & calcium acetate)
- ❖ Bluboro's™

Skin Irritation & Sensitivity

❖ Treat maceration with:

- ❖ Hydrocolloid powder
 - ❖ Stomahesive™, Hollister Premium Powder™, etc.)
- ❖ Hydrocolloid disc or wafer added to the pouch, or pouch with barrier already on it

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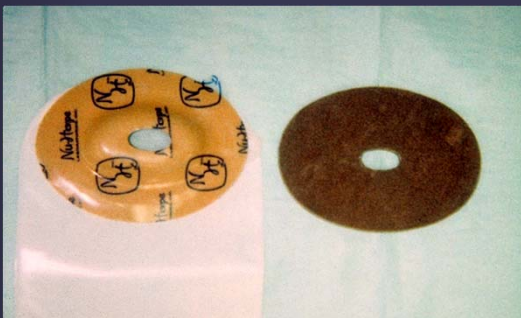
Skin Irritation & Sensitivity

❖ Treat pseudoepithelial hyperplasia

- ❖ Press out irregular skin surface
 - ❖ Use of convexity and belting
 - ❖ Use of Colly-Seel™, Eakin™, Blanchard or Barrier 54, etc.

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Skin Irritation & Sensitivity



Skin Irritation & Sensitivity



Eakin Cohesive® Seal



ConvaTec

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Skin Irritation & Sensitivity

- ❖ Treat fungal rash if present
 - ❖ Mycostatin™ (Nystatin™, Nystop™)
 - ❖ Clotrimazole™ (Lotrimin™, *Lotrisone™)
 - ❖ Miconazole nitrate (Monistat-Derm™, Microguard™, Mitrazol™, Remedy Antifungal Powder™)
 - ❖ Mycolog™ – antifungal, *antibacterial, anti-inflammatory)
 - ❖ Address alkaline urine if present

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Skin Irritation & Sensitivity

Address alkaline urine if present

Adhesive Transfer

When to Use . . .

Eliminate any solvent content:

- Sensitive skin
- Spit fistula near trach
- Active stoma
- Young child

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Demonstration applying adhesive transfer to paper

Lights

Pouching Systems

Pouching Systems

- 🌀 Drainable - Fecal Ostomies and/or Fistula Situations

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Pouching Systems

- 🌀 Pre-Cut vs Trim-to-Fit vs Moldable vs Flush Cut

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Pouching Systems

Pre-Cut: Advantages

- Easier – already sized

55

Pouching Systems

Pre-Cut: Advantages

- Easier – already sized
- Consistent and accurate opening

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Pouching Systems

Pre-Cut: **Advantages**

- Easier – already sized
- Consistent and accurate opening
- Support shield opening is in proportion to barrier & foam opening

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Pouching Systems

Pre-Cut: **Advantages**

- Easier – already sized
- Consistent and accurate opening
- Support shield opening is in proportion to barrier & foam opening
- Allows for protruding stoma

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Pouching Systems

Pre-Cut: **Disadvantages**

- Need large inventory of pouches

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Pouching Systems

Pre-Cut: **Disadvantages**

- Need large inventory of pouches
- Not all stomas come “round”

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Pouching Systems

Pre-Cut: Disadvantages

- Need large inventory of pouches
- Not all stomas come "round"
- Few companies provide oval

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Pouching Systems

Trim-to-Fit: Advantages

- No need for large inventory

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Pouching Systems

Trim-to-Fit: Advantages

- No need for large inventory
- Good for changing stoma size

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Pouching Systems

Trim-to-Fit: Advantages

- No need for large inventory
- Good for changing stoma size
- Comes flexible, flat and convex styles

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Trim-to-Fit: Disadvantages

- ➔ Requires cutting to size

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Trim-to-Fit: Disadvantages

- ➔ Requires cutting to size
- ➔ Barrier unsupported could lead to undermining and leakage

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Trim-to-Fit: Disadvantages

- ➔ Requires cutting to size
- ➔ Barrier unsupported could lead to undermining and leakage
- ➔ Difficult to maintain consistent accurate openings

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- Consider – pre-cut vs trim-to-fit
 - One and two piece appliance

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Moldable Flange: Advantages

- No need for large inventory

69

Moldable Flange: Advantages

- No need for large inventory
- Can form to oval shape

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Moldable Flange: Advantages

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- Simpler to use – no cutting

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Moldable Flange: Advantages

- No need for large inventory
- Can form to oval shape
- Simpler to use – no cutting
- Allows for change in stoma size

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Pouching Systems

Moldable Flange: Disadvantages

- Round rigid conformation

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Pouching Systems

Moldable Flange: Disadvantages

- Round rigid conformation
- Barrier's center would be unsupported

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Pouching Systems

Moldable Flange: Disadvantages

- Round rigid conformation
- Barrier's center would be unsupported
- Hand and eye dexterity is needed to shape and form.

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Pouching Systems

Flush Cut: Advantages

- Gives maximum support up to the retracted stoma and/or fistula margin

👉 Should only be used with retracted or below skin level stomas

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Pouching Systems



Pouching Systems

✎ Modifying Pouches FLAT or *Convex*

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Pouching Systems

Methods of Modification

- Add barrier wedges or washers

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Pouching Systems

Methods of Modification

- Add barrier wedges or washers
- Waterproofing layers

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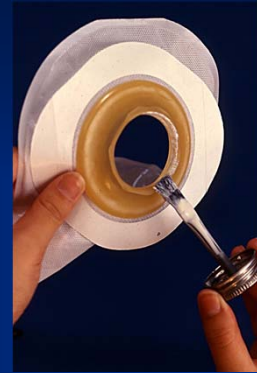
Pouching Systems

Convex barrier pouch rolling inner opening



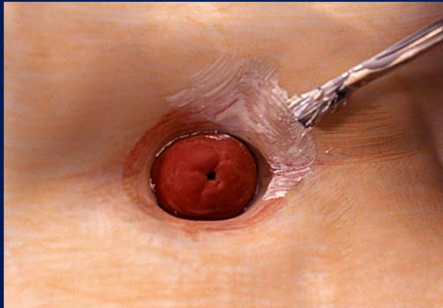
Pouching Systems

Convex barrier pouch waterproofing inner opening



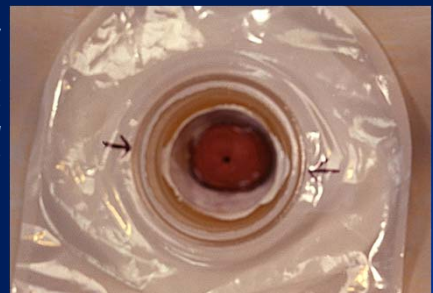
Pouching Systems

Waterproofing skin for oversize opening in pouch



Pouching Systems

Convex barrier pouch waterproofing inner opening and waterproofing exposed skin area



Pouching Systems

Convex Availability: **Disposable** ☐

- Coloplast
- ConvaTec
- Hollister
- Nu-Hope
- Etc.

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Pouching Systems

Convex Availability: **Disposable** ☐

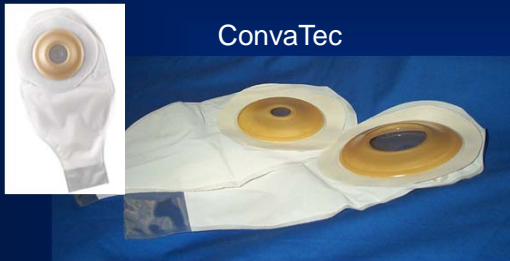
Coloplast



Pouching Systems

Convex Availability: **Disposable** ☐

ConvaTec

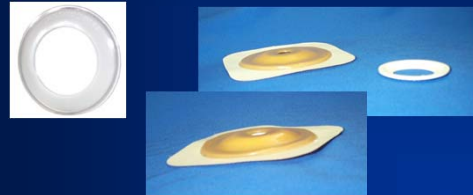


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Pouching Systems

Convex Availability: **Disposable** ☐

ConvaTec



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Pouching Systems

Convex Availability: **Disposable** ☐

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Pouching Systems

Convex Availability: **Disposable** ☐

Hollister



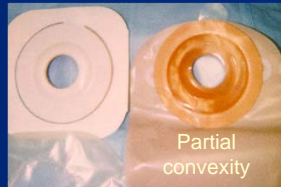
Pouching Systems

Convex Availability: **Disposable** ☐

Nu-Hope



Ileostomy with pressure sore at 9 o'clock position



Partial convexity

Pouching Systems

Convex Availability: **Disposable** ☐

Nu-Hope

Lights

Pouching Systems

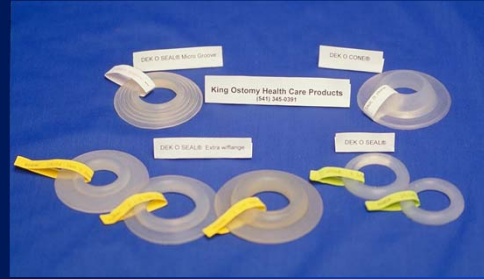
Convex Availability: **Reusable** ↻

- King Ostomy
- Perma-type
- Rutzen
- Torbot
- Nu-Hope Non-Adhesive System
- Formerly VPI / EHOB*

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Pouching Systems

CONVEX AVAILABILITY: **REUSABLE** ↻



Pouching Systems

CONVEX AVAILABILITY: **REUSABLE** ↻

Perma-type



Pouching Systems

CONVEX AVAILABILITY: **REUSABLE** ↻

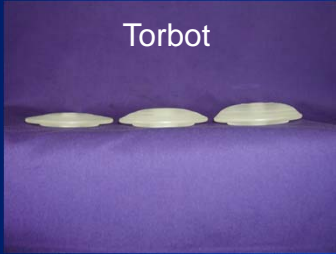
Rutzen



Pouching Systems

CONVEX AVAILABILITY: **REUSABLE** ↻

Torbot



Pouching Systems

Convex Availability: **Reusable** ↻

Nu-Hope Non-Adhesive System

Formerly VPI / EHOB



Pouching Systems

*When is rigid convexity **not** advisable?*

- ↻ Immediately post-op

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Pouching Systems

*When is rigid convexity **not** advisable?*

- ↻ Immediately post-op
- ↻ Caput medusae

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Pouching Systems

When is rigid convexity not advisable?

- Immediately post-op
- Caput medusae
- With large peristomal hernia

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Pouching Systems

When flexibility is needed – yo-yo



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Pouching Systems

High Output Systems

ConvaTec



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Pouching Systems

High Output Systems

Coloplast



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Pouching Systems

High Output Systems

Nu-Hope (30 oz.)



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Pouching Systems

High Output Systems

Nu-Hope – Gusset



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Pouching Systems

High Output Systems

Nu-Hope

Modified outlet plus drainage system



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Pouching Systems

Wound/Fistula Management †

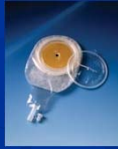
- Coloplast
- ConvaTec
- Eakin
- Hollister
- Nu-Hope

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Pouching Systems

Wound/Fistula Management †

Coloplast



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Pouching Systems

Wound/Fistula Management †

ConvaTec



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Pouching Systems

Wound/Fistula Management †

Eakin



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Pouching Systems

Wound/Fistula Management †

Hollister



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Pouching Systems

Wound/Fistula Management †

Nu-Hope – Fistula Pouches



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Pouching Systems

Wound/Fistula Management †

Nu-Hope - Custom



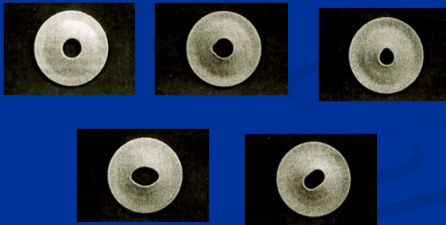
114

Pouching Systems

Modification of Adhering Surfaces

Custom Plates

Perma-type



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Pouching Systems

Modification of Adhering Surfaces

Custom Plates

Torbot



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Pouching Systems

Modification of Adhering Surfaces

Nu-Hope Custom Pouches



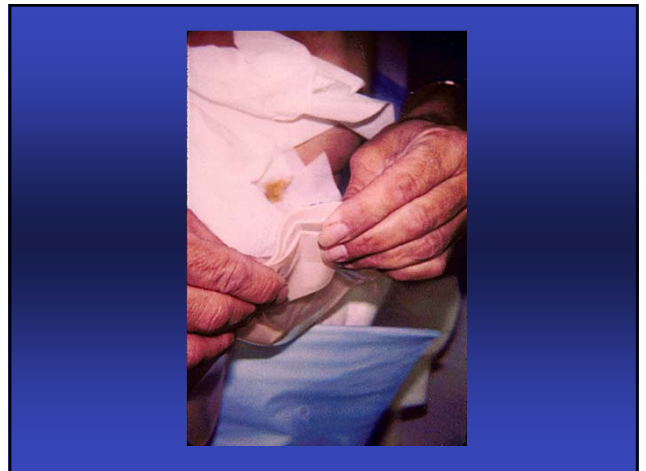
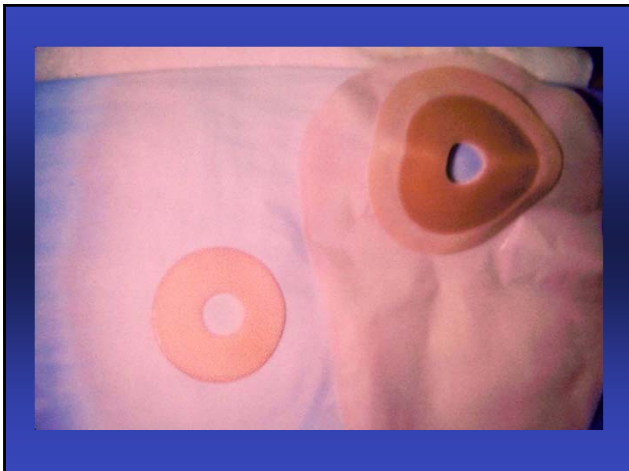
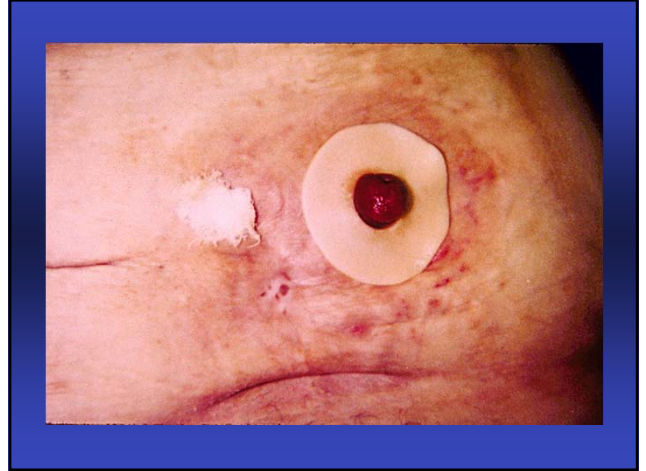
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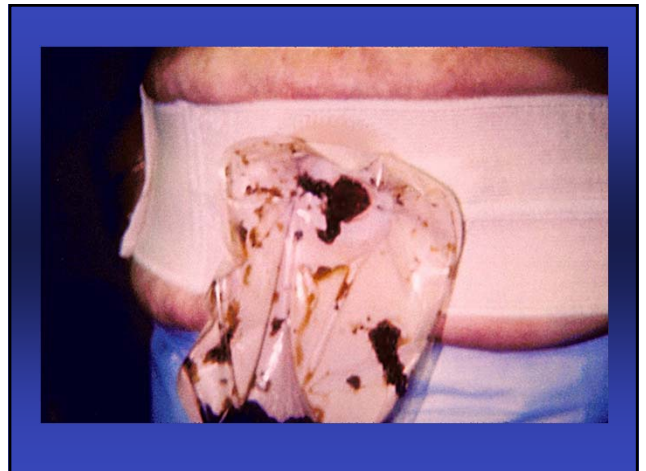
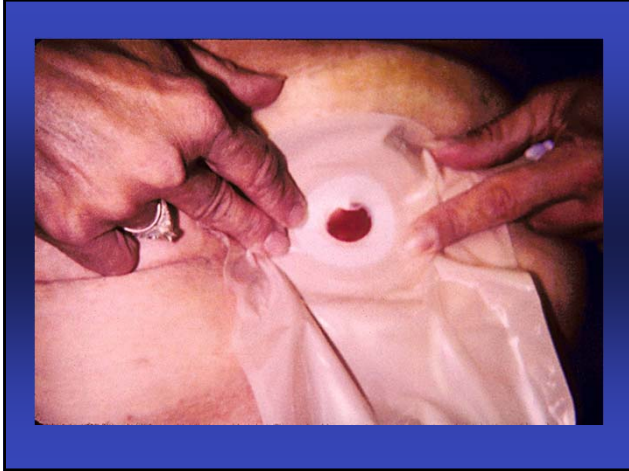
Nu-Hope Case Study

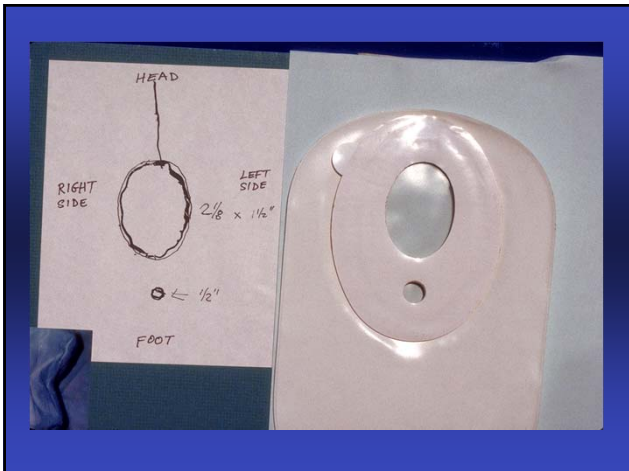
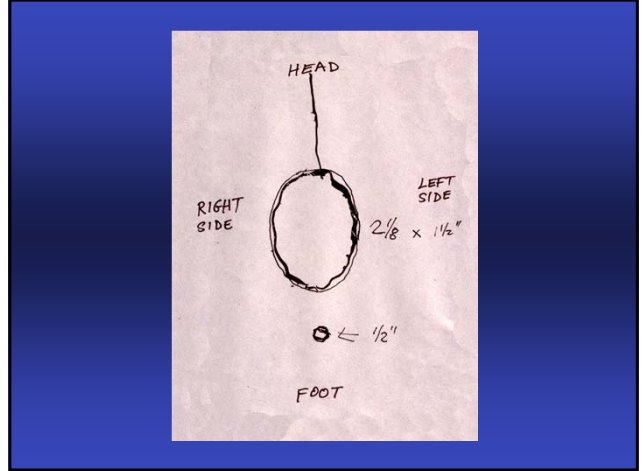
Group 1



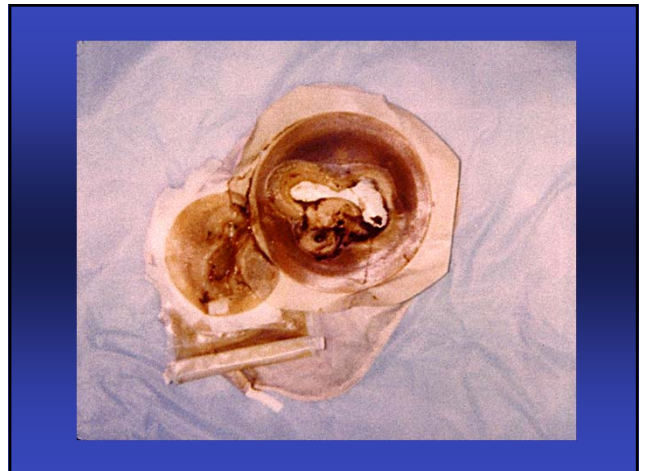
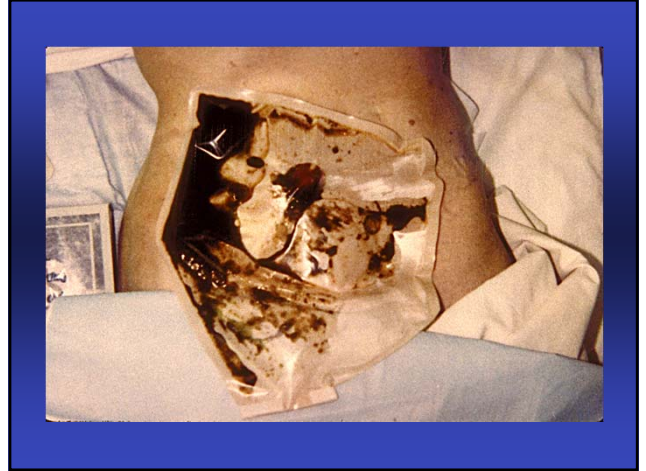


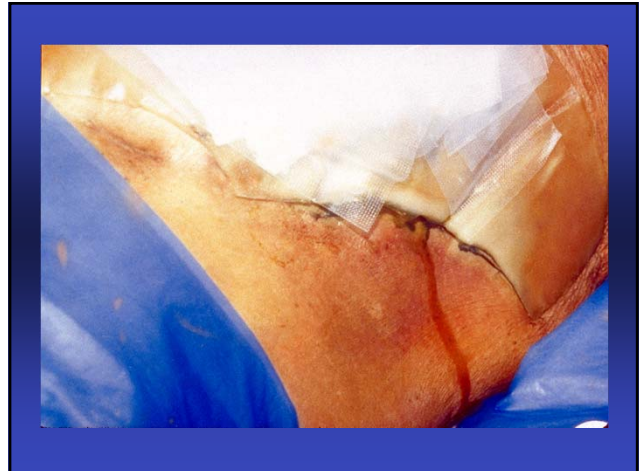








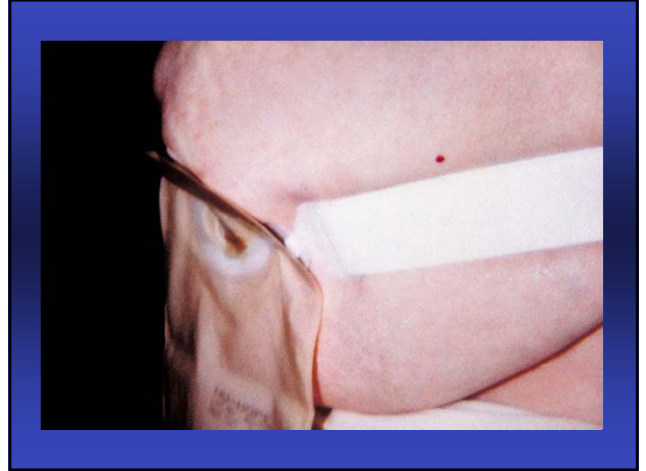












Nu-Hope Case Study
Group 2

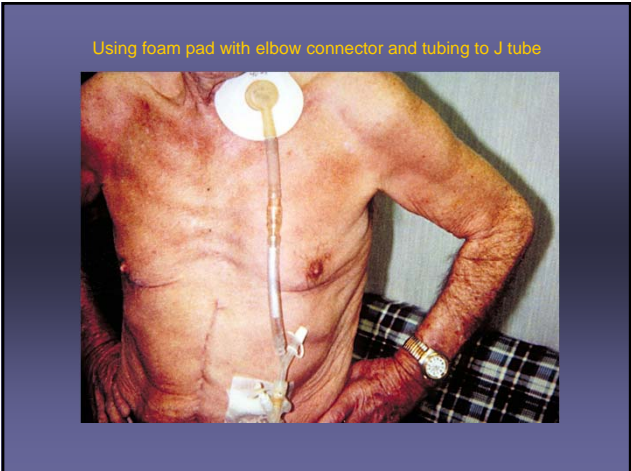
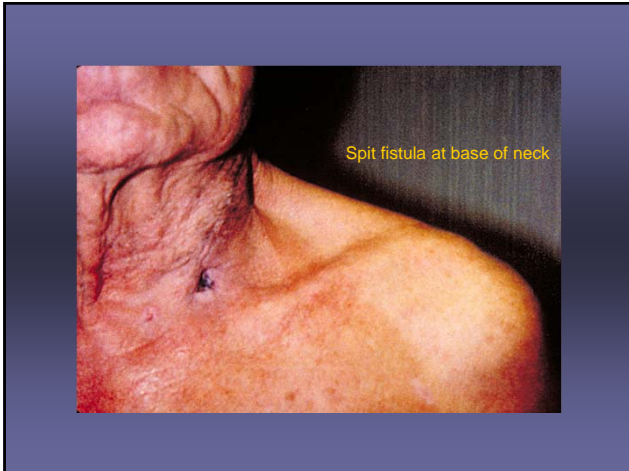
A photograph of a pink flower with a dark center, set against a teal background. The flower has five petals and a prominent central structure.



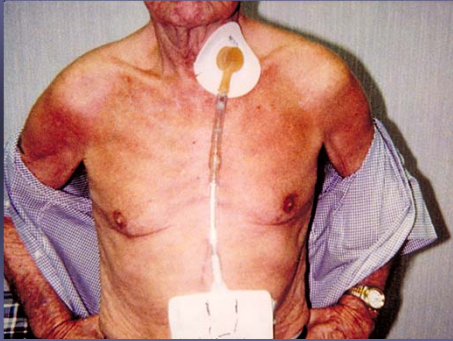




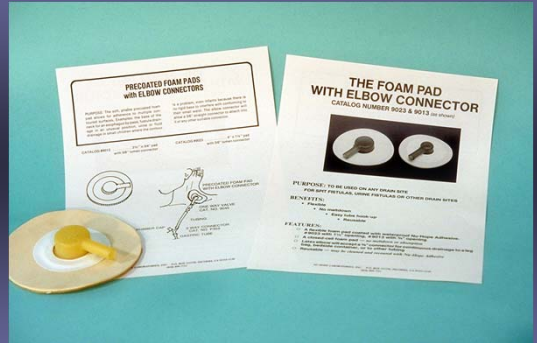




Using foam pad with elbow connector and tubing to leg bag



Product Information Sheet



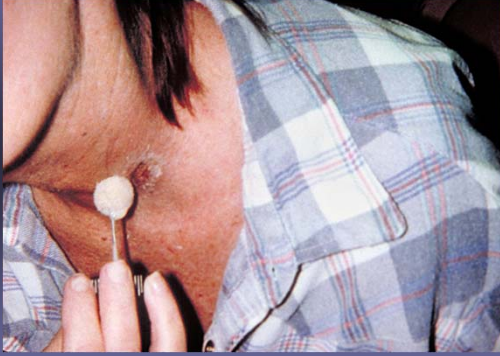
Spit fistula at base of neck



Close up



Preparing Nu-Hope adhesive around spit fistula



Testing for adhesive readiness



Applying Nu-Hope adhesive to inner pre-cut opening for waterproofing



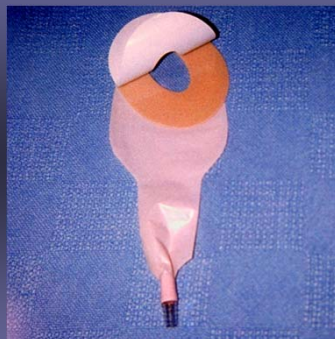
Applying pouch



Holding in place for 3 minutes



Custom pouch to allow large volume of fluids to collect and drain slowly down tubing



Complete hookup of drainage system with support system



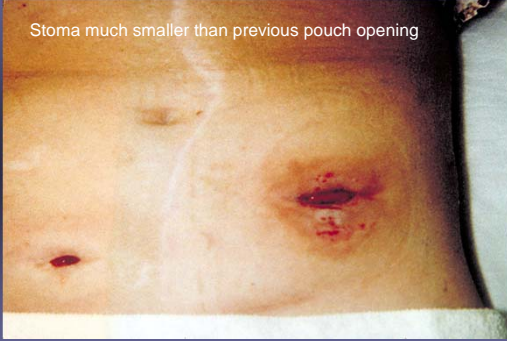
Drainage support system to hold leg bag



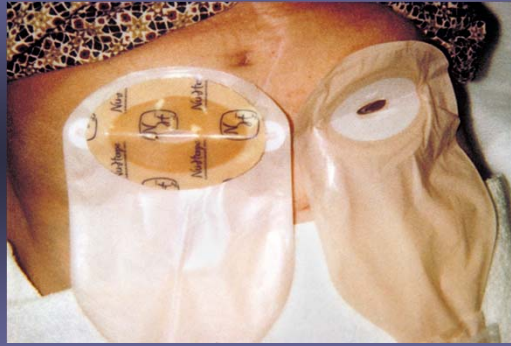
Improper opening in pouch system



Stoma much smaller than previous pouch opening



Using oval flat bendable with proper pre-cut opening



Urostomy with yeast infection (sitting position)



Urostomy with yeast infection (lying position)



Treatment of yeast infection with various antifungal medication



Quick melt out using extended wear barrier



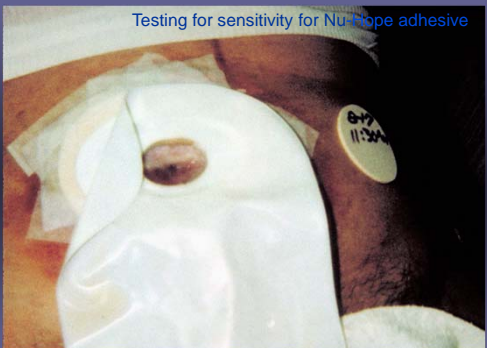
Using Colly-Seel™



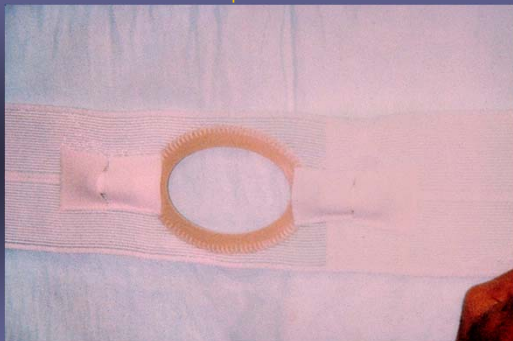
Applying pouch having a flush cut opening



Testing for sensitivity for Nu-Shape adhesive



Modifying support belt to hold pressure points at 3 and 9 o'clock position

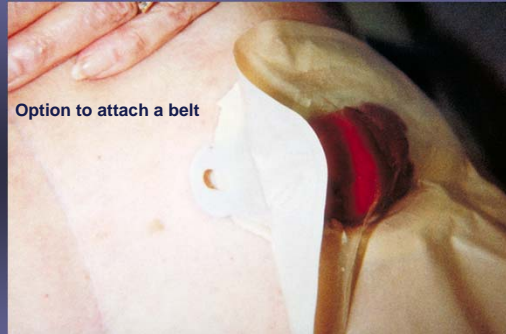


Loop transverse colostomy (supine position)



Sitting Position





Pouching Systems

Intermission

Lights

Barriers/Hydrocolloids

Barriers/Hydrocolloids

Barrier Composition

Barriers/Hydrocolloids

Hydrophilic – (wet tack for weepy skin)

- ✓ Gelatin
- ✓ Guar Gum
- ✓ Karaya
- ✓ Pectin

Barriers/Hydrocolloids

Synthetic

- ✓ Carboxymethylcellulose
 - ✓ Copolymers
- ✓ Polyisobutylene
 - ✓ etc.

Barriers/Hydrocolloids

Synthetic Properties:

- ✓ Add longevity to hydrophilic powders
 - ✓ Stretchability
 - ✓ Moldability

Barriers/Hydrocolloids

Let's set up a nail polish demonstration.

Lights

Barriers/Hydrocolloids

Barrier Forms:

- ◀ Powder
- ◀ Paste
- ◀ Solid

Barrier Forms: Powder

Advantages

- Adheres to weepy skin
- Coats wound bed surfaces
- Quick absorption of moisture

Disadvantages

- ⊗ Not a durable barrier
- ⊗ Too much powder can cause pouch failure

Barrier Forms: Paste

Advantages

- Molds to body surfaces
- Fills in fine lines, creases, folds
- Acts as caulking

Disadvantages

- ⊗ Solvents can cause discomfort to irritated skin
- ⊗ Can be hard to apply
- ⊗ Not as durable as solid barrier
- ⊗ Too much paste can cause pouch failure

Barrier Forms: Solid

Advantages

- Strips, washers, wafers, disc, squares, flanges
- More durable
- Easier application
- Various compositions for different effluents

Disadvantages

- ⊗ Does not conform well into fine lines, creases or folds
- ⊗ Need to know which barrier performs better to output situation

Let's look at the barriers and a demonstration.

Lights

Barriers are Thermal Set

Factors affecting longevity:

- ◀ Composition of barrier

Factors affecting longevity:

- ◀ Composition of barrier
- ◀ Type and quantity of output

Factors affecting longevity:

- ◀ Composition of barrier
- ◀ Type and quantity of output
- ◀ Application of barrier

Factors affecting longevity:

- ◀ Composition of barrier
- ◀ Type and quantity of output
 - ◀ Application of barrier
- ◀ Surface on which barrier is applied

Factors affecting longevity:

- ◀ Composition of barrier
- ◀ Type and quantity of output
 - ◀ Application of barrier
- ◀ Surface on which barrier is applied
 - ◀ Support to barrier

Barrier enhancers for longevity:

- ☀ Adhesive waterproofing (nail polish)
 - ☀ Nu-Sorb™ / Parsorb™ / Ilesorb™
 - ☀ Thin rubber seals (exam gloves)
 - ☀ Stoma Hats

Thin rubber seal

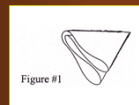


Figure #1

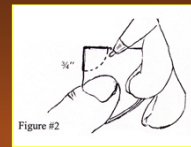


Figure #2

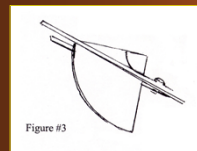
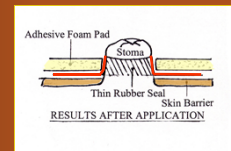


Figure #3



Barriers/Hydrocolloids



Stoma Hats



Mold Impressions for Custom Fittings

Mold Impressions Custom Fitting

Who Qualifies?

Those with irregular skin surface and/or creases – standing, sitting or lying down.

Mold Impressions Custom Fitting

Mold impressions do not work well for those with changeable skin surface(s)

Mold Impressions Custom Fitting

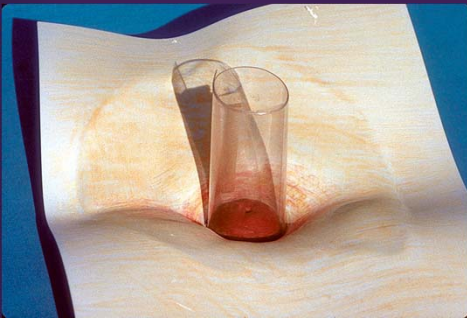
Materials used:

- Dental alginate impression powder
- Cold water
- Stir stick
- Plastic strip

Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



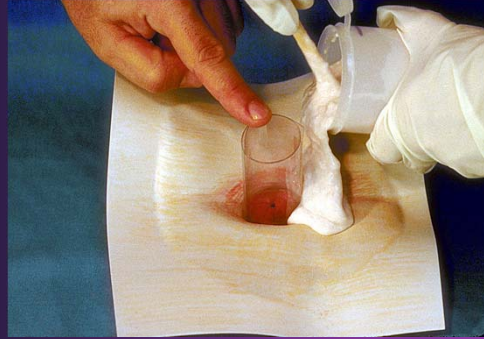
Mold Impressions Custom Fitting



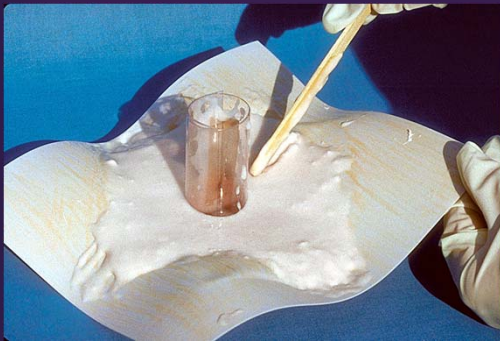
Mold Impressions Custom Fitting



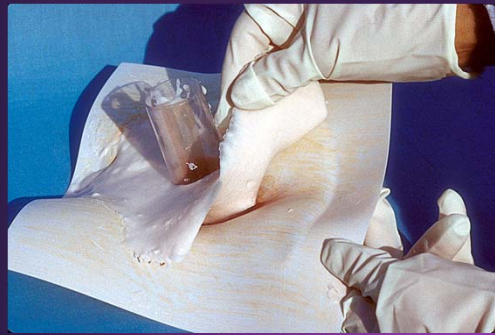
Mold Impressions Custom Fitting



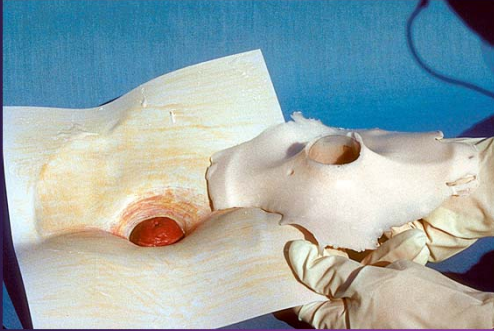
Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised

Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised
- ✓ Equal parts cold water & alginate powder

Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised
- ✓ Equal parts cold water & alginate powder
- ✓ Prefer thicker alginate mixture rather than watery consistency

Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised
- ✓ Equal parts cold water & alginate powder
- ✓ Prefer thicker alginate mixture rather than watery consistency
- ✓ Build up more alginate around stoma area

Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised
- ✓ Equal parts cold water & alginate powder
- ✓ Prefer thicker alginate mixture rather than watery consistency
- ✓ Build up more alginate around stoma area
- ✓ Lay the stir stick flat on the alginate pointing up toward the head

Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised
- ✓ Equal parts cold water & alginate powder
- ✓ Prefer thicker alginate mixture rather than watery consistency
- ✓ Build up more alginate around stoma area
- ✓ Lay the stir stick flat on the alginate pointing up toward the head
- ✓ Cleanse mold impression with 1 part bleach, 10 parts H₂O

Mold Impressions Custom Fitting

Review:

- ✓ Position: patient should be supine or sitting up at a 45° angle with the legs raised
- ✓ Equal parts cold water & alginate powder
- ✓ Prefer thicker alginate mixture rather than watery consistency
- ✓ Build up more alginate around stoma area
- ✓ Lay the stir stick flat on the alginate pointing up toward the head
- ✓ Cleanse mold impression with 1 part bleach, 10 parts H₂O
- ✓ Keep moist by wrapping in damp paper towel

Mold Impressions Custom Fitting

Helpful Additional Information

- ! Actual tracing of area involved using a fine line Sharpie Marker

Mold Impressions Custom Fitting

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- ! Actual tracing of area involved using a fine line Sharpie Marker
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- ! Indicate land marks on tracing umbilicus, wounds, tubes, scars, creases

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 - ▣ Identify photos: person & orientation

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- ! Indicate land marks on tracing umbilicus, wounds, tubes, scars, creases
- ! Photos of situation
 - ▣ Identify photos: person & orientation
 - ▣ Describe if taken lying, sitting, face on or side view



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions Custom Fitting



Mold Impressions for Custom Fitting

Mold impression practice

Lights

Belting Situations

The How and Why
of various belts

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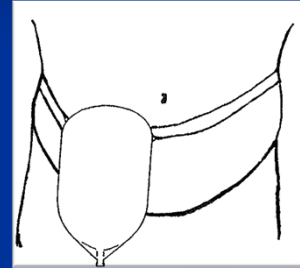
Belting Situations

Ostomy Belts

1 inch & 1-1/2" ostomy belts help support the pouch along the 3:00 to 9:00 plane. Supports pouch contents.

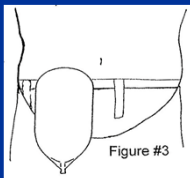
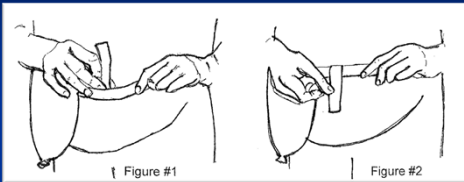
273

But what if the ostomy belt rides up and pulls the pouch out of place?



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Secure it with tape!



The tape will keep the belt level in front with the pouch.

A belt made with tape?

Why?...

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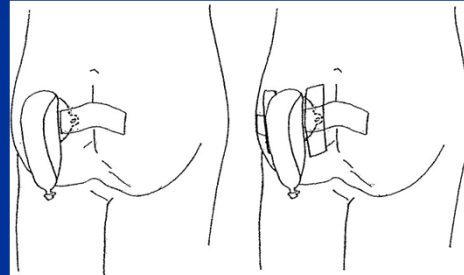
- ◆ To support and help secure the pouch when an elastic belt does not work well related to the persons abdominal contour.



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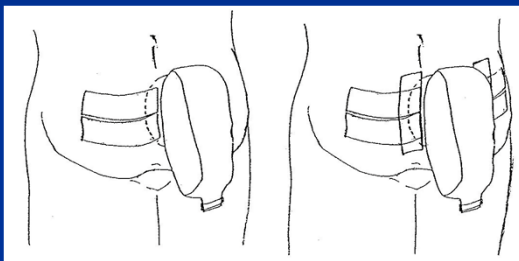
How...

Pouch with belt loops/tabs



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Pouch without belt loops/tabs



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