

# **General & Advanced Wound Care**

## **Patti Baicy/Laura Popkes**

*McKesson Brand  
Comprehensive Wound Care*



# *Wound Assessment*



# Assessing Wounds

blood supply, pressure,  
friction, shear, edema,  
nutrition, incontinence,  
limited mobility, increased  
body temperature

Treat Cause

Local Wound  
Care

Autolytic, Enzymatic,  
Mechanical, Surgical

Debridement

Cleansing, Topical  
Antimicrobial Dressings,  
Antibiotics

Treat  
Infection

Manage  
Edema

Multi-layer compression  
bandage systems,  
Tubular bandage, Unna  
boots

Moisture  
Balance

Collagen, Hydrogel, Hydrocolloid,  
MEDIHONEY® Gel, MEDIHONEY® Honeycolloid,  
MEDIHONEY® Paste, MEDIHONEY® Hydrogel, Light  
Silicone Adhesive Foam, Silicone Contact Layer,  
Transparent Film, Xeroform Dressings

Minimal  
Drainage

Moderate to  
Heavy  
Drainage

Adhesive and Non-Adhesive Foam,  
Calcium Alginate, Calcium Alginate with Antimicrobial  
Silver, Collagen, MEDIHONEY® Calcium Alginate,  
Silicone Adhesive Foam, Gelling fiber Dressing,  
Silicone Contact Layer, Super Absorbent Dressings

*Skin Prep  
Product Selection*



# Wipes



## Adhesive Remover Wipes

- Helps to remove adhesive tape, adhesive residue and adhesive ostomy products from skin
- Cleanses skin and removes adhesives and debris from peristomal skin
- Gentle, alcohol-based formula



## Barrier Film NO-STING WIPES

- Forms a barrier to protect the skin from adhesives, friction and body fluids
- Alcohol-free formula for sting-free comfort
- Leaves a thin, breathable and transparent film on skin with no offensive odor
- Increases adhesion of tapes and wafers for added security and extended wear time
- Helps avoid adhesive buildup

# General Cleansers



## McKesson Dermal Wound Cleanser

- Non-sterile, preserved wound cleanser is for multiple use on chronic and acute wounds.
- Non-cytotoxic
- Convenient no-rinse formulation



## Saline Wound Flush

- For moistening absorbent wound dressings and cleaning minor cuts, minor burns, superficial abrasions and minor irritations of the skin
- 0.9% USP Sodium Chloride solution
- Saline stream is 4 to 13 psi
- Drug and preservative free

# Antimicrobial Cleansers



## McKesson Puracyn® Plus Wound & Skin Care Solution

- An over-the-counter formula intended for use at home, as a synergistic wound care management system
- Contains hypochlorous acid, a known antimicrobial, which serves as a preservative to inhibit the growth of microorganisms within the product
- Non-cytotoxic and non-irritating



## McKesson Puracyn® Plus Professional Formula

- Designed to improve the most essential part of the wound treatment process: preparation of the wound bed
- Provides clinicians with an ideal solution for proper wound bed preparation
- Contains hypochlorous acid, a known antimicrobial, which serves as a preservative to inhibit the growth of microorganisms within the product
- Non-cytotoxic and non-irritating



*General Wound Care  
Product Selection*



# Gauze and Sponges

- Assortment of sizes available in non-woven and woven 100% cotton or poly-rayon blends
- Sterile and non-sterile packaging
- High-absorbency options have fast wicking and greater absorbency



## 100% Cotton

- Appropriate for wound dressing, cleaning, prepping, or packing
- Reduced linting

## Poly-Rayon Blend

- Poly/rayon blend offers excellent absorption with virtually no linting
- High-quality alternative to cotton gauze with greater wicking properties than cotton gauze

# ABD Pads

- Non-woven outer fabric with inner cellulose tissue construction that helps provide maximum moisture barrier
- Sealed edges to help prevent leaking
- Absorption with virtually no linting
- Faster wicking for drier wound sites



# Conforming Stretch Gauze Bandage Rolls

- Polyester design provides elasticity while retaining its shape and reducing slippage
- Breathable and absorbent for added comfort
- Secures and stretches to conform to the body's contours.
- Finished edges to help prevent unraveling
- Needs minimal taping for ease of use
- Low-linting formulation helps minimize the risk of fibers being left behind in the wound bed



# Fluff Bandage Rolls

- 100% cotton
- Crinkled cotton pattern adds loft and bulk for added cushioning and wound protection
- Fast-wicking and absorbent
- Conformable
- Use as a primary or secondary dressing
- Comparable to Kerlix™ gauze bandage rolls



# Cohesive Bandages

- Ideal for holding dressings in place without use of adhesives
- Provides light compression and soft tissue support for minor strains and sprains
- Easily conforms to the body's natural contours and movements
- Self-adhering; no need for fasteners or clips
- Compare to COBAN<sup>™</sup>



## Indications

- Ideal as a means of compression to staunch bleeding, as a support to affix an IV, or for light compression for minor strains and sprains
- Intended for use on delicate or traumatized skin when tape cannot be used

## Contraindications

- Some options contain natural rubber latex, which may cause allergic reactions

# Petrolatum and Xeroform Dressings



## Petrolatum Gauze

- Non-adhering occlusive dressing consisting of fine-mesh absorbent gauze impregnated with white petrolatum
- Primary dressing for wounds with light or no exudate
- Helps maintain a moist wound healing environment



## Xeroform Petrolatum Dressings

- Contains 3% Bismuth Tribromophenate to provide bacteriostatic properties and help to reduce risk of infection and deodorize the wound
- Primary dressing for wounds with light or no exudate
- Helps maintain a moist wound healing environment
- Indicated for open wounds, cancer resections, burns, donor sites and surgical incisions



# Tapes – Specialty



## Silicone Adhesive Tape

- Removes cleanly without disrupting fragile skin layers or causing patients undue pain
- Silicone adhesive offers reliable and pliable fixation
- Gentle, repositionable tape maintains effectiveness when repeated taping is necessary
- Ideal for patients with sensitive, compromised or at-risk skin



## Perforated Cloth Tape

- Breathable, spun-lace, non-woven, soft cloth surgical tape
- Flexible design helps maintain shape to enhance security and accommodate swelling
- 2-inch perforations for easy tearing
- Bidirectional tear for convenient sizing



## Dressing Retention Tape

- Retention tapes are used to secure dressings for a conformable fit that is built for patient comfort
- Breathable, wear resistant fabric
- Conformable to body contours
- Grid guidelines help facilitate easy measurement
- Released backing



*Advanced Wound Care  
Product Selection*



# Calcium Alginate Dressings

- Primary dressing that can be cut to fit wounds with moderate to heavy exudate
- Can be used to fill or pack dead space in a wound
- Optimal gelling profile allows dressing to avoid sticking to the wound bed and allow removal in one piece
- Also available with antimicrobial silver to protect from bacterial colonization



## Indications

- Wounds with moderate to heavy exudate
- May help absorb minor bleeding
- Silver provides effective barrier to bacterial penetration

## Contraindications

- Patients with a known hypersensitivity to the product itself or its ingredients
- Silver should not be used third degree burns, heavy bleeding, or products that create an ionic exchange

# Gelling Fiber Dressings

- Sterile dressing comprising of an absorbent non-woven fiber sheet or rope composed of carboxymethylcellulose (CMC) and a high G (guluronic acid) calcium alginate
- Soft and conformable, highly absorbent and high gelling
- A reinforcement layer allows intact application and removal of the dressing with low risk of maceration



## Indications

- Can be used in the management of moderate to heavily exuding chronic and acute wounds, including: pressure ulcers/injuries, venous and arterial leg ulcers, diabetic ulcers, graft and donor sites, post-operative surgical wounds, superficial and partial thickness burns, and cavity wounds

## Contraindications

- Patients with a known sensitivity to the dressing or its components: alginates, carboxymethylcellulose (CMC), or nylon. Not for surgical implantation.

# Collagen Dressings

- Advanced, topically-applied wound dressing transforms into a cool, soothing gel upon contact with exudates
- Made from fish-derived collagen, sodium alginate, carboxymethylcellulose (CMC) and ethylenediaminetetraacetic acid (EDTA)
- Alginate and CMC allow dressing to absorb wound drainage, while maintaining an optimal moisture balance to aid in the formation of granulation tissue and epithelialization

## Indications

- Full and partial thickness wounds including: pressure injuries, diabetic ulcers, ulcers caused by mixed vascular aetiologies, venous ulcers, donor and graft sites, abrasions, traumatic wounds healing by secondary intention, dehisced surgical wounds, first and second-degree burns.

## Contraindications

- Patients with a known hypersensitivity to the product itself or its ingredients



# Collagen Powder

- Powder dressing made from 100% bovine Type 1 collagen – no chemicals added in the manufacturing process
- It maintains a moist wound environment at the wound surface to help promote healing
- Topically applied and forms a biodegradable gel and settles into contact with all areas of the wound as exudate is absorbed
- Application of powder conforms easily to a wound without having to cut and size a sheet dressing



## Indications

- Partial and full thickness wounds including pressure (stage I-IV) and venous ulcers, ulcers caused by mixed vascular etiologies, venous stasis and diabetic ulcers, first and second degree burns, cuts, abrasions, and surgical wounds

## Contraindications

- Patients with a known allergy or sensitivity to animal-derived collagen, any other ingredient, or on third-degree burns. This product has not been studied in pediatric populations and is intended only for use in adult patients.

# Silicone Wound Contact Layers

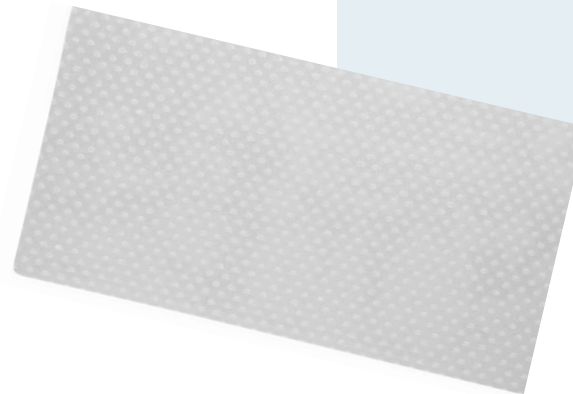
- Versatile primary dressing can be used on a variety of different wounds when used with a secondary dressing
- Open perforated structure allows exudate to pass vertically into the outer absorbent dressing and enables easy delivery of topical treatments
- Prevents an outer dressing from sticking to the wound and peri-wound area
- Can be used as a protective layer on superficial wounds that are not discharging and on areas of skin that are very fragile

## Indications

- Can be used on many different wounds including skin tears, abrasions, blistering, lacerations, surgical wounds, partial thickness burns, and leg and foot ulcers

## Contraindications

- Patients with a known allergy or sensitivity to silicone or on third-degree burns.
- Not for surgical implantation.



# Oil Emulsion Dressings

- Made of high-porosity gauze impregnated with U.S.P. Petrolatum
- Open mesh fabric prevents the pooling of fluid by draining exudate away from the wound site
- Provides a moist environment conducive to wound healing
- Non-adherent to maximize comfort during dressing change or removal
- Compare to Adaptic™



# Island Dressings

- Excellent alternative to gauze and tape
- Offers the convenience of an all-in-one dressing by combining an absorbent non-adherent central pad surrounded by a breathable adhesive border



## Indications

- Primary or secondary dressing.

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components.



# Barrier Island Dressings

- Primary or secondary bordered non-adherent gauze composite dressing with film backing that protects from outside contamination
- Water resistant film layer protects the wound from contamination and acts as an effective barrier to permit showering and bathing
- Offers the convenience of an all-in-one dressing by combining an absorbent non-adherent central pad surrounded by a breathable adhesive border, with an addition of a polyurethane film barrier
- Effective water barrier to permit showering



## Indications

- As a primary or secondary dressing, provides an effective barrier to outside contaminants and allows for showering with dressing in place.

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components.

# Transparent Film Dressings

- Provides a moist environment for granulating or superficial wounds
- Thin and water-resistant, and water, bacteria or other contaminants cannot penetrate the dressing
- Transparent film allows site to be visually monitored



## Indications

- Protect wounds and IV catheter sites, helps maintain a moist wound surface to assist in autolytic debridement, maintain a moist environment for wound healing and as a secondary dressing.

## Contraindications

- Patients with a known hypersensitivity to the product itself or its ingredients

# Silicone Foam Dressings

- Perforated silicone gel adhesive provides gentle but firm adhesion
- Soft silicone minimizes pain and trauma to wounds upon removal
- Seals the wound margins to help prevent exudate from leaking on surrounding tissue
- Breathable, yet moisture and bacteria resistant outer film layer
- Absorbent inner hydrocellular foam pad maintains a moist wound environment to help promote healing
- Dressing may be lifted and repositioned without losing its adherent properties



## Indications

- Wide range of acute and chronic wounds like venous leg ulcers, pressure injuries, diabetic ulcers and traumatic wounds.

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components.

# Non-adhesive and Acrylic Adhesive Foam Dressings

- Highly absorbent central hydrocellular foam layer effectively absorbs wound drainage
- Helps maintain a moist healing environment at the wound surface
- Breathable, yet moisture and bacteria resistant outer film layer in adhesive and film-backed versions
- Non-adhesive version should be covered with an appropriate secondary dressing



## Indications

- Wide range of acute and chronic wounds like venous leg ulcers, pressure injuries, diabetic ulcers and traumatic wounds.

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components.

# Antibacterial Foam Dressings with PHMB

- Sterile wound dressing impregnated with polyhexamethylene biguanide (PHMB) which kills and inhibits the growth of bacteria
- Constructed of waterproof polyurethane bacterial barrier film, hydrophilic PHMB polyurethane foam pad, and perforated wound contact layer. Adhesive options available.
- In-vitro testing demonstrated dressings to be effective against the following three gram positive bacteria, three gram negative bacteria, and two yeast challenge organisms within the dressing: MRSA, MRSE, VRE, Escherichia coli, Klebsiella pneumoniae, Pseudomonas aeruginosa, Candida albicans, and Rhodotorula mucilaginosa
- Semi-occlusive, allowing the exchange of gases such as oxygen and water vapor

## Indications

- Temporary management of post-surgical incisions, pressure sores, venous stasis ulcers, diabetic ulcers, donor sites, abrasions, lacerations, first and second-degree burns, dermatologic disorders, other wounds inflicted by trauma, and as a secondary dressing or cover dressing for packed wounds

## Contraindications

- Not intended as a treatment for infections or third-degree burns. Do not use on patients with known sensitivity to any components of the dressing. Do not use with oxidizing solutions such as hypochlorite or hydrogen peroxide, as these can break down the absorbent polyurethane component of the dressing and can also break down the PHMB



# Super Absorbent Dressings

- Super absorbent polymers bind fluid and convert it to a gel
- Locks fluid inside the dressing, helping to decrease the risk of maceration and keep the harmful wound fluid components away from the wound and peri-wound skin
- Contains protective outer layer and non-adherent wound contact layer for easy removal



before adding fluid



after adding fluid, under compression

## Indications

- Primary or secondary dressing for partial thickness or full thickness wounds.
- Use when there is moderate to large amounts of drainage
- Excellent dressing for use under compression

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components, including the sodium polyacrylate superabsorbent polymer.
- Not for use in tunneling wound pockets as the dressing can expand considerably when wound exudates are absorbed.
- Not for use on wounds with little to no exudates, as this may cause drying out of the wound.

# Hydrophilic Dressing

- Formulated with a patented zinc-nutrient formulation, and along with its balanced pH technology, provides a moist, mildly acidic environment conducive to wound healing
- Can be applied directly to the wound bed and provides filler for the wounds
- Cover with appropriate secondary dressing



## Indications

- Pressure injuries Stages 1-4, surgical incisions, tissue trauma, partial thickness wounds, thermal burns, diabetic and venous stasis ulcers

## Contraindications

- Patients with a known hypersensitivity to the product itself or its ingredients
- Silver should not be used third degree burns, heavy bleeding, or products that create an ionic exchange



# Honey Dressings

- MEDIHONEY® is a medical-grade honey derived from the pollen and nectar of a specific *Leptospermum* species of tea tree in New Zealand and Australia. It can be used for wound bed preparation and has demonstrated efficacy from the start of wound treatment through to closure.
- Assists in maintaining a moist environment for optimal wound healing, aids in autolytic debridement, and can be removed without causing trauma to the wound

## Indications

- Moderate to heavily exuding wounds such as: diabetic foot ulcers, leg ulcers (venous stasis ulcers, arterial ulcers and leg ulcers of mixed etiology), pressure injuries (partial and full thickness), first and second-degree partial thickness burns, donor sites, and traumatic and surgical wounds.

## Contraindications

- Third-degree burns and patients with a known sensitivity to alginates or honey.



# Honey Dressings (Con't.)



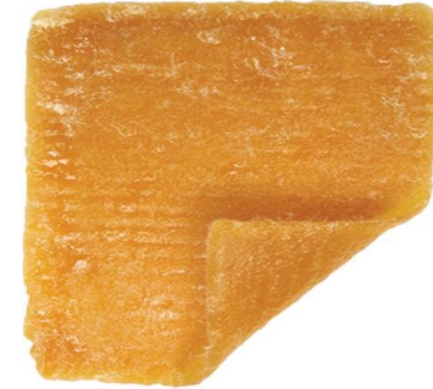
## Gel

- Moist dressing made of 80% *Active Leptospermum Honey* in combination with natural gelling agents.
- Provides increased stability at the site of the wound due to its natural gelling agents
- Provides moist wound environment conducive to wound healing



## Paste

- Moist dressing made of 100% *Active Leptospermum Honey*
- Assists in maintaining a moist environment for optimal wound healing, aids in autolytic debridement, and can be removed without causing trauma to the wound



## Alginate

- Absorbent primary wound dressing made of *Active Leptospermum Honey* impregnated into a calcium alginate pad
- As exudate is absorbed, the alginate forms a gel, which assists in maintaining a moist environment for optimal wound healing

# Honey Dressings (Con't.)



## Honeycolloid™

- Absorbent wound dressing for light to moderately draining wounds made of *Active Leptospermum Honey* in combination with a hydrocolloidal gelling agent
- Assists in maintaining a moist environment for optimal wound healing, aids in autolytic debridement, and can be removed without causing trauma to the wound
- The honeycolloid pad will form a gel as it warms up with body temperature and as it comes into contact with wound fluid



## Hydrogel Colloidal Sheet

- Moist wound dressing made of *Active Leptospermum Honey* in combination with a hydrogel colloidal gelling agent.
- As exudate is absorbed, the dressing forms a gel
- Indicated for wounds with light to no exudate. Maintains a moist wound environment, aids in autolytic debridement and allows for non-traumatic removal.



# Hydrogel Dressings

- Primary dressing that adds or maintains moisture at the wound bed for wounds with light or no exudate
- Helps maintain a moist wound healing environment to assist in autolytic debridement
- To protect peri-wound skin from maceration, apply a moisture barrier ointment or barrier film



## Indications

- Provide moist wound healing environment and help promote autolytic debridement.

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components.



# Puracyn Plus Antimicrobial Hydrogel Dressing

- Designed to adhere to the wound bed for prolonged exposure to hypochlorous technology
- Puracyn Plus Antimicrobial Hydrogel is 510(k) indicated for moistening the wound bed and facilitates autolytic debridement



## Indications

- Provide moist wound healing environment and help promote autolytic debridement.
- Won't harm healthy tissues
- Contains hypochlorous acid, a known antimicrobial

## Contraindications

- Patients with a known hypersensitivity to the product itself or to its components.

# Hydrocolloid Dressings

- Primary or secondary dressing for wounds with light to moderate exudate
- Pliable, absorbent, and waterproof wound dressings that can provide an effective barrier to microorganisms
- Hydrocolloid layer reacts with cellular material from the wound to form a gel like covering to help maintain a moist wound environment
- Moisture resistant outer barrier film helps prevent urine, feces and/or moisture from penetrating the dressing reducing the risk of contamination to the wound



## Indications

- Management of partial and full thickness wounds such as leg ulcers and pressure injuries. Help maintain a moist wound healing environment to assist in autolytic debridement and protect the wound from external contamination.

## Contraindications

- Patients with known hypersensitivities to the components of the dressing or third-degree burns. Conditions that lead to the formation of the wound (pressure, venous insufficiency, etc.) must be considered and addressed as part of the total wound care treatment plan.



# Compression Bandages



## Four Layer

- A superior bandaging system for optimum compression and absorbency in the management of venous leg ulcers and related conditions
- Composed of four bandages that work together, providing effective sustained compression for up to seven days when applied as directed



## Two Layer

- Layer One—Comfort Padding Bandage is pleasantly soft and absorbent and used to provide even, inner padding. It absorbs exudate and redistributes pressure to aid in the management of venous insufficiencies
- Layer Two—Cohesive Compression Bandage that has been designed to provide the necessary residual pressure. It provides compression and helps keep the bandage in place

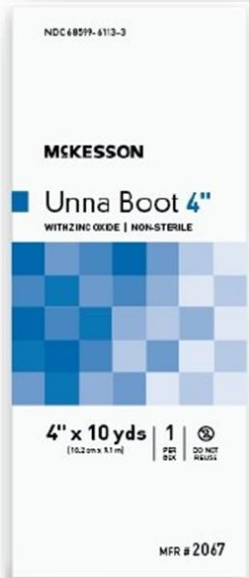


## Elastic Tubular Bandage

- Provides sustained compression and support for: strains and sprains, soft tissue injuries, support following cast removal, general edema, post-graft pressure for burn patients and rib cage injuries
- Adjusts to the contours of the body and helps distribute pressure evenly over the surface
- Full range of sizes to suit most applications

# Unna Boots

- Gauze bandage evenly impregnated with a non-hardening paste of zinc oxide or zinc oxide with calamine to provide venous ulcer compression therapy
- Stays moist to encourage healing
- Non-raveling, thread-locked gauze helps prevent loose threads that can contaminate wounds
- Cohesive bandage typically applied over the zinc oxide paste bandage



## Indications

- Venous ulcer compression therapy in actively ambulatory patients
- Calamine dries the oozing and weeping of poison ivy, poison oak, or poison sumac.

## Contraindications

- Patients with known hypersensitivities to the components of the dressing
- Not intended for ambulatory patients

# Moisture Wicking Fabric with Antimicrobial Silver

- Non-sterile skin protectant which is made of a stretch polyester fiber impregnated with antimicrobial metallic silver
- Designed to provide moisture transportation to keep skin dry whilst reducing odor
- Reduces colonization of bacteria and yeasts such as *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Pseudomonas aeruginosa* and *Candida albicans* within the fabric
- Acts as a lubrication aid thereby reducing skin-to-skin friction and provides a protective environment for the skin.



## Indications

- Management of skin folds and other skin-on-skin contact areas

## Contraindications

- Should not be placed directly onto an open wound or breached skin.
- Do not use on individuals with known sensitivity to polyester, nylon and silver.



# Wound Closure



## Skin Closure Strips

- Ideal for closing small cuts and wounds
- Unique microporous construction is designed to permit skin ventilation and prevent maceration
- Easy to apply and comfortable to wear
- Flexible nonwoven polyamide material conforms to the skin
- Skin-friendly adhesive



## LIQUIBAND® Topical Adhesive

- Indicated for the closure of topical skin incisions including laparoscopic incisions, and trauma-induced lacerations in areas of low skin tension that are simple, thoroughly cleansed, and have easily approximated edges
- Saves time—no dressings; no suture/staple removal
- Antibacterial film helps protect the wound
- May be used in conjunction with but not in place of deep dermal stitches

**Thank You!**