

Hywel Dda University Health Board

WOUND DRESSING FORMULARY

The aim of the formulary is to aid all Health Care Professionals (in both primary, community and secondary care) who care and treat patients with wounds and tissue viability problems in selecting the most appropriate dressings and bandages.

Having a wound dressing formulary means only clinically proven treatments are used, rather than an ad-hoc dressing selection.

Having a wound dressing formulary can save time in decision making and also aid continuity, because whenever a different member of staff deals with a dressing change, the same regime is used.

Rationalisation ensures only proven cost-effective products are used. Wound dressings are often designed to be complementary and an appropriate selection of dressings can help the healing process.

Dressings alone do not heal wounds accurate assessment and appropriate management does this

GUIDELINES FOR THE USE OF THE FORMULARY

- Check wound type prior to dressing selection.
- If in doubt of wound type, please refer to the Wound Care guidelines, seek advice from the Tissue Viability Team or ask the Pharmacist.
- All wounds must be assessed and monitored as per UHB guidelines and recorded using the wound assessment documentation.
- Check the patient for any allergies or intolerance to any of the dressings or components within the dressings
- Dressings are categorised into FIRST, SECOND and Specialist use only. Second line dressings only to be used after first line have been tried and found not to be suitable. Specialist use dressings require support and approval from Community /hospital TVN or specialist podiatrist
- Follow the companies' guidelines on dressing application. If in doubt, ask the Tissue Viability Team or Pharmacy for advice.
- Re-assess the wound and change the dressing selection as the wound type indicates.
- In-patient discharge plan needs to be timely. One weeks' worth of dressings to be sent with the patient. A copy of the wound assessment documentation needs to be sent with the discharge documentation.
- If the Patient needs a dressing from outside the formulary, fill in the Additional Dressing Document and state rational. Send to the Tissue Viability Department.
- Any new dressing to be used within the Acute and Community divisions an evaluation will be organised by the Tissue Viability Service.
- Prices on formulary may be subject to alteration

Wound Cleansing Solutions

- Wound Cleansing agents are solutions that are used to cleanse wounds prior to the application of a dressing.
- Wound should only be cleaned when necessary, clean granulating wound do not require cleaning
- If appropriate such as with chronic wounds, tap water may be used to cleanse the area
- If a sterile solution is required, then sodium chloride is the only agent suitable for this
- All solutions should be warmed prior to its use to maintain the surface temperature of the wound
- The wound should be irrigated and not wiped during the procedure
- Most wound care experts now agree that routine use of antiseptic solutions have little or no place in wound management
- Antiseptics, particularly those, which contain cetrimide, have marked cytotoxic properties and therefore should be avoided, unless the wound is contaminated or shows clear evidence of infection.

| Formulary Choice | Size | WP10 Price | Treatment Advice |
|--|-----------------|------------|---|
| Tap water | | N/A | Always warmed Bucket should be lined each use. and dried thoroughly after use. |
| Sodium chloride Sal-e Pods (Ennogen) | 20ml pods | £4.80 | Irrigate the wound, do not wipe the wound bed NB when ordering via Vision in primary care found under sodium chloride Sal-e |
| Sterile sodium chloride 0.9% solution Stericlens (CD Medical) | 240ml spray can | £3.15 | For topical irrigation |
| Sterile sodium chloride 0.9% solution in a spray | | | |

| ABSORBENT PADS LOW ADHERENT | | | |
|--|--|---|---|
| Indications for use | | Contra- indications | |
| <ul style="list-style-type: none"> To dress dry or sutured wounds, superficial cuts and abrasions To manage light exudate levels | | <ul style="list-style-type: none"> Should not be used on highly exuding wounds as this could result in maceration of the wound bed Should not be used on necrotic or sloughy wounds Surface is low adherence rather than non-adherence, therefore may stick to wound bed | |
| Formulary Choice Advice | Size | WP10 Price | Treatment |
| AbsoPad (Medicareplus International) (Hospital & Community direct supply) | Hospital and direct delivery 5 x 5cm 7.5 x10cm 7.5 x 20cm | N/A | Laminated on one side only . Laminated side to wound bed Can adhere to wound surface, irrigate off if necessary. Requires securing |
| AbsoPad (Medicareplus International) | Community 5 x 5cm 10 x 10cm 20x 10cm | £0.07 £0.13 £0.28 | |
| Cutiplast Steril (Smith & Nephew) Low adherent dressing with adhesive border | 5 x 7.2cm 8 x 10cm 8 x 15cm 10 x 20cm 10 x 25cm | £0.05 £0.11 £0.25 £0.31 £0.32 | Do not use on fragile and delicate skin as adhesive border can cause trauma on removal |

| ABSORBENT DRESSINGS | | | |
|---|--|----------------------------------|---|
| Highly absorbent cellulose pad with fluid repelling backing Available in sterile and non-sterile packs | | | |
| Indications for use | | Contra- indications | |
| To manage high exudate levels | | | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| PremierPad non-sterile (Shermond) (Community direct supply) Non-Sterile absorbent dressing pad | 10 x 20cm 20 x 20cm | N/A | Non sterile pads |
| PremierPad sterile (Shermond) (Hospital & Community direct supply) Sterile absorbent dressing pad | 10 x 10cm 10 x 20cm 20 x 20cm 20 x 40cm | N/A | Consider reasons for high exudate such as infection. Protect surrounding skin with emollient if exudate high |
| Zetuvit E (Hartmann) (Community) Sterile absorbent cellulose pad with fluid repellent backing | 10 x 10cm 10 x 20cm 20 x 20cm 20 x 40cm | £0.22 £0.25 £0.40 £1.11 | Consider reasons for high exudate such as infection. Protect surrounding skin with emollient if exudate high |
| Zetuvit E (Hartmann) (Community) Non sterile absorbent cellulose pad with fluid repellent backing | 10 x 10cm 10 x 20cm 20 x 20cm 20 x 40cm | £0,07 £0.09 £0.15 £0.28 | Non sterile pads |

| NON- ADHERENT DRESSINGS | | | |
|---|---|----------------------------------|---|
| Apply Directly to wound bed Requires secondary dressing or bandage to retain in place | | | |
| Indications for use | | Contra- indications | |
| <ul style="list-style-type: none"> To dress dry or sutured wounds, superficial cuts and abrasions To manage light exudate levels To be used as wound bed liners for topical negative pressure therapy and capillary action dressings | | | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Atrauman (Hartmann) Knitted Polyester Dressing impregnated with Neutral triglycerides. Fatty triglycerides give soothing feel to the dressing, without maceration of the surrounding tissue | 5 x 5 cm 7.5 x 10 cm 10 x 20 cm 20 x 30 cm | £0.34 £0.35 £0.80 £2.20 | 1mm pore size, reduce damage to new tissue growth on removal secondary dressing will depend on amount of wound exudate Largest size cost effective if three or more 10 x 20 cm dressings required |
| (2nd Line) ActivHeal (Advanced Medical Solutions) Silicone wound Contact Layer | 5 x 7.5cm 10 x 10cm 10 x 20cm 15 x 15cm | £0.89 £2.09 £3.97 £3.81 | For patients/children with fragile, vulnerable skin Will require secondary dressing |

SEMI- PERMEABLE ADHESIVE FILM DRESSING

Allow passage of water vapour and oxygen but not water and micro-organisms
 Waterproof and impermeable to bacteria
 Comfortable and convenient
 Allow observation of the wound

Indications for use

- Clean granulating /epithelialising wounds
- Superficial wounds such as post operative wounds, pressure ulcers and minor injuries
- Can be used to protect skin at risk from friction or maceration
- Can be used to retain primary dressing

Contra- indications

- Deep wounds
- Heavily exuding wounds
- Infected wounds
- Can damage fragile skin on removal if not careful
- Fluid accumulation can cause maceration under the dressing

Formulary Choice

Size

WP10 Price

Treatment Advice

365 Film (365 Healthcare Ltd)
(Hospital & Community direct supply)

4 x 5cm
 6 x 7cm
 10 x 12cm
 15 x 20cm

£0.04
 £0.07
 £0.16
 £0.38

Film dressings are useful tools for measuring wound size
 Do not stretch the film over the required area as this may cause blistering

Mepore film (Molnlycke Healthcare)
(Hospital & Community direct supply)

10 x 25cm
 20 x 30cm

£2.44
 £3.06

SEMI PERMEABLE ADHESIVE FILM DRESSING WITH ABSORBANT PAD

Allow passage of water vapour and oxygen but not water and micro-organisms
Provides a moist wound environment

Indications for use

- Clean granulating /epithelialising wounds
- Superficial wounds such as post operative wounds, pressure ulcers and minor injuries

Contra- indications

- Deep wounds
- Heavily exuding wounds
- Infected wounds
- Can damage fragile skin on removal if not careful

Formulary Choice

Size

WP10 Price

Treatment Advice

365 transparent Island (365 healthcare)
(Hospital & Community direct supply)

5 x 7.2cm
8.5 x 15.5cm
10 x 12cm
10 x 25cm
30 x 10cm

£0.05
£0.15
£0.14
£0.26
£0.27

Useful for slightly exuding superficial wounds eg. Post operative or post biopsy

| HYDROGEL DRESSING | | | |
|---|--|---|---|
| Amorphous cohesive material that takes the shape of the wound Re-hydrates necrotic tissue and encourages autolytic debridement Requires a secondary dressing Compatible with larvae | | | |
| Indications for use | | Contra- indications | |
| <ul style="list-style-type: none"> • Sloughy and necrotic wounds • Light to moderate exudate levels • Gels can be a means of delivering medicines if advised • All stages of wound healing <p>Do not Re-hydrate dry eschar on feet /heels without advice</p> | | <ul style="list-style-type: none"> • Heavily exuding wounds • Suspected presence of infection • Active haemostasis | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Purilon Gel (Coloplast) | 8gms (<i>Hospital & Community direct supply</i>) | £1.79 | Use a secondary dressing to retain moisture |
| Amorphous cohesive material | 15gms | £2.33 | |

HYDROGEL SHEET DRESSING

Non-Adhesive, high water content hydrogel sheet formed around a supporting blue polyethylene matrix
 Provides a moist environment at the surface of the wound
 Permeable to water vapour, gases and small protein molecules, but impermeable to bacteria
 Rehydrates dry, devitalised tissue and encourages autolysis
 Absorbs large amounts of exudate, turning “lumpy” and opaque
 Sheet dressing can be used for burns, scalds and radiation therapy damage
 Needs to be secured with tape, a secondary dressing or a bandage

Indications for use

- Painful Wounds
- Sloughy and necrotic wounds
- Lightly to heavily exuding wounds
- All stages of wound healing
- Under compression if this is indicated on lightly exuding wounds

Contra- indications

- Sheet dressing should not be used for covering deep, narrow cavities or sinuses
- Actively bleeding wounds

Formulary Choice

Size

WP10 Price

Treatment Advice

Hydrosorb (Paul Hartmann)

5 x 7.5cm
10 x 10cm

£1.60
£2.29

Two sided clear transparent hydrogel formed around a supporting matrix

Increased odour may result as bacteria are drawn into the dressing. If this occurs, increase dressing changes until odour subsides
 Secure with appropriate secondary dressing or bandage

| HYDROCOLLOID DRESSING | | | |
|--|---------------------------------------|--|---|
| <ul style="list-style-type: none"> • A Flexible adhesive sheet dressing • Forms a gel in the presence of wound exudate a hypoxic • Waterproof to allow for showering • Dressings can be left in place for up to seven days debridement | | Impermeable to Bacteria Encourages new blood vessel formation by creating Rehydrate dead tissue and encourage autolytic | |
| Indications for use | | Contra- indications | |
| <ul style="list-style-type: none"> • Sloughy and necrotic wounds • Granulating wounds • Light to moderate exudate levels | | <ul style="list-style-type: none"> • Heavily exuding wounds • Suspected presence of infection • Caution to be exercised for use with diabetic foot ulcers, not generally recommended | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Granuflex (Non bordered) (Convatec) | 10 x 10cm 15 x 15cm | £2.90 £5.51 | Dressings should cover wound with at least 2 cm overlap Dressings can remain in place for up to seven days, depending on exudate level Patients can shower with dressing in place |
| Granuflex Bordered (Convatec) | 6 x 6cm 10 x10cm (WP10 only) | £1.83 £3.46 | |
| DuoDERM Extra thin (Convatec) | 7.5 x 7.5cm 10 x 10cm 15 x 15cm | £0.83 £1.37 £2.96 | |

NON WOVEN GELLING FIBRE

Sodium carboxymethylcellulose spun into a fibre
 As the fibres absorb exudate they form a gel sheet
 The fibres are absorbent and retain moderate to large amounts of exudate
 Gel retains its integrity on dressing removal
 Requires a secondary dressing
 Change dressings daily if wound infected

Indications for use

- All types of moderate to heavily exuding wounds
- Ribbon dressing to pack cavities
- Formation of the gel encourages autolytic debridement

Contra- indications

- Dry wounds with minimal exudate

Formulary Choice

Size

WP10 Price

Treatment Advice

Aquacel Extra

Soft sterile non-woven pad with hydrocolloid fibres

5 x 5 cm
 10 x 10 cm
 15 x 15 cm

£1.04
 £2.48
 £4.66

Dressings can remain in place for up to seven days depending on exudate level

Aquacel Ribbon

Soft sterile non-woven ribbon with hydrocolloid fibres

1 x 45 cm
 2 x 45 cm

£1.91
 £2.54

Loosely pack into cavity, leaving a tail for ease of removal
 Daily or alternate daily dressing depending on exudate level

| ALGINATE DRESSINGS | | | |
|--|------------------------------------|--|---|
| Dressing consists of sodium and calcium salts formed Helps haemostasis in bleeding wounds Manufactured from different seaweed varieties Requires a secondary dressing | | In contact with blood or exudate a hydrophilic gel is formed Formation of the gel promotes autolysis Available in flat pad or rope Change dressings daily if wound infected | |
| Indications for use | | Contra- indications | |
| <ul style="list-style-type: none"> All types of moderate to heavily exuding wounds Rope dressing to pack cavities Bleeding wounds | | <ul style="list-style-type: none"> Dry wounds with minimal exudate | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| (Smith & Nephew) Cutimed Alginate (BSN Medical) Calcium sodium alginate dressing | 5 x 5cm 10 x 10cm 10 x 20cms | £0.77 £1.61 £3.02 | Can be weak when wet and can break up in wound, |
| Cutimed Alginate (BSN Medical) Calcium sodium alginate dressing | 2.5 x 30cm tape | £3.69 | Can be weak when wet and can break up in wound, ensure if multiple ropes needed consider alternative packing material such as Kerlix gauze or aquacel |

| FOAM DRESSINGS | | | |
|--|---|---|---|
| Absorbent dressings that maintain a moist wound environment Low adherent and Conformable Presented in various sizes and shapes to suit areas of the body Available with silicone face to use with very fragile skin | | Can absorb light to moderate exudate Can be used as a primary or secondary dressing Adhesive or non- adhesive dressings available | |
| Indications for use | | Contra- indications | |
| <ul style="list-style-type: none"> All types of low to moderately exuding wounds Dressings can remain in place for up to seven days | | <ul style="list-style-type: none"> Dry wounds with minimal exudate Do not adhere with film dressing as this will restrict water vapour loss | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Non Adherent | | | |
| Allevyn Non-Adhesive Foam Non silicone (Smith & Nephew) | 10 x 10cm 20 x 20cm 9 x 9cm (tracheotomy) | £2.59 £6.95 | Foam dressings may not be the correct choice for very highly exuding wounds . In these instances consider non contact layer with absorbent pads |
| ActivHeal (Advanced Medical Solutions) Silicone Foam Non-border | 7.5 x 7.5cm 10 x 10cm 10 x 20cm | £0.97 £1.43 £2.66 | Silicone faced, for fragile skin will require securing. Do not use tapes on fragile skin consider tubular retention eg. clinifast |
| Adhesive Foam | | | |
| Allevyn Adhesive (Adhesive faced pad)(Smith & Nephew) | 7.5 x 7.5cm 10 x 10cm 12.5 x 12.5cm | £1.55 £2.27 £2.77 | Foam dressings may not be the correct choice for very highly exuding wounds . In these instances consider non contact layer with absorbent pads |
| Absorbent hydro-cellular pad | 17 x 17cm (sacral) | £5.92 | |
| Allevyn Gentle Border (Smith & Nephew) Silicone gel adhesive foam (2nd Line) | 7.5 x 7.5cm 10 x 10cm 15 x 15cm | £1.57 £2.30 £4.16 | This dressing should be used for patients with fragile skin only. As above regarding exudate levels |

CAPILLARY WICKING DRESSING

Three layered polyester filaments and polycotton fibres
Creates a pulling action of interstitial fluid from the wound bed
Encourages autolytic debridement

Indications for use

Highly exuding wounds
Colonised wounds
Fistulas or sinuses

Contra- indications

Arterial bleeds
Vascular fungating wounds
Heavily bleeding wounds

Formulary Choice

Size

WP10 Price

Treatment Advice

Vacutex (Protex)

5 x5cm
10 x 10cm
10 x15cm
10 x 20cm

£0.96
£1.70
£2.29
£2.75

Cut dressing to size of wound bed
Create layers of dressing to fill cavity
Seal with a film or occlusive dressing

ANTIMICROBIAL WOUND DRESSINGS- Iodine Based

The use of topical antibiotics is not justified for the routine treatment of contaminated or locally infected wounds
 An alternative to reduce wound bioburden are the antimicrobial range of **iodine** dressings
 Iodine dressings are potent antimicrobials with broad spectrum and little resistance
 The application of these antimicrobials in a slow release delivery system provides a continuous antimicrobial effect
 Iodine is available as povidone–iodine dressings, solutions, powders and sprays, or Cadexomer polysaccharide starch
 Undertake physical cleansing of the wound to remove debris from the wound bed prior to dressings changes

| Indications for use | | Contra- indications |
|---|--|--|
| Healing no progressing normally due to infection or wound deteriorating. Wound exhibits 2 or more of following characteristics | | History of thyroid disease Known sensitivity Pregnant/ breast feeding Care with very large wounds Caution with renal impairment Patients receiving lithium No more than 150g of iodoflex /iodosorb per week Max duration up to three months in any single course of treatment |
| <ul style="list-style-type: none"> • Change in pain levels • Erythema/redness • Exudate high volumes in conjunction with changes in viscosity& consistency • Friable easily bleeding tissue | <ul style="list-style-type: none"> • Heat • Hypergranulation tissue • Inflammation/swelling/o edema • Malodour • Slough /necrosis | |

| Formulary Choice | Size | WP10 Price | Treatment Advice |
|---|-------------------------------|----------------|---|
| Inadine (KCI/3M) Knitted viscose dressing impregnated with providone - Iodine ointment 10% | 5 cm x 5 cm 9.5 cm x 9.5cm | £0.33 £0.49 | Not appropriate for use in wound with high exudate |
| Iodoflex Cadexomer Iodine 0.9% paste | 5 gms | £4.23 | Renew when saturated. Resembles mashed potato when needing renewal. If larger volume of dressing required consider use of Iodosorb |
| Iodosorb Ointment Cadexomer iodine 0.9% | 10gms | £4.67 | Apply to work surface to depth of approximately 3 mm Resembles mashed potato when needing renewal |

ANTIMICROBIAL WOUND DRESSINGS- Silver Based

The use of topical antibiotics is not justified for the routine treatment of contaminated or locally infected wounds
 An alternative to reduce wound bioburden are the antimicrobial range of **silver dressings**
 Silver acts as a heavy metal by impairing the bacterial electron transport and some DNA functions
 Effective against common pathogenic organisms
 Undertake physical cleansing of the wound to remove debris from the wound bed prior to dressings changes

| Indications for use | | Contra- indications |
|---|--|---|
| Healing no progressing normally due to infection or wound deteriorating Wound exhibits 2 or more of following characteristics | | Do Not Use with patient undergoing radiotherapy Caution if patient having MRI scan Care for patients with renal, hepatic insufficiency Care in pregnancy, lactation, children and neonates Prolonged use or use over a large surface area will warrant review of systemic response to silver Appropriate use of silver dressings to be reviewed after maximum duration of one month Known sensitivity to silver |
| <ul style="list-style-type: none"> Change in pain levels Erythema/redness Exudate high volumes in conjunction with changes in viscosity& consistency Friable easily bleeding tissue | <ul style="list-style-type: none"> Heat Hypergranulation tissue Inflammation/oedema Malodour Slough /necrosis | |

| Formulary Choice | Size | WP10 Price | Treatment Advice |
|--|-----------------------|----------------|--|
| Flamazine cream | 50gms | £3.85 | Apply sparingly onto wound and cover with non-adherent dressing such as Atrauman |
| Silver sulphadiazine 1.0% cream | | | |
| Aquacel Ag+ Extra (Convatec) | 5 x 5cm 10 x 10cm | £2.05 £4.87 | Apply to wounds that are considered to be locally infected Apply for a two-week period only and reassess wound. |
| Non woven silver impregnated hydrofibre(Specialist use) | | | |
| Aquacel Ag+ | 1 x 45cm 2 x 45 cm | £3.14 £4.80 | Apply to wounds that are considered to be locally infected Apply for a two-week period only and reassess wound. |
| Silver Ribbon Dressing (Convatec) (Specialist use) | | | |

ANTIMICROBIAL WOUND DRESSINGS- Honey

The use of topical antibiotics is not justified for the routine treatment of contaminated or locally infected wounds
 An alternative to reduce wound bioburden are the antimicrobial range of **honey dressings**
 Honey products from *Leptospermum sp.* use their antibacterial action to protect wounds from infection
 Honey will help to debride wounds and reduce odour
 Undertake physical cleansing of the wound to remove debris from the wound bed prior to dressings changes

| Indications for use | Contra- indications/Cautions | | |
|--|---|---|---|
| <p>Healing no progressing normally due to infection or wound deteriorating Wound exhibits 2 or more of following characteristics</p> <table border="1"> <tr> <td> <ul style="list-style-type: none"> • Change in pain levels • Erythema/redness • Exudate high volumes in conjunction with changes in viscosity& consistency • Friable easily bleeding tissue </td><td> <ul style="list-style-type: none"> • Heat • Hypergranulation tissue • Inflammation/ oedema • Malodour • Slough /necrosis </td></tr> </table> | <ul style="list-style-type: none"> • Change in pain levels • Erythema/redness • Exudate high volumes in conjunction with changes in viscosity& consistency • Friable easily bleeding tissue | <ul style="list-style-type: none"> • Heat • Hypergranulation tissue • Inflammation/ oedema • Malodour • Slough /necrosis | <p>Do Not Use with patients who have had an allergic reaction to honey or bee stings or bee products Some patients may experience pain from honey dressings, which will subside with time No record of increased blood sugars in patients with diabetes</p> |
| <ul style="list-style-type: none"> • Change in pain levels • Erythema/redness • Exudate high volumes in conjunction with changes in viscosity& consistency • Friable easily bleeding tissue | <ul style="list-style-type: none"> • Heat • Hypergranulation tissue • Inflammation/ oedema • Malodour • Slough /necrosis | | |

| Formulary Choice | Size | WP10 Price | Treatment Advice |
|---|---------------------------------|-------------------------|---|
| MediHoney Antibacterial medical Honey Tube(Derma Sciences) | 20gms | £4.03 | Apply to wound on simple dressing, with secondary padding depending on exudate level |
| ManukaDress IG (Medicare plus) Tulle Dressing (2 nd Line) | 5 x 5cm 10 x10cm | £1.70 £2.80 | Apply with secondary absorbent pad |
| Medihoney Apinate (Derma Sciences) (2 nd Line) | 5 x 5cm 10 x10cm 2 x 30cm | £2.01 £3.42 £4.23 | Honey and alginate combination Use secondary pad to avoid maceration of surrounding tissue |
| Alginate sheet impregnated with honey | | | |

| ANTIMICROBIAL WOUND DRESSINGS- PHMB (Polyhexamethylene Biguanide) | | | |
|--|--|---|--|
| This compound has been used as a general disinfectant by the food industry It is use to reduce wound bioburden. They are available in several formats with varying strengths of the compound | | | |
| Indications for use | | Contra-indications Cautions for use | |
| Healing no progressing normally due to infection or wound deteriorating Wound exhibits 2 or more of following characteristics | | Known sensitivity to PHMB Do not use as a primary treatment on full third degree burns | |
| <ul style="list-style-type: none">• Change in pain levels• Erythema/redness• Exudate high volumes in conjunction with changes in viscosity& consistency• Friable easily bleeding tissue | <ul style="list-style-type: none">• Heat• Hypergranulation tissue• Inflammation/oedema• Malodour• Slough /necrosis | | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Prontosan Wound Irrigation Solution (B Braun) (Specialist use) NOT FOR INTRAVENOUS USE | 350 ml bottle | £4.96 | Use to irrigate wounds, can be applied to gauze or irrigated into cavities. Leave in place for 10 mins then dress wound as normal |
| Prontosan Wound Gel (B Braun) (Specialist use) | 30ml | £6.55 | Can be applied and a secondary dressing such as aquacel to retain the gel in place |
| Kendal AMD Antimicrobial non adherent foam dressing (H&R Healthcare) (Specialist use) | 5 x 5cm 10 x 10cm | £2.53 £4.76 | Can be used on colonised wounds with moderate exudate. Will adhere to wounds with low exudate. Double sided |
| Kerlix AMD Antimicrobial Super sponges (gauze squares and bandages) (H&R Healthcare) | 15.2 x 17.1 cm (2 pack) | £0.71 | Useful to use as primary dressing but may adhere to wound bed if wound too dry. Mild antibacterial benefit Useful to pack cavities |
| | 11.4 x 3.7cm | £1.62 | |

| SUPERABSORBENT DRESSINGS | | | |
|---|--|--|---|
| Absorbent dressings consist of an absorbent material designed to improve performance beyond gauze. | | | |
| Indications for use | | Contra- indications | |
| Second line choice if Zetuvit E not containing exudate Reduces need for dressing change Prevent excoriation of surrounding skin | | Known sensitivity to any components Dry or lightly exuding wounds Avoid applications to bleeding wounds, exposed tendons, mucous membranes or eyes Do not use in wound cavity in case dressing swells | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Zetuvit Plus (Hartmann) Dressing contains blend of cellulose and fluid retaining particles | 10 x 20cm 20 x 25cm 20 x 40cm | £1.16 £1.82 £2.81 | Consider reasons for high exudate such as infection. Protect surrounding skin with emollient if exudate high A thicker pulp based absorbent dressing Can be used under compression Return to standard absorbent dressings as soon as exudate is managed |
| KerraMaxCare (3m&KCI Medical) (2 nd Line) Superabsorbent dressing Slim line and conformable | 10 x 22 20 x 22 20 x 30 20 x 50 | £1.71 £3.02 £3.45 £4.61 | Can be used as a primary and secondary dressing. Can be used under compression Slim-line construction Return to standard absorbents as soon as exudate is managed |

| TYPE 1: LIGHTWEIGHT CONFORMING STRETCH BANDAGES | | | |
|---|--|----------------------------------|---|
| These bandages have a simple dressing retention function High degree of elasticity but with little power | | | |
| Indications for use | | Contra- indications | |
| To retain a dressing close to the wound Does not inhibit movement Does not restrict blood flow | | | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Aeroform (Aero healthcare) <i>Hospital & Community direct supply</i> | 5 cm 7 cm All x 4 metres 10 cm 15 cm | N/A | 10 cm size should be minimal size used for the lower limb For fragile skin consider wool padding layer first |
| Knit-Band (CliniSupplies) <i>Community</i> Lightweight knitted bandage | 5 cm 7 cm All x 4 metres 10 cm 15 cm | £0.10 £0.16 £0.18 £0.31 | Loose weave bandage, not advised on larger areas such as legs and arms, in these instances use a crepe or similar weave bandage |

| SUB-COMPRESSION WADDING BANDAGE | | | |
|--|---|--|---|
| Soft Absorbent bandage | | | |
| Indications for use | | Contra- indications | |
| <p>To protect vulnerable areas such as tissues and tendons</p> <p>*Essential to apply prior to compression bandaging</p> <p>To provide padding to shape the leg prior to bandage application</p> <p>Absorbs exudate from highly exuding wounds</p> | | <p>Some patients may have sensitivity to the bandage and will need a cotton liner prior to application</p> | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| <p>Formflex natural wool bandage (Lantor)</p> <p><i>Hospital & Community direct supply</i></p> | <p>5 cm All x 2.7metres</p> <p>10 cm</p> <p>15 cm</p> | N/A | <p>Acts as the First layer in the 4 layer bandage system</p> <p>Useful under crepe bandage to protect frail limbs Eg. the elderly</p> |
| <p>K-Soft wool bandage</p> <p>Community</p> | <p>10cm x2.75 m</p> | £0.47 | |

TYPE 2: LIGHT SUPPORT BANDAGES

Used to prevent oedema
 Gives support to mild sprains and strains
 Limited extensibility
 Used as a crepe bandage
 Latex free
 suitable for sprains and strains

Indications for use

For support without exerting undue pressure
 To prevent formation of oedema
 Suitable for strains and sprains

Contra- indications

No allergy to any of the components
 Not suitable for application of pressure on its own

Formulary Choice

Size

WP10 Price

Treatment Advice

K-Lite
 (Urgo Ltd)

Type 2 light support

5 cm x 4.5m
 7.5cm x4.5m
 10 cm x 4.5m
 15 cm x 4.5m

£0.57
 £0.78
 £1.03
 £1.49

Acts as the second layer in the 4 layer bandage system
 10 &15 cm bandage suitable for lower legs

TYPE 3: COMPRESSION BANDAGES

Provides high compression used in the management of venous insufficiency and ulcerations

Inappropriate application can lead to hazardous levels of pressure

Full vascular assessment of the patient including **ABPI** studies essential prior to the application of the bandages

Different classes of type 3 bandages (3a, 3b, 3c,) are designed to provide differing levels of pressure to the limb

ALL COMPRESSION BANDAGES SHOULD HAVE WADDING LAYER APPLIED FIRST (See sub-compression wadding advice page) AND CAREFUL OBSERVATION OF EXTREMITIES AFTER APPLICATION OF BANDAGES

| Indications for use | | Contra- indications | |
|--|--|--|---|
| Gross oedema Venous ulceration Post -thrombotic venous insufficiency | | Arterial insufficiency Inadequate training of bandaging technique Caution with diabetic patients | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| 3a Light compression bandage (14-17 mmHg at ankle) K- Plus (Urgo Ltd) | 10 x 8.7cm stretched 10 cm x 10.25 cm stretched | £2.33 £2.70 | Always apply toe to knee 50 % overlap Used as 3 rd layer of 4 layer bandage system, but applied in a figure of eight |
| 3b Moderate compression Cohesive bandage (18-24 mmHg at ankle) Ultra Fast Cohesive bandage (Robinson) latex free | 10 cm x 6.3m stretched | £2.62 | Adheres to itself, but not the skin Fourth layer of 4 layer bandage system Used for sports injuries Do not apply with excessive tension Apply in spiral with 50 % overlap |

TWO LAYER BANDAGESYSYEM

Two layer bandage system that combines elastic and inelastic components
 Sustained graduated compressions for up to 7 days
 First layer inelastic component providing compression absorbency and massage effect
 The second layer is elastic cohesive bandage that delivers additional compression to achieve therapeutic pressures and maintain resting pressures

Also available in latex free range

| Indications for use | | Contra- indications | |
|---|--|--|---|
| Second line choice after short stretch bandage Lifestyle limitations from multi layer system Non healing in short stretch system Can be left in place for 7 days | | Arterial insufficiency Inadequate training of bandaging technique Caution with diabetic patients Allergy to latex - available in latex free options | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| UrgoKTwo Bandage (2nd Line) | Ankle circumference 18-25 cm (10cm) | £ 8.24 | Rugby shaped balls change to circles when correct therapeutic pressure achieved |
| | 25-32 cm (10cm) | £9.00 | |
| | 18-25 cm (12cm) | £10.39 | |
| | 25-32 cm (12cm) | £11.35 | |

| SURGICAL TAPES | | | |
|--|----------------------------|---|---|
| Adhesive tapes are useful to retain dressings Permeable and non- woven | | | |
| Indications for use | | Contra- indications | |
| To secure non adhesive dressings | | Can cause irritation and allergic reactions Are occlusive and may cause maceration Creates a tourniquet if applied under tension | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Blue dot (Crest Medical) Plastic perforated medical tape | 1.25 x 10m 2.5 cm x 10m | £0.15 £0.30 | Do not apply to fragile skin if it can be avoided |
| Hypafix (BSN Medical) Permeable apertured non- woven surgical synthetic adhesive tape | 5 cm x 10m | £2.73 | Used when a wider tape coverage is required |

| INELASTIC BANDAGES | | | |
|--|------------|---|--|
| Indications for use | | Contra- indications | |
| Oedema in limbs Venous Leg Ulceration Lymphoedema management | | Inappropriate application can lead to uneven application, or hazardous levels of pressure | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Actico (Activa) | 8cm x 6m | £3.28 | To be applied over a wool padding layer Can be applied using various techniques eg putter, or in a spiral toe to knee at full stretch |
| Cohesive short stretch bandage | 10cm x 6m | £3.41 | |
| | 12 cm x 6m | £4.34 | |

| TUBULAR BANDAGES | | | |
|---|---|--|---|
| Available in different forms Some are elasticated, whilst others are gauze and stockinette Sizes vary to suit body area | | | |
| Indications for use | | Contra- indications | |
| To support muscle sprains, strains and joints To provide a skin coverage after dressings or creams applied To retain dressings in awkward parts of the body eg digits or trunks | | Caution with elasticated versions with arterial incompetence Always apply elasticated versions from toe to knee on the lower limb | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Cotton stockinette <i>(Hospital & Community direct supply)</i> Comfi gauz (Synergy) | Sizes vary for different body areas, digits – limbs 20 m lengths | Hospital Only | Ideal for retention of dressings on digits |
| Elastic tubular bandage CLINlgrip (ClinisuppliesLtd) | Sizes B-G depending on body area | Vary from per 1m length | To provide support to sprains and strains Ensure arterial sufficiency before application |
| Tubular viscose stockinette (Vernacare HCS Ltd) ComfiFast | Colour coded red – beige depending on body area | Vary from £ Per 1m length | Ideal to use next to patient skin to contain dressings |

Larval Therapy

Sterile larvae from the greenbottle *Lucilia Sericata*
 Secrete proteolytic enzymes which soften necrotic tissue enabling the larvae to ingest the dead tissue
 Reduce the bacterial load in the wound
 Available in a “tea-bag” for superficial areas, although not as effective as the free range applications



AWTVNFlarval
 finalforweb_opt.pdf

All Wales guidance on use of maggots

| Indications for use | | Contra- indications | |
|--|------------------------|---|---|
| All soft necrotic /sloughy wounds Osteomyelitis Abscesses Necrotising fasciitis | | Hard Dry necrotic tissue Fistula or wounds connecting to vital organs Wounds with exposed blood vessels | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| <i>LarvE</i> (Specialist use) | Made to fit wound size | Minimum cost £177 per single pot Enclosed bags min. £250 On FP10 for community use | Always remove hydrogels prior to application Protect surrounding skin from enzymes Use a foot bag for toes/ foot wounds Therapy less effective if patient is receiving Metronidazole |

| SKIN PROTECTION FILM & ADHESIVE REMOVAL | | | |
|---|---|---|--|
| No Sting transparent protective barrier film Forms a waterproof barrier Non alcohol base Non petroleum based | | | |
| Indications for use | | Contra- indications | |
| Skin exposed to bodily wastes, fluids, adhesive dressings and tapes Superficial skin break, stoma and peg sites Incontinence dermatitis 1st line use Cetragen Ointment dissolved in warm water as soap substitute | | Do not use on infected areas Do not use if signs of irritation | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Medi Derma-S Total Barrier film (Medicareplus International) (2nd Line) | Foam applicator 1ml x 5 3ml x 5 Film Pump Spray 30ml | £3.70 £5.95 £5.35 | Clean skin prior to application Apply uniform coating Allow film to dry before applying pads or clothing Reapply 48-72 hrs or more often if needed No need to remove film in between use |
| Medi Derma-S Total Barrier cream (Medicareplus International) (Specialist use) | 2gms sachet 28gm 90gm | £5.85 (20) £2.98 £5.95 | Can be used on superficial broken skin Consider sachet as cost effective option for short term use |
| Lifteez medical Adhesive remover-non sting Medicare Plus International | 30 wipes 50ml | £8.50 £5.60 | For ease of removal of adhesive dressings. Avoid use on delicate or sensitive areas of skin. |

| ADVANCED SKIN PROTECTION | | | |
|--|--------------|---|---|
| Indications for use | | Contra- indications | |
| Extreme Skin erosion from exposure to bodily wastes, fluids, adhesive dressings and tapes Incontinence dermatitis | | Do not use on infected areas Do not use if signs of irritation Do not use with adhesive dressings or appliances | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Medi Derma -Pro Foam and spray Incontinence Cleansers (Specialist Use) | 250 ml spray | £5.95 | Can be used to remove urine and faeces following episodes of incontinence |
| MediDerma-Pro Skin Protectant Ointment- Non sting (Specialist Use) | 115gms | £8.50 | Long lasting protective waterproof barrier |

| METRONIDAZOLE GEL- Odour Absorbing Products | | | |
|---|------|---|---|
| Contains antibiotic metronidazole Effective against anaerobic bacteria | | | |
| Indications for use | | Contra- indications | |
| Malodorous fungating tumours Malodorous wounds | | Those with a hypersensitivity to metronidazole Pregnant or lactating mothers Overuse will induce resistance | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Metronidazole 0.75% gel | 15gm | £4.47 | Apply one or twice daily to the wound Consider oral metronidazole if odour is not controlled |

| PARAFFIN TULLE DRESSING | | | |
|---|-----------|--|---|
| Yellow or soft white paraffin impregnated into open weave cotton Requires a secondary dressing | | | |
| Indications for use | | Contra- indications | |
| Clean superficial wounds Not recommended as first line treatment only under specialist area prescription eg burns and plastic referral | | Change daily to prevent drying out and wound adhesion Granulation tissue can be incorporated into open weave and removed with dressing Heavily exuding wounds Fire Hazard | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Jelonet (Smith & Nephew) | 10 x 10cm | £0.42 | Use several layers to prevent dressing drying out and adhering to wound bed |

PROTEASE INHIBITOR INTERACTIVE DRESSING

The UrgoStart dressing works by inhibition of excess matrix metalloproteinases (MMPs) and promotion of angiogenesis through migration and proliferation of endothelial cells. The dressings consist of a layer of open-weave polyester mesh impregnated with hydrocolloid polymers within a petroleum jelly known as technology lipido-colloid (TLC). It also contains nano-oligosaccharide factor (NOSF).

This dressing is only to be used with specific indications on two types of wound - Diabetic Foot Ulcers and Venous leg ulcers.

| Indications for use | | Contra- indications | |
|--|--|---|--|
| Diabetic foot ulcers <ul style="list-style-type: none"> To be used only in line with Wales Diabetic Foot Pathway | | <ul style="list-style-type: none"> Malignant wounds Heavily Bleeding wounds Wound Infection Wounds which may reveal a deep abscess Known sensitivity to UrgoStart TLC-NOSF | |
| Venous Leg Ulcers | | | |
| <ul style="list-style-type: none"> Previous 6 weeks of non-healing Full holistic assessment has been completed Venous disease diagnosed | <ul style="list-style-type: none"> Appropriate skin care provided Compression therapy applied Non infected wound Life style advice given Concordant patient | | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| UrgoStart Contact (Urgo Ltd) Wound contact layer containing protease inhibitor (Specialist use) | 6x7cm 10x10cm | £3.37 £4.94 | Can stay in place for up to 7 days Use continuously for 8 weeks' minimum (unless contraindication arises) |
| UrgoStart Plus Pad Protease inhibitor contained in a Polyabsorbent fibre pad (Specialist use) | 6x6cm 10x10cm | £ £ | Can stay in place for up to 7 days Use continuously for 8 weeks' minimum (unless contraindication arises) |

| Sterile Dressing Packs | | | |
|---|--|------------|--|
| | | | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Nurse It (Medicareplus International) Sterile Pack containing: 1 Pair Powder Free, latex free, nitrile gloves Compartment tray Disposable forceps 2 laminated paper sterile fields Measuring tape 7 Non Woven Swabs 1 White Polythene Disposable Bag 1 Apron | Available in Small/ Medium Medium/Large... | £0.55 | Please specify on Prescription what size is required (size is in reference to glove size). |

| MEDICATED BANDAGES | | | |
|--|------------|--|--|
| Open weave cloth impregnated with zinc oxide paste | | | |
| Indications for use | | Contra- indications | |
| To manage leg ulcers under compression For chronic skin condition | | Do not use on individuals with known sensitivity. If used under compression a full Doppler ABPI is needed | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Viscopaste PB7(Smith &Nephew) | 7.5cm x 6m | £3.72 | Beginning at the base of the toes, the bandage should be loosely wrapped around the foot and the heel and then, whilst wrapping from the ankle, with every turn, the bandage should be folded back on itself in a pleat, at the front of the leg. This should be repeated up the leg until just below the knee. Can be left on up to a week. Creating a pad of this bandage is also useful to debride wounds |
| Ichthopaste (Smith &Nephew) (zinc paste and ichthammol bandage) | 7.5cm x 6m | £3.75 | As above. |

| ACIVATED CHARCOAL DRESSING | | | |
|--|-----------------|--|---|
| Sterile, non adhesive dressing with an absorbent wound contact layer, an active charcoal central pad, water resistant top layer. Effective against malodorous. | | | |
| Indications for use | | Contra- indications | |
| To manage of malodorous acute and chronic wounds. Can be used on exuding wounds. | | Do not use on individuals with know sensitivity. | |
| Formulary Choice | Size | WP10 Price | Treatment Advice |
| Odolock (KCI Medical Ltd Acellity) | 10.5 x 10.5 cms | £1.75 | Not to be used as stand alone dressing but in conjunction with other dressings to help reduce odour |
| | 10.5 x 19 cm | £2.40 | |

Additional Dressing Document

(To be completed when dressing are required in addition to the formulary).

| | |
|-------------------------|-------|
| ■ Patients' details | ----- |
| | ----- |
| ■ Present dressing used | ----- |
| ■ Dressing required | ----- |
| ■ Rational for change | ----- |
| | ----- |
| | ----- |

Return to Tissue Viability Department

Wound Care prices were correct at time of document completion. Prices were extracted from BNF March –June 2020 Drug Tariff (Prices may fluctuate monthly).