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Therapeutic care & Wound Dressings
Dressings – how far have we come?

• What we currently recommend:
  • Primary contact layer Mepitel/Urgotul
  • Nappy area / JEB – Intra Site Conformable
  • Anti microbial – silver or honey

• Newer products:
  • Promogran Prisma
    • PolyMem
  • Biatain – Ibu
Intrasite Conformable (Smith & Nephew)

- Gauze impregnated with hydrogel
- Indications:
  - Nappy area
  - HJEB
  - EBS
Honey based products

- Mesitran ointment
- Algivon

Actions
- Debride
- Reduce bacterial load
- Reduce malodour
Promogran Prisma Matrix (Johnson & Johnson)

• A unique combination of collagen oxidised regenerated cellulose (ORC) and silver delivering a balanced combination of protection and growth.

• The dressing promotes healthy tissue growth while delivering silver to the wound.
Promogran Prisma

- Moisten dressing with saline
- Cover wound - may need several layers
- Re-apply every 24 - 72 (should be no evidence of previous dressing)
- Apply secondary dressing to manage increased exudate
- No response in 20% of wounds
- Increase in pain may be experienced
PolyMem Quadrafoam (Ferris)

- Hydrophilic polyurethane foam sheet bonded to a semi-permeable polyurethane film.
- The foam contains:
  - A safe non-toxic cleanser
  - A moisturiser (glycerol) which prevents the dressing drying out and adhering to the wound bed,
  - A starch copolymer to enhance the fluid handling properties.
  - The semi-permeable backing prevents strike-through and reduces risk of bacterial contamination
PolyMem Quadrafoam

- Primary wound contact layer not required
- Secondary dressing not required
- Additional exudate management not required
- Available in silver
- No need for cleansing of wound
- Very popular with patients
- Excellent rate of healing
Biatain - Ibu (Coloplast)

- Foam dressing with ibuprofen designed to provide moist wound healing and reduce pain at the wound site.
- For moist wounds only.
- Not licensed for those under 12 years
5 children

- Over 12 years old
- Moist painful wounds
- All had previously received topical morphine
Pain scores

• Pain score (from 0-10) taken pre-dressing and 1 hour after dressing applied.
• All children except 1 showed markedly reduced scores. (no form of analgesia reported to have an effect in this child)
• All except 1 found it more effective than topical morphine (1 child did not find the topical morphine effective)
Biatain - Ibu

- Lack of topical anti microbial agent leads to critical colonisation. Therefore additional dressings/ topical antimicrobial must be used in conjunction with Biatain-Ibu.
- Exudate management of foam not always adequate
- Only licensed for over 12’s which excludes a large proportion of the caseload.
Other new ideas....

- Use of a low air loss mattress
- Silicone Medical Adhesive Removers
- Parafricta fabric
- Silver garments
Use of a Low Air Loss Mattress for patients with severe EB

- Significantly reduces pressure/pain in comparison to alternating pressure systems
- Conforms to bony prominences, minimising deformation of body tissue
- Allows patient to sink into mattress evenly distributing pressure
- Helps reduce pressure induced pain
Pulsation Therapy

- Mimics body’s natural intermittent movements stimulating lymphatic flow
- Improves capillary blood flow, increasing oxygenation to the wound and skin
- Reduces pain
KCI TheraKair Visio low air loss mattress

- 8 adults with severe EB trialled the Visio mattress. They had open wounds on admission and were considered at further risk of tissue damage during their hospital stay.
- At the end of their stay no patients sustained further tissue damage.
- 5 patients had improved healing in some areas.
- 7 patients reported improved levels of comfort.
KCI TheraKair Visio low air loss Mattress

- An 11 year girl with severe recessive dystrophic EB had multiple chronic wounds, the largest of which covered her back.
- Her sleep was disrupted due to pain, her inability to move unaided and maceration from excessive exudate from her wounds.
- More recently she had become oedematous as a result of a protein losing enteropathy.
Trial of KCI TheraKair Visio Low Air Loss Mattress

• The decision was made for the child to have a trial of a KCI Visio mattress.
• Her comfort and sleep quality improved immediately.
• The Gore-Tex sheet provided a non-friction surface and enabled her to turn unaided.
• The moisture management helped with the control of exudate and some healing was observed in the large wound on her back.
Silicone Medical Adhesive Removers

• A non-sting preparation available a spray or wipe
• Invaluable for a wide range of situations.
• Enables adhesive tapes and dressings to be used. Medicated patches e.g. Hyoscine, fentanyl
• Harmless removal of adhered clothing, dressings
• Brand names: Appeel / Welland (Clinimed), Niltac
Silver Garments

- Soft cotton clothing bonded with pure silver
- Worn as pyjamas and under – clothes
- Also available in socks and gloves
- www.best4body.co.uk
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