From the start to completion of wound healing

D-WOUND SOLUTION

Treatment for ALL type of wound
Burn, Pressure ulcer
Diabetic Foot ulcer
Scar prevention

244, Galmachil-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, 462-807 Korea
D-WOUND SOLUTION

The letter D in the D-wound solution is reminiscent of the word ‘Dressing’. It also represents the full line-up of CG Bio’s wound care products which can provide ideal solutions towards all stages of the wound healing process.

D-WOUND SOLUTION GUIDE

Mechanisms

01. Re-epithelialization
   EGF promotes epithelial cells to proliferate and migrate to fill wounds.

02. Formation of granulation tissue
   EGF stimulates fibroblasts in dermal tissue to facilitate dermal cells to differentiate and proliferate.

03. Angiogenesis
   EGF promotes endothelial cells to proliferate to regenerate blood vessels.

Advantages of Easyef

01. Korea’s First Biotechnological Drug
   Easyef® is the first formulation of Rh-EGF developed in Korea.

02. Identical to Natural Human EGF
   Has the same structure and activity as the human EGF.

03. Remarkable Healing of Diabetic Foot
   Easyef® clinical outcome of diabetic foot ulcers showed a high cure rate of 73%.

Indication

Burn, skin-transplantation areas, bedsores, preventive management of diabetic foot ulcers, dermatitis due to radiological treatment, broad range of general wounds
Curasys is Negative Pressure pump that has been manufactured solely by Korean technology. It has numerous published clinical cases by leading medical practitioners and has been customized based on patients’ needs. The ‘Cyclonic mode’ is a unique feature of Curasys which has been developed to minimize the patients’ discomfort.

### Mechanisms

01. Removal of excess interstitial fluid
   - Acceleration of cell proliferation by reducing cytokine
   - Restoration of flow in small blood flow

02. Mechanical stress
   - Granulation tissue formation; angiogenesis, stimulating cell growth

03. Provide moist wound environment
   - Stimulation of angiogenesis and local blood flow
   - Reduction in bacterial count
   - Mitogenesis of cell involved in the wound repair process

### How to use

01. Assemble all components and press orange power button to turn on unit
02. Adjust mode and pressure settings and press start/stop button to activate therapy.
03. Key lock system for patient mobility. To exit from lock mode, press any key for 1 second.
04. Make sure seal is maintained when the curasys is turned on.
05. Press power button for 1 second to turn off unit.
06. Press any button to stop alarm sound.

### Curasys Key Feature

01. Compact design- light weight, wide LCD screen
02. Portable and convenient-up to 12 hours of battery life, A/C or battery operational
03. Safety features-key lock system, alarming system
04. Select mode depend on patient condition- continuous mode, cyclonic mode
05. Easy to use-simple set up, easy control
06. No-pain

### Indication

Chronic wounds, Acute and traumatic wounds, subacute and dehisced wounds, partial-thickness burns, Ulcers (such as diabetic or pressure), flaps and grafts
Easyfoam™ is a primary or secondary type of dressing on wound with exudates. The thin and semi permeable polyurethane foam effectively protects the wound from bacterial invasion and contamination.

**Mechanisms**

The healing process on the epithelial layer is elevated when the wound surface contains moderate amount of moisture and exudate contains growth factor for skin regeneration. Easyfoam dressing keeps the wound surface moistened allows the skin to regenerate faster.

**Advantages of EasyForm**

01. Clinical Stability Skin sensitization, acute systemic toxicity, skin imitation, cytotoxicity, pyrogen, sterility tests have been passed.
02. Excellent absorbency effectively absorbs wound exudates on high level
03. Various product range Consists of various thickness(7mm, 5mm, 2mm) & size (5*20cm, 10*10cm, 20*20cm, 40*60cm)
04. Wound contact layer of Easyfoam has smaller pore size, compared to other foam dressings
   - Reduces risk of newly formed epithelium penetrating the foam (helps to prevent adherence to the wound bed)
   - Reduces risk of wound trauma and pain during dressing changes

**Indication**

Venous and arterial leg ulcers, Pressure ulcers, Diabetic ulcers, Superficial and partial thickness burns, Skin grafts and skin donor sites, Lacerations and abrasions, Trauma wounds, Post operative wounds

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EasyDerm is a hydrocolloid dressing to provide exuding wound with a moist environment. Bacterial barriers of the EasyDerm protects the wound from infection and the flexible dressing allows contouring around the wound.

**Mechanisms**

In the dry environment, the new epithelial cells have to burrow under the scab and it does not help in healing sufficiently. Under moist environment, the cells are able to move across an unobstructed surface freely, being lubricated by the retained exudates. Wound healing is facilitated up to 60% under the moist environment than dry environment.

**Advantages of EasyDerm**

01. Optimum condition
   Maintains moist environment and enhances epidermal migration
02. Bacterial barrier and Waterproofness
   Reduces risk of infection and allows a patient to wash.
03. UV protection
   Protects the wounded skin from discoloration caused by UV.
04. Breathable Hydrocolloid wet dressing (Moisture vapor permeability)
   FHC is 7 times higher than the product D and allows the moisture to be released (MVTR). The number of wound healing substances increase within the FHC and concentrated allowing the time of wound healing process to decrease.

![Absorbancy Test](chart)

**Indication**

Venous and arterial leg ulcers, Pressure ulcers, Diabetic ulcers, Superficial and partial thickness burns, Skin grafts and skin donor sites, Lacerations and abrasions, Trauma wounds, Post operative wounds

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*Ref. J. k Park, morphology of wound contact layer by SEM, 2011, Dawoong bio lab.*
In the absence of an immune response, the role of dermis is to provide the necessary framework for the input of fibroblasts and the regeneration of nerves, and blood vessels. CGDerm is an acellular dermal matrix allograft and applied to soft-tissue defects. Compared to other products, CGDerm has morphologically the most similar matrix to human dermal tissue and gives significantly better tensile strength and elasticity.

**Advantages of CGDERM**

**01. Safety**
No immune rejection after acellularizing process. CGDerm meets the safety criteria of KFDA and US FDA permitting sale ability in the United States.

**02. Effectiveness**
Equal or better uptake rates compared to other existing dermal matrix allograft and dermal matrix xenograft.1,2

**03. Convenience**
Custom-made sizes for the intended use

**Indication**

Grafting – Burns, ulcers, wound coverage, contracture removal Breast (Post-mastectomy) – Breast reconstruction Abdominal Wall Repair – Hernia

Easydew can be applied after a dermatological treatment or certain skin problems to treat the damaged, dry and sensitive skin layer. After dermatological treatment, your skin is more exposed to irritation and stimulation and redness. Therefore, it is necessary to have specific care such as rejuvenation, moisturizing and sun protection for fast stabilization and recovery of the skin.

**Mechanisms**

**01. Re-epithelialization**
EGF promotes epithelial cells to proliferate and move to fill wounds.

**02. Formation of granulation tissue**
EGF stimulates fibroblasts in dermal tissue to facilitate dermal cells to differentiate and proliferate.

**03. Angiogenesis**
EGF promotes endothelial cells to proliferate to regenerate blood vessels.

**Advantages of Easydew CR**

**01. Skin Repair**
Daewoong EGF contains nano-liposomes that quickly stabilize damaged skin.

**02. Skin Moisturizer**
Contains 100% natural moisturizing ingredients (Camellia and mistletoe oil) making Easydew® a stronger moisturizer. It does not contain steroids.

**03. Formation of Skin Barrier**
Contains a high concentration of natural ceramide which improves skin elasticity and prevents moisture-related damage.

**Indication**

Burn, skin-transplantation areas, bedsores, preventive management of diabetic foot ulcers, dermatitis due to radiological treatment, broad range of general wounds
Scarsense® is used to minimize and reduce scars resulting from traumatic or surgical injuries. The Silicon Technology of Scarsense® provides superior silicone flexibility and adhesion. Meanwhile the Teflon provides a combination of strength and elasticity. Technology that improves physical properties of the product has patent-protection in the United States and related countries.

**Mechanisms**

01. Water supply
   - Hydration ➢ decrease capillary activity ➢ Reduced accumulation of collagen ➢ scar contraction

02. Temperature rise
   - Temperature rise ➢ Collagenage enabled ➢ Collagen degradation ➢ scar contraction

03. Increase in the partial pressure of oxygen
   - Increased pressure ➢ decreased angiogenesis ➢ collagen production is reduced ➢ scar contraction

**Advantages of Scarsense**

01. Thin & Flexible
   - Made of silicon material so that provides strong flexibility.

02. Breathable
   - Breathable sheet used without causing skin irritation.

03. Pre-Cutting
   - For being cut-customized Scarsense® can be used efficiently in specific medical specialties.

**Indication**

Caesarean section, thyroidectomy, spine surgery, breast reconstruction, liver resection, transplantation, etc., or any other areas where scar formation is expected to occur.

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New concept for acute wound healing with Nepidermin[Rh-EGF] as its active ingredient. Easyef ointment is safe because the product does not contain any steroid and antibiotics.

**Mechanisms**

01. Re-epithelialization
   - EGF promotes epithelial cells to proliferate and move to fill wounds

02. Formation of granulation tissue
   - EGF stimulates fibroblasts in dermal tissue to facilitate dermal cells to differentiate and proliferate

03. Angiogenesis
   - EGF promotes endothelial cells to proliferate to regenerate blood vessels.

**Advantages of Easyef ointment**

01. Identical Natural Human EGF
   - Has the same structure and activity as the human EGF.

02. Clinical Evidence
   - Easyef clinical outcome (phase II, III) of acute wound showed a significant difference in healing time compared to standard therapy.

03. No Significant Adverse effect
   - Clinical trial in humans has proven the safety of Easyef.

**Indication**

Additional local treatments on wounds and skin ulcers.