**Why is StrataXRT an innovative wound dressing?**

- Can be applied third day of radiation therapy
- Faster repopulation of keratinocytes
- Does not cause tissue retraction
- Lightly binds to the most superficial damaged layer of the skin
- Can be applied during fractionation
- Fast drying
- 24 hours
- Keeps wounds clean and protected
- Full contact flexible dressing
- Can be used with or without a secondary protective dressing
- Sterile, biologically active, multiple molecular components
- Released to create a moist wound environment
- Bolus effect
- Faster re-epithelialization
- Wound to skin interface healing
- Polydimethylsiloxanes, siloxanes, alkylmethyl silicones
- Continued use is recommended until no further improvement is seen.
- StrataXRT is recommended to be applied following directions for use: StrataXRT may also be used in conjunction with other adjunctive treatments to improve overall results.
- StrataXRT may also be used with or without a secondary protective dressing.

**Case studies of StrataXRT application**

**Case study Spain, 2015**
Hospitale Universitario de Fuenlabrada, Hospital Ruber Internacional, Madrid Spain

A series of case studies was performed on patients with RTOG score of 2.5 ± 0.5. Patients and nurses reported an overall (95%) improvement, reduced itching and pain symptoms. Patients appreciated the ease of use as well as the comfort provided by StrataXRT.

**Patient showing RTOG 3 radiation dermatitis with moderate edema and a confluent moist desquamation.**

**Patient applied StrataXRT during ongoing radiation therapy. After 19 days of topical treatment, a resolution of edema and erythema, and closure of the wound was observed.**

**StrataXRT vs common treatment regimen**

- StrataXRT reduces the severity of radiation induced skin reactions, therefore improving the probabilities of not complying with the planned radiation therapy.

**Skin care overall costs during radiation therapy treatment**

- Extra nursing time needed to cut and apply dressing.
- No need to be carefully applied and adjusted to avoid adverse effects.
- No proven clinical efficacy.

**How much StrataXRT is required?**

StrataXRT gel is a unique formulation that requires substantially less product per application than typical moisturizing creams or barrier ointments.

- StrataXRT 20 g (0.7 oz): contains enough gel for over 2 weeks of treatment during a standard fractionation plan applying the gel twice per day.

**How to apply StrataXRT**

1. Cover the area affected by radiation dermatitis using a very thin layer of StrataXRT for the affected area. Only 1 to 2 grams should be applied to a 20 cm x 20 cm area. Leave the gel on the affected area and allow the drying process to continue.
2. Once dry, StrataXRT may be covered by sunscreen, cosmetics and clothing.
3. If it takes longer to dry you have probably applied too much. Gently remove the excess with a soft cloth. Let the surrounding skin air dry. StrataXRT gel is easy to remove without damaging the fabric. For correct storage please reclose the tube tightly with the cap. Should your radiation dermatitis show signs of infection or failure to heal after 30 days of initial product application, consult your physician. If irritation occurs, discontinue use and consult your physician. Not suitable for highly exudative wounds, tunnelling wounds or 3rd degree burns. Keep out of the reach of children. Do not use after the expiration date (EXP).

**References:**

10. Data on file, 2015 (Hospital Universitario de Fuenlabrada, Hospital Ruber Internacional, Madrid Spain). Stratpharma AG.
Radiation dermatitis – the unwelcome consequence of a life-saving therapy

Radiation dermatitis is an acute skin reaction affecting approximately 95% of patients who receive radiation therapy to the breast, groin or perineum.1-3 It generally ranges from erythema to dry or even moist desquamation and can be a source of significant pain, discomfort and psychological distress. In particular, moist desquamation poses the risk of infection and can result in treatment breaks which impair patient outcomes.1,2,3 Studies assessing lotions, creams, or emulsions (aloe vera, etc.) to prevent radiation dermatitis suggest no benefit in managing radiation dermatitis or provided conflicting evidence.6,7,8

Up to ~10% of patients receiving cancer treatment will undergo radiation therapy at some stage of their illness.1,3,4 Ensuring that interventions are based upon best practice, the RTOG scale (Radiation Therapy Oncology Group) provides a standardized description of radiation induced side effects. Interventions are usually matched to the skin reaction based on its assessment and the RTOG score.

How do the current therapies rate?

Studies assessing lotions, creams, or emulsions (aloe vera, under radiation therapy at some stage of their illness.1,3,4 Ensuring that interventions are based upon best practice, the RTOG scale (Radiation Therapy Oncology Group) provides a standardized description of radiation induced side effects. Interventions are usually matched to the skin reaction based on its assessment and the RTOG score.

Consensus goals of care for skin reactions during radiation therapy

• Initial maintenance of skin integrity
• Reduced potential of further exacerbation of skin reactions
• Minimized water loss and optimized skin hydration by means of topical agents
• Promotion of comfort and compliance
• Promotion of moist wound healing environment where skin is broken
• Protection from trauma and friction
• Prevention of low grade cutaneous changes such as dry, itching, flaking, peeling and irritated skin.
• Faster re-epithelialization of the skin post therapy.
• Relief of low grade cutaneous changes such as dry, itching, flaking, peeling and irritated skin.
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The RTOG scale for radiation dermatitis

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StrataXRT as prophylaxis

StrataXRT helps to preserve the skin’s integrity, by reducing the side effects of ionizing radiation.

• StrataXRT provides a protective film that maintains skin integrity and reduces trauma and irritation to the affected site.
• StrataXRT helps to prevent the compromised skin from infections.
• StrataXRT provides a semi-occlusive coverage for optimal hydration of the injured area.
• StrataXRT reduces the skin’s acute inflammatory responses.

To be used immediately after the first dose of radiation therapy.

StrataXRT for the treatment of radiation dermatitis

StrataXRT helps to reduce Trans Epidermal Water Loss (TEWL) promoting a moist wound healing environment, leading to:

• Faster re-epithelialization of the skin post therapy.
• Relief of low grade cutaneous changes such as dry, itching, flaking, peeling and irritated skin.
• Reduction of pain, redness and scratching of the exposed skin areas.

StrataXRT as prophylaxis

StrataXRT helps to preserve the skin’s integrity, by reducing the side effects of ionizing radiation.

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• StrataXRT provides a protective film that maintains skin integrity and reduces trauma and irritation to the affected site.
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Progression of symptoms and skin changes according to the RTOG score during radiation therapy*

Area between the curves represents the prophylactic effect of StrataXRT.

* Curve generated from the general progression of radiation dermatitis for patients undergoing radiation therapy. Levels of reaction differ significantly between patients and treatments. If untreated, however, the level of reaction generally follows the shape of this curve.