

## Who suffers from radiation dermatitis?

All cancer patients receiving radiation therapy are at risk for skin damage. However, incidence of radiation dermatitis varies by cancer type and radiation therapy regimen. It is estimated that more than 90% of patients treated with radiation therapy for breast cancer will develop radiation-induced dermatitis.<sup>1</sup>

## What are the symptoms of radiation dermatitis?

Reddening of the skin, an initial sign of radiation dermatitis, may appear as early as the first treatment. Symptoms may also include the following:

- epilation (hair loss)
- dry desquamation
- wet desquamation
- decreased sweating
- edema (swelling)
- ulcerations
- bleeding
- skin cell death

Symptom progression depends on the total radiation dose, fractionation, total duration of treatment, volume of tissue irradiated, and type of radiation delivered.

Hydrate. Soothe. Protect.



## The Art of Skin Restoration



## for Radiation Dermatitis

**References:** 1. Harper JL, Franklin LE, Jenretter JM, Agüero EG. Skin toxicity during breast irradiation: pathophysiology and management. *South Med J.* 2004;97:989-993. 2. Primavera G, Carrera M, Pinnaro P, Messina M, Arcangeli G, Berardesca E. A double-blind, randomized, placebo-controlled clinical study to evaluate a topical hyaluronic acid-based, hydrolipidic treatment for radiation dermatitis. Presented at: ECCO 13—The European Cancer Conference; October 30–November 3, 2005; Paris, France. 3. Xclair Cream [package insert]. Cary, NC: ALIGN Pharmaceuticals; 2005.



[www.alignpharma.com](http://www.alignpharma.com) Customer Service: 919-398-6225 Fax: 919-398-6250

©2006 ALIGN Pharmaceuticals All rights reserved. Printed in USA. XCL-06/03



# What is radiation dermatitis?

## Radiation dermatitis

is an unintended and often unavoidable skin reaction commonly experienced by patients receiving radiation therapy as part of their cancer treatment. This side effect, caused by radiation passing through skin cells, is often unpleasant and painful and may contribute to poor quality of life in cancer patients. In some cases, radiation dermatitis may become so severe as to necessitate interruption or cessation of radiation therapy.

## What are the treatment options?

A wide variety of products (including many over-the-counter products) have been used to treat radiation dermatitis with little or no evidence to support their use. In general, emollients or hydrating lotions are used during the early stages of the condition. If symptoms progress, however, topical corticosteroids, dressings, and radiation dose reduction, among a variety of other treatments, may be necessary.

## New standard of care for radiation dermatitis— Xclair Cream

Xclair Cream is a water-based cream with barrier-forming properties.<sup>2</sup> Because it does not interfere with the efficacy of radiation therapy, it can be used before, during, or after treatment.<sup>2</sup>

Because Xclair Cream does not contain steroids, immunomodulating substances, alcohol, or fragrance, its use will not aggravate damaged skin and is highly acceptable for most patients.

Xclair Cream is well tolerated and preferred by most patients and physicians.<sup>2</sup> Its active ingredients include the following<sup>3</sup>:

Hyaluronic acid—increases hydration to **HYDRATE**



Glycyrrhetic acid—reduces inflammation to **SOOTHE**



Anti-protease and antioxidant compounds—reduce cell damage to **PROTECT**

