

# Literature Review

## Radiation Burn Treatments

Medication	Title of Article	PubMed Link
Aloe vera gel	Reduction in severity of radiation-induced dermatitis in head and neck cancer patients treated with topical aloe vera gel: A randomized multicenter double-blind placebo-controlled trial	<a href="https://pubmed.ncbi.nlm.nih.gov/35767935/">https://pubmed.ncbi.nlm.nih.gov/35767935/</a>
Amifostine	Radiochemotherapy with cetuximab, cisplatin, and amifostine for locally advanced head and neck cancer: a feasibility study	<a href="https://pubmed.ncbi.nlm.nih.gov/19744802/">https://pubmed.ncbi.nlm.nih.gov/19744802/</a>
Azelastine	Azelastine: its clinical application for radiation dermatitis	<a href="https://pubmed.ncbi.nlm.nih.gov/8827810/">https://pubmed.ncbi.nlm.nih.gov/8827810/</a>
Betamethasone	A potent steroid cream is superior to emollients in reducing acute radiation dermatitis in breast cancer patients treated with adjuvant radiotherapy. A randomised study of betamethasone versus two moisturizing creams	<a href="https://pubmed.ncbi.nlm.nih.gov/23827771/">https://pubmed.ncbi.nlm.nih.gov/23827771/</a>
Betamethasone	Effect of corticosteroid ointment on radiation induced dermatitis in head and neck cancer patients: A prospective study	<a href="https://pubmed.ncbi.nlm.nih.gov/33402575/">https://pubmed.ncbi.nlm.nih.gov/33402575/</a>
Betamethasone	Topical betamethasone for prevention of radiation dermatitis	<a href="https://pubmed.ncbi.nlm.nih.gov/17561562/">https://pubmed.ncbi.nlm.nih.gov/17561562/</a>
Betamethasone	Topical Betamethasone Valerate As a Prophylactic Agent to Prevent Acute Radiation Dermatitis in Head and Neck Malignancies: A Randomized, Open-Label, Phase 3 Trial	<a href="https://pubmed.ncbi.nlm.nih.gov/32853709/">https://pubmed.ncbi.nlm.nih.gov/32853709/</a>
Betamethasone	Prophylactic treatment with a potent corticosteroid cream ameliorates radiodermatitis, independent of radiation schedule: A randomized double blinded study	<a href="https://pubmed.ncbi.nlm.nih.gov/27913066/">https://pubmed.ncbi.nlm.nih.gov/27913066/</a>
Difluprednate	Phase 3 Randomized Trial of Topical Steroid Versus Placebo for Prevention of Radiation Dermatitis in Patients With Head and Neck Cancer Receiving Chemoradiation	<a href="https://pubmed.ncbi.nlm.nih.gov/34102298/">https://pubmed.ncbi.nlm.nih.gov/34102298/</a>
Doxepin	Protective effects of doxepin cream on radiation dermatitis in breast cancer: A single arm double-blind randomized clinical trial	<a href="https://pubmed.ncbi.nlm.nih.gov/32040868/">https://pubmed.ncbi.nlm.nih.gov/32040868/</a>
Epigallocatechin-3-gallate (EGCG) solution	Dermatitis in Patients With Breast Cancer Receiving Postoperative Radiotherapy: A Double-Blind, Placebo-Controlled, Phase 2 Randomized Clinical Trial	<a href="https://pubmed.ncbi.nlm.nih.gov/35648426/">https://pubmed.ncbi.nlm.nih.gov/35648426/</a>
film-forming silicone gel (StrataXRT®)	A single-blind, randomised controlled trial of StrataXRT® - A silicone-based film-forming gel dressing for prophylaxis and management of radiation dermatitis in patients with head and neck cancer	<a href="https://pubmed.ncbi.nlm.nih.gov/31445838/">https://pubmed.ncbi.nlm.nih.gov/31445838/</a>
film-forming silicone gel (StrataXRT®)	Reducing Radiation Dermatitis Using a Film-forming Silicone Gel During Breast Radiotherapy: A Pilot Randomized-controlled Trial	<a href="https://pubmed.ncbi.nlm.nih.gov/31882508/">https://pubmed.ncbi.nlm.nih.gov/31882508/</a>

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Hydrocortisone	A randomized, double-blind trial on the use of 1% hydrocortisone cream for the prevention of acute radiation dermatitis	<a href="https://pubmed.ncbi.nlm.nih.gov/26619355/">https://pubmed.ncbi.nlm.nih.gov/26619355/</a>
Methylprednisolone	Topical corticosteroid therapy for acute radiation dermatitis: a prospective, randomized, double-blind study	<a href="https://pubmed.ncbi.nlm.nih.gov/12072066/">https://pubmed.ncbi.nlm.nih.gov/12072066/</a>
Mometasone Furoate	Topical corticosteroid therapy for the prevention of acute radiation dermatitis: a systematic review of randomized controlled trials	<a href="https://pubmed.ncbi.nlm.nih.gov/24164612/">https://pubmed.ncbi.nlm.nih.gov/24164612/</a>
Mometasone Furoate	3M Cavilon No-Sting Barrier Film or topical corticosteroid (mometasone furoate) for protection against radiation dermatitis: A clinical trial	<a href="https://pubmed.ncbi.nlm.nih.gov/23685085/">https://pubmed.ncbi.nlm.nih.gov/23685085/</a>
Mometasone Furoate	Mometasone furoate effect on acute skin toxicity in breast cancer patients receiving radiotherapy: a phase III double-blind, randomized trial from the North Central Cancer Treatment Group N06C4	<a href="https://pubmed.ncbi.nlm.nih.gov/20800381/">https://pubmed.ncbi.nlm.nih.gov/20800381/</a>
Mometasone Furoate	A Randomized Trial of Mometasone Furoate 0.1% to Reduce High-Grade Acute Radiation Dermatitis in Breast Cancer Patients Receiving Postmastectomy Radiation	<a href="https://pubmed.ncbi.nlm.nih.gov/29726361/">https://pubmed.ncbi.nlm.nih.gov/29726361/</a>
Mometasone Furoate	Mometasone furoate cream reduces acute radiation dermatitis in patients receiving breast radiation therapy: results of a randomized trial	<a href="https://pubmed.ncbi.nlm.nih.gov/25585779/">https://pubmed.ncbi.nlm.nih.gov/25585779/</a>
Mometasone Furoate	Potent corticosteroid cream (mometasone furoate) significantly reduces acute radiation dermatitis: results from a double-blind, randomized study	<a href="https://pubmed.ncbi.nlm.nih.gov/11369066/">https://pubmed.ncbi.nlm.nih.gov/11369066/</a>
Mometasone Furoate	Randomized, self-controlled, prospective assessment of the efficacy of mometasone furoate local application in reducing acute radiation dermatitis in patients with head and neck squamous cell carcinomas	<a href="https://pubmed.ncbi.nlm.nih.gov/31876704/">https://pubmed.ncbi.nlm.nih.gov/31876704/</a>
Olive oil	Topical Prevention of Radiation Dermatitis in Head and Neck Cancer Patients: A Network Meta-analysis	<a href="https://pubmed.ncbi.nlm.nih.gov/35478163/">https://pubmed.ncbi.nlm.nih.gov/35478163/</a>
Phytotherapeutic cream (Capilen® cream)	Topical use of phytotherapeutic cream (Capilen® cream) to prevent radiodermatitis in breast cancer: a prospective historically controlled clinical study	<a href="https://pubmed.ncbi.nlm.nih.gov/24566571/">https://pubmed.ncbi.nlm.nih.gov/24566571/</a>
Silver leaf nylon dressing	Silver leaf nylon dressing to prevent radiation dermatitis in patients undergoing chemotherapy and external beam radiotherapy to the perineum	<a href="https://pubmed.ncbi.nlm.nih.gov/15183484/">https://pubmed.ncbi.nlm.nih.gov/15183484/</a>

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Silver sulfadiazine cream	Topical silver sulfadiazine for the prevention of acute dermatitis during irradiation for breast cancer	<a href="https://pubmed.ncbi.nlm.nih.gov/22006502/">https://pubmed.ncbi.nlm.nih.gov/22006502/</a>
Skin Barrier protectant (Cavilon Advanced Skin Protectant)	The Effectiveness of a Novel Skin Barrier Protectant in the Management of Acute Radiation Dermatitis: A Case Series	<a href="https://pubmed.ncbi.nlm.nih.gov/35576439/">https://pubmed.ncbi.nlm.nih.gov/35576439/</a>
sucralfate / copper zinc salts	[Tolerance of the association sucralfate / Cu-Zn salts in radiation dermatitis]	<a href="https://pubmed.ncbi.nlm.nih.gov/18342112/">https://pubmed.ncbi.nlm.nih.gov/18342112/</a>
Topical dressings (Mepilex Lite, Hydrosorb, etc. )	Modern Dressings in Prevention and Therapy of Acute and Chronic Radiation Dermatitis-A Literature Review	<a href="https://pubmed.ncbi.nlm.nih.gov/35745777/">https://pubmed.ncbi.nlm.nih.gov/35745777/</a>
β-sitosterol	Randomized, Prospective, Open-label Phase III Trial Comparing Mebo Ointment With Biafine Cream for the Management of Acute Dermatitis During Radiotherapy for Breast Cancer	<a href="https://pubmed.ncbi.nlm.nih.gov/29889137/">https://pubmed.ncbi.nlm.nih.gov/29889137/</a>