

ROS-Scavenging Nanozyme Combined With Thermotherapy Alleviate Radiation Dermatitis in Patients With Head and Neck Cancer

NCT07086638

Status	RECRUITING
Phase	Not Applicable
Sponsor	West China Hospital
Enrollment	5 participants

Plain Language Summary

This study is testing a new topical treatment that combines a special antioxidant nanoparticle (ROS-scavenging nanozyme) with heat therapy to prevent and treat radiation dermatitis — the painful skin burns that commonly develop during radiation therapy in head and neck cancer patients.

****You may be eligible if...****

- You have been diagnosed with a head and neck cancer (non-metastatic, confirmed by pathology)
- You are scheduled to receive high-dose radiotherapy, either as your primary treatment or after surgery

****You may NOT be eligible if...****

- Your overall health status is poor (ECOG performance status above 2)
- You already have a skin rash, open wound, or ulceration in the treatment area
- You are allergic to trolamine or Prussian blue (components of the treatment)
- You have inflammatory or connective tissue skin conditions
- You have previously received radiation to the head and neck area

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (2)

- Patients with a pathological diagnosis of non-metastatic head and neck malignant tumors;
- Patients deemed suitable for high-dose radiotherapy, either as a primary treatment or as postoperative treatment following surgical resection.

Exclusion (5)

- Eastern Cooperative Oncology Group performance status of ≥ 2 ;
- Pre-existing skin rash, ulceration or open wound in the treatment area;
- Known allergy to trolamine or prussian blue;
- Inflammatory or connective tissue disorder of the skin;
- History of head and neck radiotherapy.

Locations (1 total)

Sichuan University West China Hospital, Chengdu, Sichuan, China

<https://clinicaltrials.gov/study/NCT07086638>

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