

# Novel ROS-scavenging Nanoenzymes for the Treatment of Radiation Dermatitis in Patients With Head and Neck Cancer

NCT07064577

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Status	RECRUITING
Phase	Not Applicable
Sponsor	West China Hospital
Enrollment	30 participants

## Plain Language Summary

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This study tests a nanoenzyme skin cream — tiny engineered particles that neutralize harmful free radicals — as a treatment for radiation dermatitis (a painful skin reaction) in people with head and neck cancer undergoing high-dose radiotherapy.

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

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

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

- You are in poor overall health (ECOG performance status above 2)
- You already have an open skin wound, rash, or ulceration in the area to be treated
- You have an inflammatory or connective tissue skin disorder
- You have previously received radiation to the head or neck area

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

## Key Eligibility Criteria

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### 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 (4)

- Eastern Cooperative Oncology Group performance status of  $\geq 2$ ;
- Pre-existing skin rash, ulceration or open wound in the treatment area;
- Inflammatory or connective tissue disorder of the skin;
- History of head and neck radiotherapy.

## Locations (1 total)

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West China Hospital, Sichuan University, Chengdu, Sichuan, China

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<https://clinicaltrials.gov/study/NCT07064577>

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