

Therapeutic Effects of Zinc Oxide on Wound Area Reduction and Microscopic Healing Parameters in Rabbits

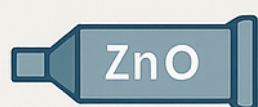
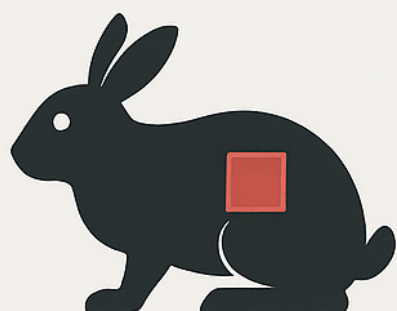
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METHODOLOGY



20% ZnO
once daily



Control
(normal saline)



RESULTS

Reduces inflammation

↑ Improves epithelization

↑ Overall healing better
than control

RESULTS

WOUND AREA

Day 3
1,61 cm²
 $p = 0,00$

Day 7
1,20 cm²
 $p = 0,00$

Day 14
0,56 cm²
 $p = 0,00$

MICROSCOPIC HEALING

- ↑ Neutrophils
- ↓ Macrophages
- ↑ Fibroblasts
- ↑ Epidermal thickness
- ↑ Re-epithelialization

CONCLUSION

- ↑ Zinc oxide
- ↑ Reduces inflammation
- ↑ Better than control

