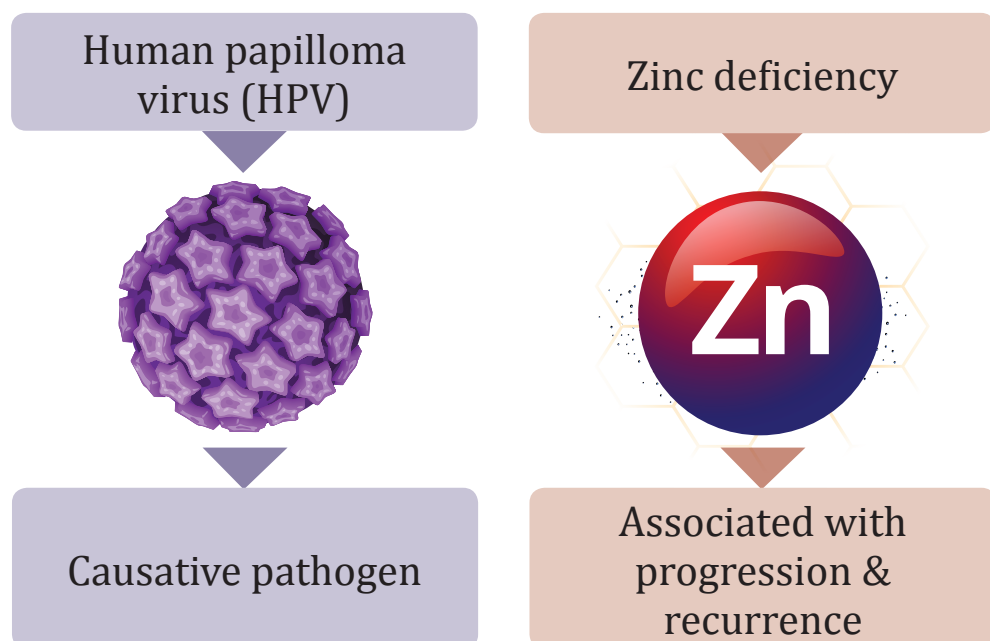


# ORAL ZINC

## Pre-eminent in warts therapy



### ETIOLOGY OF VIRAL WARTS



### RELATIVE RISK OF CUTANEOUS WARTS OCCURRENCE

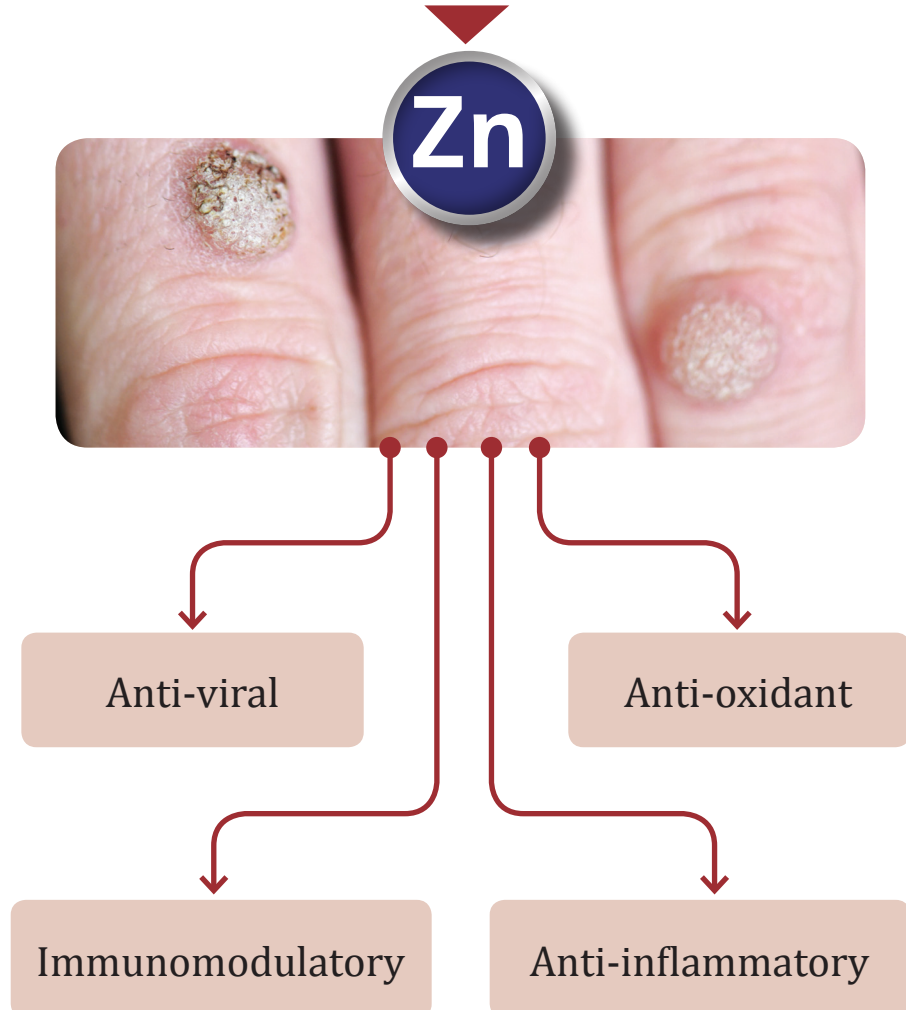


**66%**  
in children



**92%**  
in adults

### POSSIBLE MECHANISM OF ACTION OF ZINC IN VIRAL WARTS



### ORAL ZINC IN VIRAL WARTS



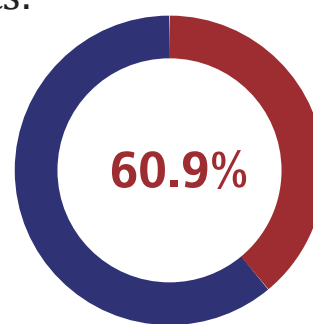
A good treatment option for viral warts



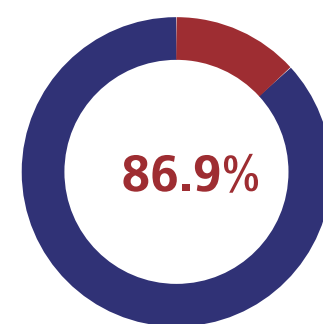
Safe and effective, without important side-effects

### EFFICACY OF ZINC IN CUTANEOUS WARTS

Patients showing complete clearance of recalcitrant warts:



After 1 month of zinc therapy



After 2 months of zinc therapy

**For more information, please consult your doctor today !**

**Sources:** 1. Al-Gurairi FT, Al-Waiz M, Sharquie KE. Oral zinc sulphate in the treatment of recalcitrant viral warts: randomized placebo-controlled clinical trial. *Br J Dermatol.* 2002;146(3):423-31. 2. Brianti P, De Flammineis E, Mercuri SR. Review of HPV-related diseases and cancers. *New Microbiol.* 2017;40(2):80-85. 3. Gupta M, Mahajan VK, Mehta KS, Chauhan PS. Zinc Therapy in Dermatology: A Review. *Dermatology Research and Practice* 2014;Article ID 709152:11 pages. 4. Kombe AJK, Li B, Zahid A, Mengist HM, Bounda GA, Zhou Y, Jin T. Epidemiology and Burden of Human Papillomavirus and Related Diseases, Molecular Pathogenesis, and Vaccine Evaluation. *Frontiers in Public Health* 2021;8:Article 552028. 5. Mun JH, Kim SH, et al. Oral zinc sulfate treatment for viral warts: an open-label study. *J Dermatol.* 2011;38(6):541-5. 6. Raza N, Khan DA. Zinc deficiency in patients with persistent viral warts. *J Coll Physicians Surg Pak.* 2010 Feb;20(2):83-6. 7. Sabry AO, Patel BC. Papilloma. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. 8. Songsantiphap C, Asawanonda P. Topical 15% Zinc Oxide Ointment Significantly Reduces the Size of Common Warts After Four Weeks: A Randomized, Triple-blinded, Placebo-controlled Trial. *J Clin Aesthet Dermatol.* 2019;12(9):26-31. 9. Thappa DM, Chiramel MJ. Evolving role of immunotherapy in the treatment of refractory warts. *Indian Dermatol Online J* 2016;7:364-70.