

Revolutionizing Denture Excellence: An Invigorating In-Vitro Exploration of Organic Products in Prosthetic Rehabilitation



INTRODUCTION:-

- Oral candidiasis: caused by *Candida albicans*.
- Treated with antifungals.
- Risk of reinfection due to poor hygiene



AIMS & OBJECTIVES:-

Evaluate efficacy of organic products (curcumin, piperine, tea tree oil) in heat-cure acrylic resin's antifungal property.



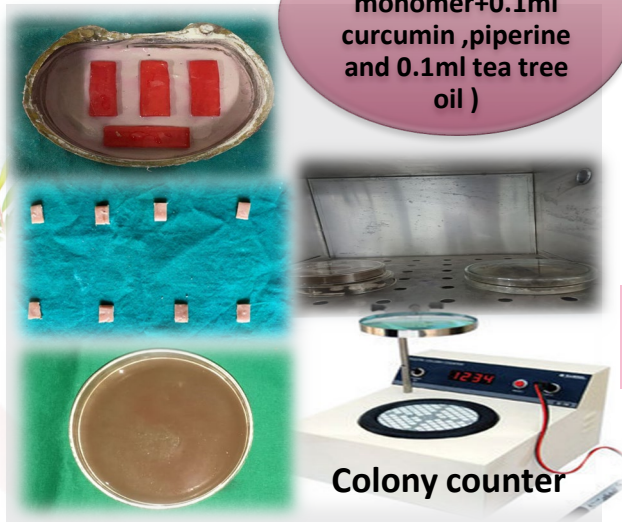
STRENGTH OF THE STUDY :-

- * Prevents & therapy of oral lesion
- * Prevents re-infection of treated lesion
- * Overcome limitation of immersion technique

PROCEDURE:-

- Heat cure acrylic blocks were made using conventional method
- Blocks placed in 1ml of candidal suspension culture plate (24hrs at 37°C)
- Imprinted on Sabouraud dextrose agar culture plate
- Checked for candidal growth & counted using colony counter

P/L - 2.25g P+1ml L (0.8ml monomer + 0.1ml curcumin, piperine and 0.1ml tea tree oil)



Conclusion:-

Incorporating organic products demonstrates remarkable efficacy in combating denture stomatitis and preventing oral infections effectively.

Mean difference		3days – 5 days	48hrs – 5days
Test group	0.98 ± 0.46	0.96 ± 0.13	1.67 ± 0.33
Control group	1.22 ± 0.5	3.28 ± 0.23	4.5 ± 0.79

Acrylic resin with organic products

Control group

