

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



FORMULATION OF MORINGA- LOADED HYDROGEL AND THEIR EFFICACY AS INNOVATIVE PULP CAPPING MATERIAL

Prepared by

Mustafa Tariq Abdul Azeez

B.D.S., M.Sc

Supervised by

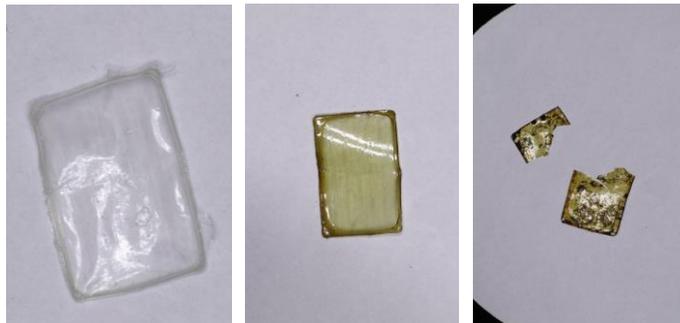
Prof. Anas F Mahdee

B.D.S, M.Sc. (Iraq), PhD (UK)

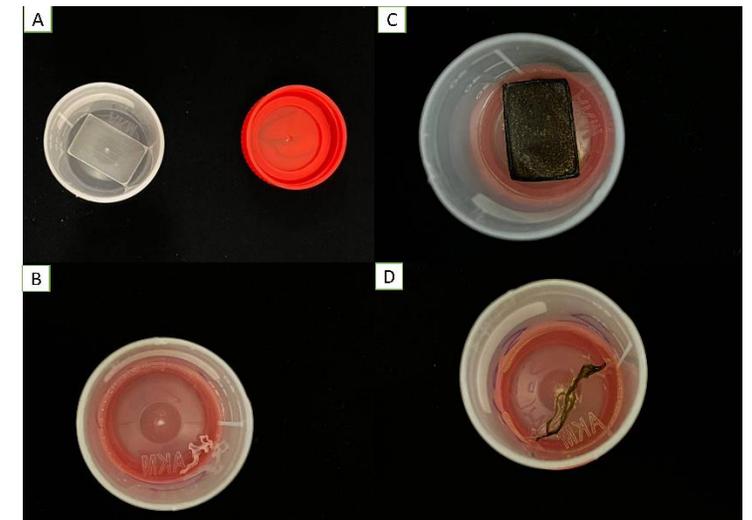
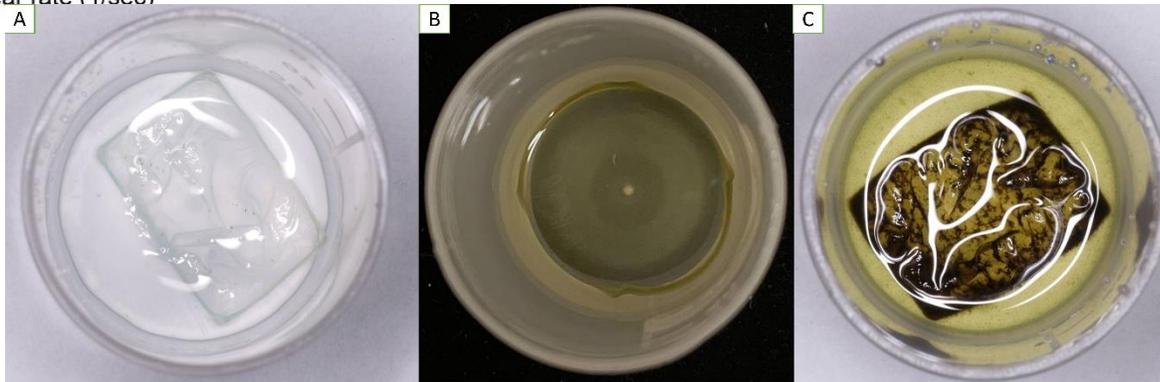
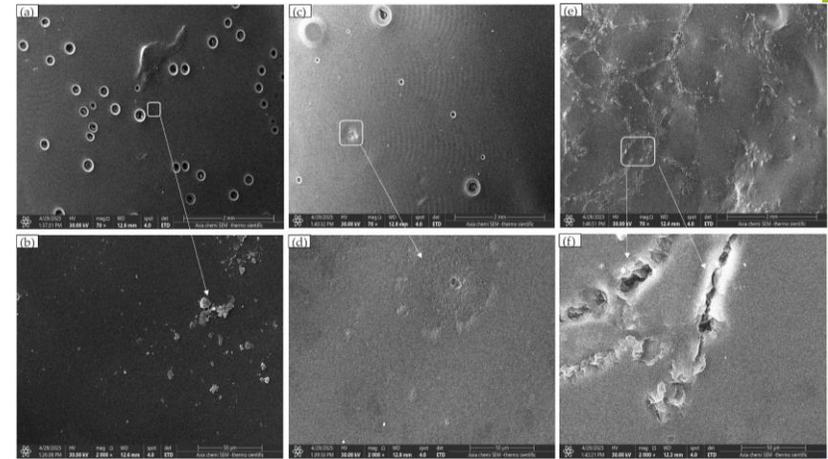
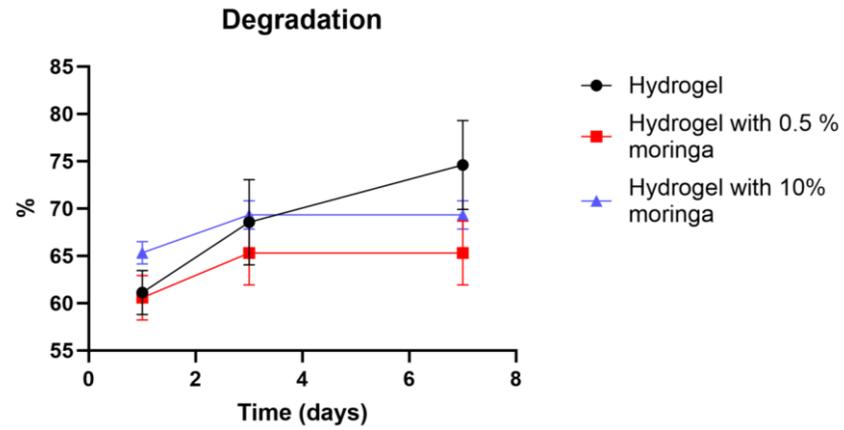
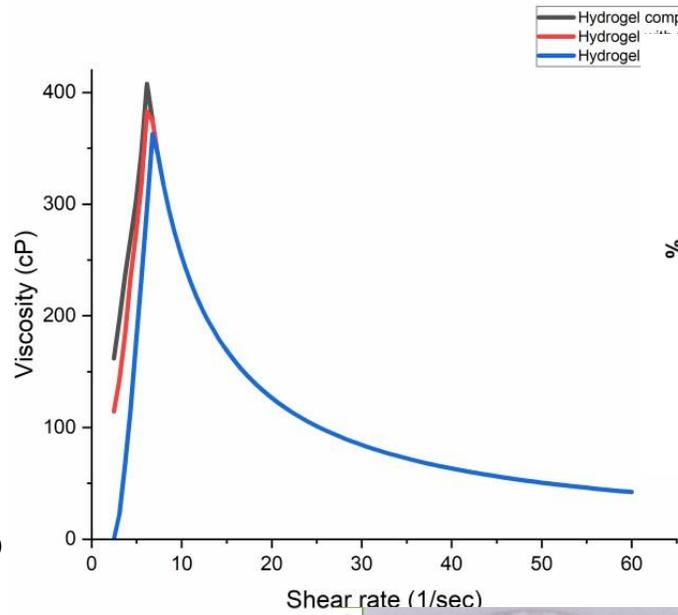
Extraction of moringa and hydrogel formula formation



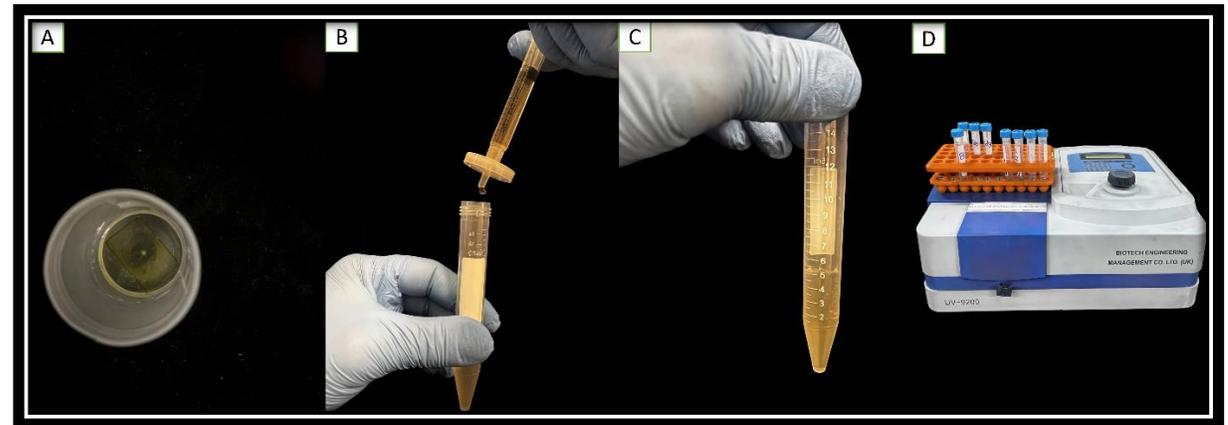
Characterization tests



Characterization tests



Characterization tests





Article



28 September 2025

Characterization of a Hydrogel Composite Containing Bioactive *Moringa* as a Novel Pulp-Capping Material

Mustafa Tariq Mutar and Anas F. Mahdee*

Restorative and Aesthetic Dentistry Department, College of Dentistry, University of Baghdad, Baghdad 10047, Iraq

* Author to whom correspondence should be addressed.

Polymers **2025**, *17*(19), 2626; <https://doi.org/10.3390/polym17192626>

This article belongs to the Special Issue [Drug-Loaded Polymer Colloidal Systems in Nanomedicine III](#)

Publication

fundamental of peri... www.google.com إشعارات سطح المكتب... New Tab ...صانع التغمات الشخ... p - Google Search https://id.apple.com... Delta Search Google Account Re... All Bookmarks



ScienceDirect

Journals & Books

Help

Search

My account

Sign in

View PDF

Download full issue

Outline

Abstract

Keywords

1. Introduction

2. Search strategy

3. Extracted data

4. Classification of pulp capping agents

5. Conclusion

Declaration of competing interest

References

Cite outline



The Saudi Dental Journal

Volume 36, Issue 10, October 2024, Pages 1295-1306



Review Article

Different pulp capping agents and their effect on pulp inflammatory response: A narrative review

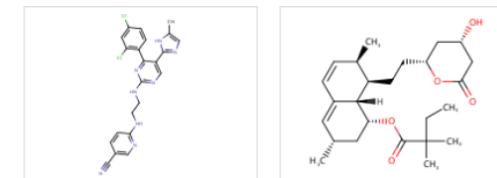
Mustafa Tariq Mutar, Anas F Mahdee

Show more

Add to Mendeley Share Cite

Substances (2)

Generated by Reaxys, an expert-curated chemistry database.



Recommended articles

Impact of printing layer thickness on the flexural strength of...

The Saudi Dental Journal, Volume 36, Issue 1...
Mohammed M. Gad, ..., Neveen M. Ayad

View PDF

Dissertation

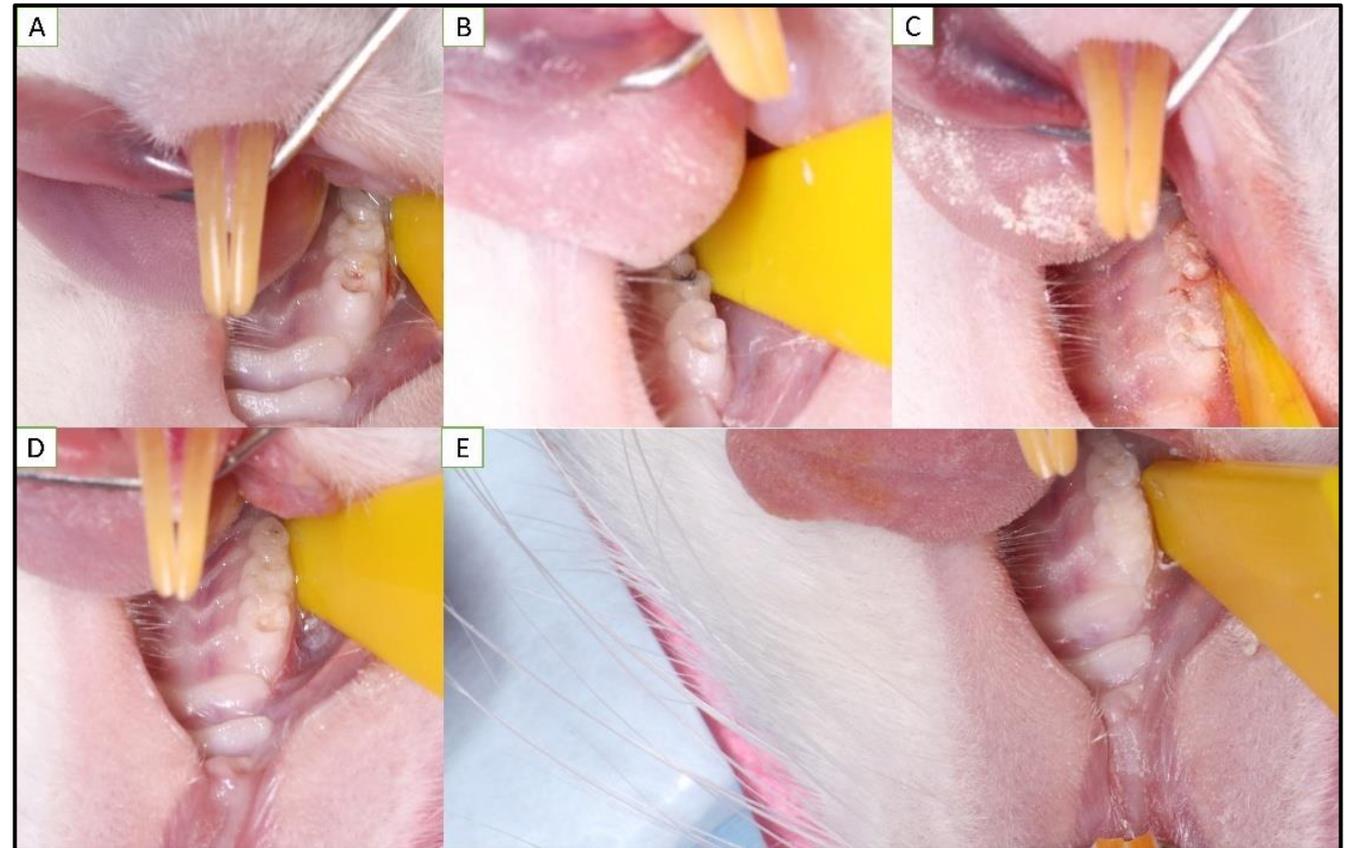
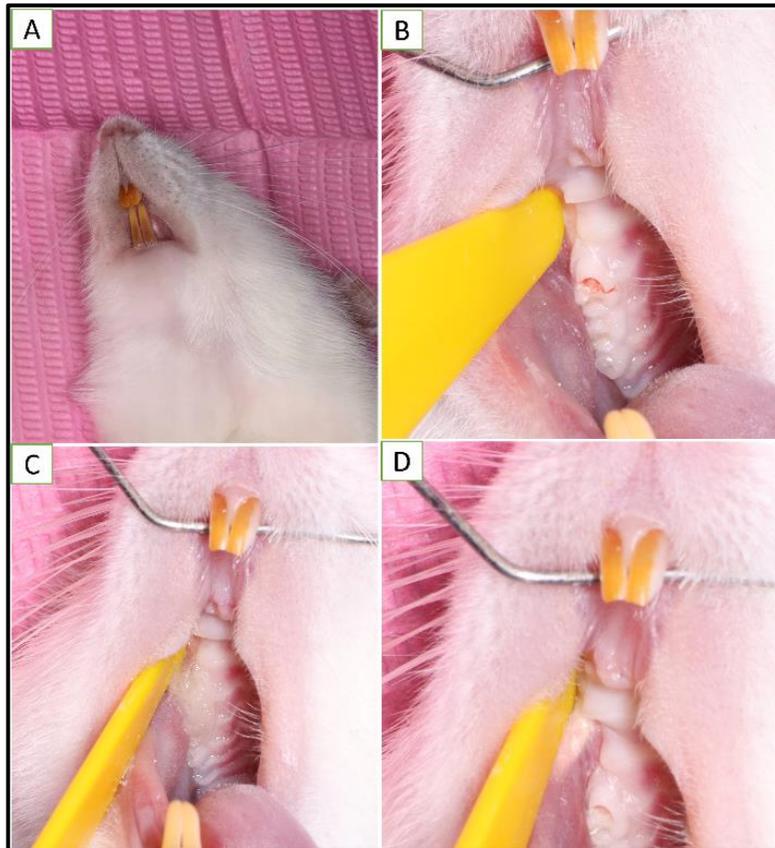
Two chapters were completely written

Review of literature

Methodology

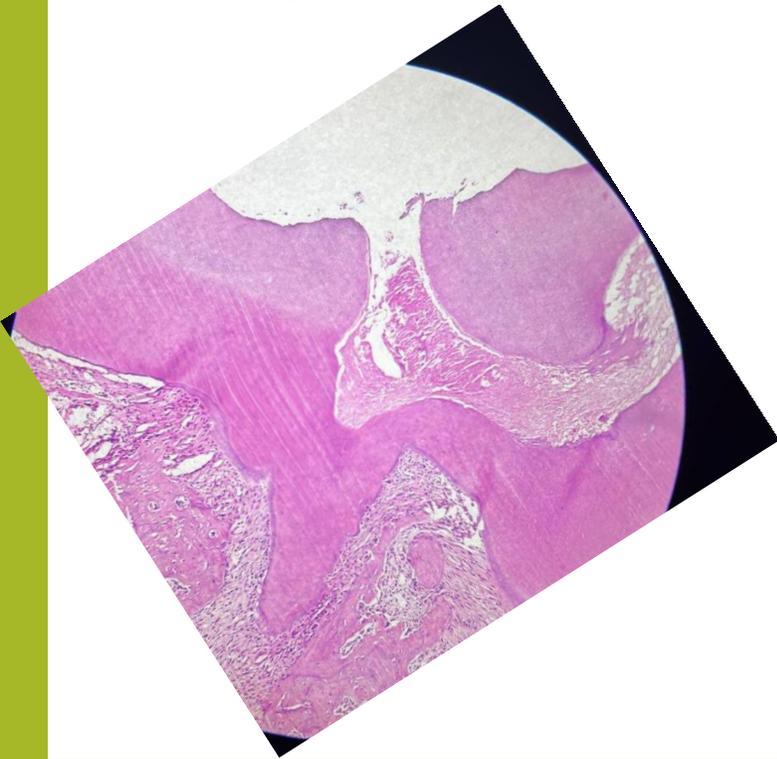
Results of
characterization
were written

Animal study

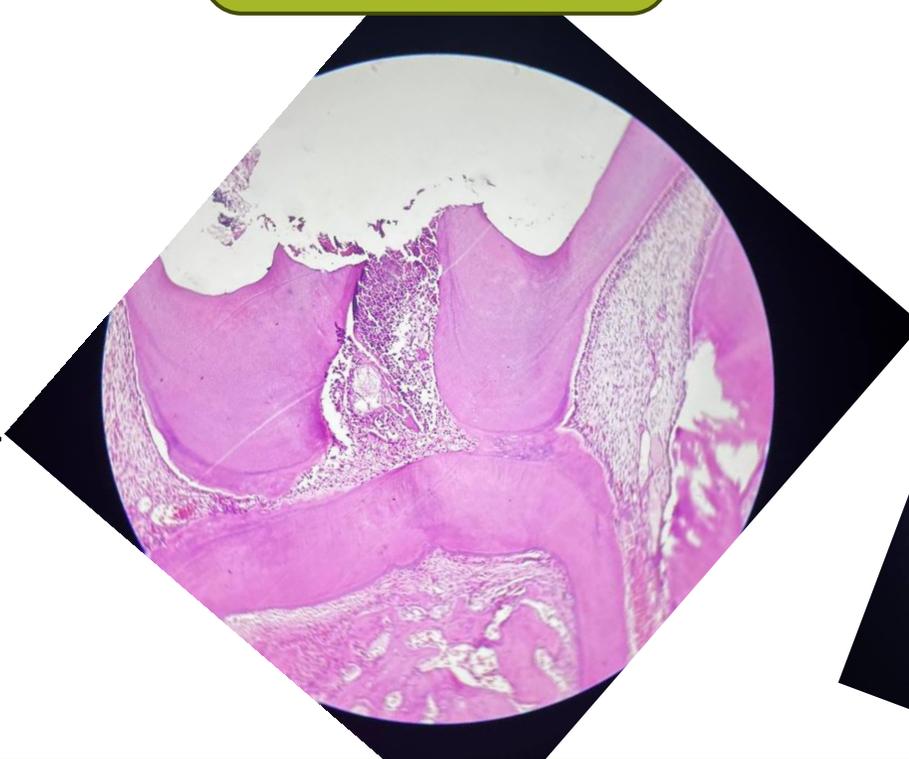


Animal study

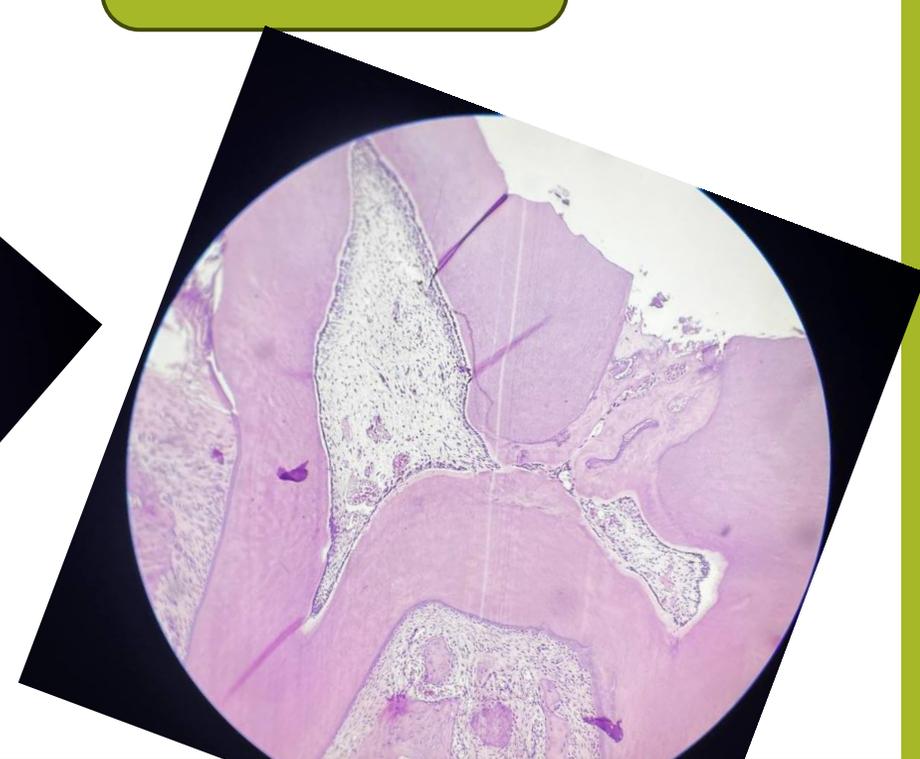
Sponge



Hydrogel

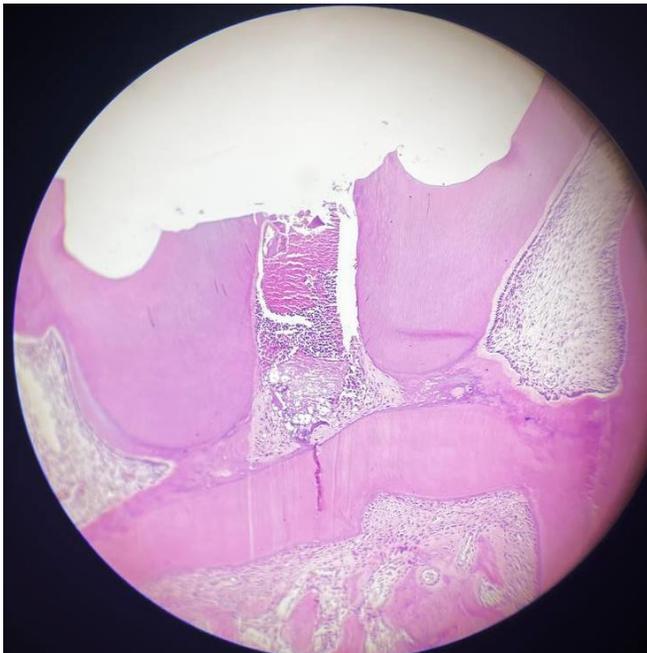


MTA



Animal study

Moringa 0.5 % w/w



Moringa 10 % w/w



Time to finish the work

4 -5 months

Thank
you