



MNR DENTAL COLLEGE AND HOSPITAL

“NAAC ACCREDITED”

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MNR Nagar, Narsapur Road, Fasalwadi, Sangareddy 502294

**E-COPIES OF RECOGNITION LETTERS OF
THE SPECIFIED FULL TIME TEACHERS**

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES, WARANGAL
TELANGANA

ANNEXURE-I

PROFORMA FOR REGISTRATION OF SUBJECT FOR DISSERTATION

1.	NAME OF THE CANDIDATE AND ADDRESS	DR. AIYSHA NUDRATH MNR DENTAL COLLEGE & HOSPITAL, FASALWADI, NARSAPUR ROAD, SANGAREDDY DIST, TELANGANA - 502294
2.	NAME OF THE INSTITUTION	MNR DENTAL COLLEGE & HOSPITAL, MNR NAGAR, SANGAREDDY, TELANGANA - 502294
3.	COURSE OF THE STUDY AND SUBJECT	MASTER OF DENTAL SURGERY (M.D.S) DEPARTMENT OF PERIODONTOLOGY AND IMPLANTOLOGY
4.	DATE OF ADMISSION IN TO COURSE	29/11/2021
5.	TITLE OF THE TOPIC	COMPARATIVE EVALUATION OF EFFICACY OF PLATELET-RICH FIBRIN, BLUE M ORAL GEL (blue m) [®] , AND GELATIN SPONGE (GelSpon) [®] IN EXTRACTION SOCKET PRESERVATION -A CLINICO RADIOGRAPHIC STUDY.
6.	BRIEF RESUME OF INTENDED WORK	The aim of this study is to compare the efficacy of platelet-rich fibrin, blue m (blue m) [®] and gelatin sponge (GelSpon) [®] in extracted socket preservation technique at baseline and 9 months.
7.	INTRODUCTION	Socket preservation is a procedure to preserve hard and soft tissue of the alveolar ridge after extraction. The alveolar process is a tooth-dependent structure, so after the extraction bone loss occurs very rapidly in the initial 6 months, results into the reduction of

MATERIALS AND METHODS

40% of alveolar height, and 60% of alveolar width. Various evidence has proved that the bone loss occurs after extraction and more at the labial side of the alveolar process compared to the lingual or the palatal side.

Platelet rich fibrin (PRF)-a second generation platelet concentrate, which is an improvement over traditionally prepared PRP. It consists of a fibrin matrix polymerized in a tetra molecular structure, with incorporation of platelets, leucocytes, cytokines, and circulating stem cells. PRF in the form of a platelet gel can be used in conjunction with bone grafts, has several advantages, such as promoting wound healing, bone growth and maturation, wound sealing and haemostasis, and imparting better handling properties to graft materials, can also be used as a membrane. a fibrin matrix in which platelet cytokines, growth factors, and cells are trapped and may be released after a certain time and that can serve as a resorbable membrane.

blue m®(Aqua, Alcohol, Glycerin, Silica, Sodium Saccharin, Sodium Perborate, Citric acid, PEG-32, Sodium gluconate, Lactoferrin, Xantham, gum, Cellulose gum). This gel is specially for specific problems in the mouth, intended to improve wound healing by enhancing the levels of oxygen at pockets, bleeding gum, wounds which can result from extraction, implantation, chemotherapy or false teeth. This gel is unique due to the high level of active oxygen, which is important for the healing process of wounds and inflammation.

Gelspon® (Sterile Absorbable Gelatin Sponge) is a water-insoluble, off-white, non-elastic, porous sponge prepared from dried and sterilized porcine skin gelatin. The dried gelatin foam is cut, measured and packed. It has very little tissue reaction, liquefies in the socket and gets fully absorbed. This absorption depends on several factors including the amount used, degree of saturation with blood or other fluids and the site of use. Unlike collagen, the mode of action is related to formation of a mechanical matrix that

facilitates clotting rather than affecting the blood clotting mechanism.

This study, will be carried out in the Department of Periodontology and Implantology, MNR Dental College, Sangareddy, after obtaining informed consent from the patients.

Inclusion Criteria:

- Subjects between the age group of 20 and 55 years, requiring extraction of at least one maxillary or mandibular tooth were included in the study.

Exclusion Criteria:

- Patients with <50% bone loss
- Patients with uncontrollable systemic disease
- Patients with severe parafunctional habits
- Patients with poor maintenance of oral hygiene pregnancy, smokers, or taking any medications that could compromise healing were excluded from the study.

Study design:

The study population of the age group between 20 to 55 years, requiring 24 extraction sockets of maxillary or mandibular tooth were selected in the study randomly grouped into following:

- Scaling and root planning is performed before the procedure, and oral hygiene instruction are given.
- Surgical acrylic resin stents are fabricated using dental casts of all the patients.

1.GROUP A: Application of PRF in the extracted socket is done after cutterage.

2.GROUP B: Application of (blue m)® oral gel in the extracted socket is done after cutterage.

3.GROUP C: Application of gelatin sponge (Gelspon)® is done after cutterage.

Post-operative oral care instructions including were given.

Patients in all the groups are evaluated for the following clinical parameters at baseline and 9 months interval.

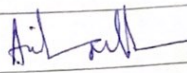
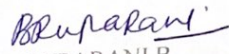
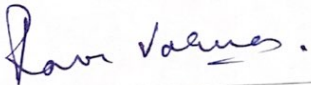

Clinical parameters:

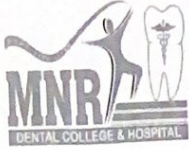
- **Alveolar ridge width** - assessed using cast analysis with the help of acrylic stent and a pair of calipers

Radiographic parameters:

Following parameters are recorded through **CBCT**

1. **Bone height**
2. **Bone width**
3. **Volumetric analysis.**

8.	Does the study require any investigation or interventions to be concluded on patients or other humans or animals?	REQUIRED
9.	Has the ethical clearance been obtained from your institution?	REQUIRED
10.	Signature of the candidate	
11.	Remarks of the guide	
12.	Name and designation of the guide Signature	 Dr. RUPARANI.B Professor Professor Dept. of Periodontics and Implantology M.N.R. Dental College & Hospital SANGAREDDY.
13.	Name and designation of H.O.D Signature	Professor & Head Dept. of Periodontics M.N.R. Dental College & Hospital SANGAREDDY Dr. RUPARANI.B Professor & Head of the Department 
14.	Remarks of the principal Signature and Seal	 Dr. RAVINDHRA SV INCHARGE PRINCIPAL MNR DENTAL COLLEGE & HOSPITAL PRINCIPAL MNR Dental College & Hospital MNR Nagar, Narsapur Road, SANGAREDDY Dist. - 502 294 (T.S.)



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CERTIFICATE FROM THE ETHICS COMMITTEE

Document for Institutional Ethical Committee Clearance

Dated: 28/04/2022

Title: COMPARATIVE EVALUATION OF EXTRACTION SOCKET PRESERVATION WITH PLATELET-RICH FIBRIN, BLUE M ORAL GEL (blue m)[®], AND GELATIN SPONGE (GelSpon)[®].

Name of the Principal Investigator: DR. AIYSHA NUDRATH

Course: MDS (PERIODONTOLOGY AND IMPLANTOLOGY)

Date: 28/04/2022

The above proposal has been reviewed by the MNR Dental College & Hospital Institutional Ethics Committee (IEC) and the committee recommends that the project be:

Approved

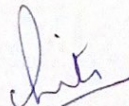
Resubmitted

Rejected

Needs Modifications

NAME OF THE MEMBER	ROLE IN IEC
SRI. ANANTHRAO KULKARNI, LLB	CHAIRPERSON
DR. SUNITHA J.D	MEMBER SECRETARY
DR. VIJETHA BADAMI	SCIENTIFIC MEMBER
DR. K. PAWAN KUMAR	SCIENTIFIC MEMBER
DR. B.RUPA RANI	CLINICIAN
DR. RAVI D MALA	BASIC SCIENTIST
DR. PARVATHEEPATHI	LAYPERSON
MR. KISHAN MOHAN JANARDHAN	SOCIAL SCIENTIST

The PI is required to inform the IEC about annual progress of the study, any serious adverse event, any further revision in the study protocol & informed consent document. At the end of the study, a copy of the final study report should be given.


Secretary

Signature & Seal




Principal

Signature & Seal

PRINCIPAL
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ACKNOWLEDGEMENT

I, AIYSHA NUBRATH, student of PG MDS
PERIODONTICS AND IMPLANTOLOGY (Speciality) of
2021-2022 Admission batch hereby acknowledge that I have gone through the
KNRUHS PG MDS Dissertation Topics of previous 3 years pertaining to my speciality
and the dissertation work titled is not a repetitive work.

I understand that undertaking a repetitive work of dissertations which is
submitted within last 3 years will lead to rejection of my dissertation topic and I need
to submit new synopsis.

Signature of the candidate with date: Aiysha Nubra 2/5/2022

Place: SANGAREDDY

College: MNR DENTAL COLLEGE AND HOSPITAL

“A COMPARATIVE EVALUATION OF DIMENSIONAL ACCURACY OF 4 TYPES OF COMMERCIALY AVAILABLE TYPE IV DIE STONE AFTER 1 HR AND 24 HRS OF DELAYED POURING”- AN IN-VITRO STUDY.

By

Dr. MOHD KALEEMULLAH KHAN

Dissertation submitted to the

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES,
WARANGAL, TELANGANA.**

In partial fulfilment of the requirements for the degree of



MASTER OF DENTAL SURGERY

In the speciality of

PROSTHODONTICS INCLUDING CROWN & BRIDGE

Under the guidance of

Dr. SHREYA COLVENKAR, M.D.S

PROFESSOR

DEPARTMENT OF PROSTHODONTICS INCLUDING CROWN & BRIDGE

MNR DENTAL COLLEGE AND HOSPITAL

SANGAREDDY, TELANGANA.

2020-2023



KALOJI NARAYANA RAO UNIVERSITY OF HEALTH
SCIENCES , WARANGAL ,TELANGANA

CERTIFICATE

Name of the Candidate: **Dr. MOHD KALEEMULLAH KHAN**
Registration Number: **20203108002D**
Period of Registration for Postgraduate Course: **2020- 2023**
Branch: **PROSTHODONTICS INCLUDING CROWN & BRIDGE.**
Institution: **MNR DENTAL COLLEGE & HOSPITAL, SANGAREDDY, TELANGANA.**

Title: **"A COMPARATIVE EVALUATION OF DIMENSIONAL ACCURACY OF 4 TYPES OF COMMERCIALY AVAILABLE TYPE IV DIE STONE AFTER 1 HR AND 24 HRS OF DELAYED POURING"- AN IN-VITRO STUDY.**

Guide: **Dr. SHREYA COLVENKAR, MDS, Professor**
Head of the Department: **Dr. K. PAWAN KUMAR, MDS, Professor & Head.**

This is to certify that this is an original work done and no part of this work was used as basis for obtaining any other degree or publication or part thereof.

Dr. MOHD KALEEMULLAH KHAN

Signature of the candidate

Dr. SHREYA COLVENKAR, MDS

Signature of the Guide

Dr. K. PAWAN KUMAR, MDS

Seal & Signature of the Head

PROFESSOR & HOD
DEPARTMENT OF PROSTHODONTICS
MNR DENTAL COLLEGE & HOSPITAL
SANGAREDDY

Dr. RAVINDRA S V, MDS

Seal & Signature of the Principal

PRINCIPAL
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MNR Nagar, Narsapur Road,
SANGAREDDY Dist.-502 294 (T.S.)

Date: **20/12/2022**

Place: **SANGAREDDY**

COMPARATIVE EVALUATION OF LOW-LEVEL LASER THERAPY AND A MIXTURE OF TOPICAL OINTMENTS IN THE TREATMENT OF RECURRENT APHTHOUS ULCER STOMATITIS: AN EXPERIMENTAL STUDY.

By

Dr. MOHAMMED KHALEEL AHMED

Dissertation submitted to
KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES,
WARANGAL, TELANGANA



In partial fulfillment of the requirement for the Degree of

MASTER OF DENTAL SURGERY

In the specialty of

ORAL MEDICINE AND RADIOLOGY

Under the guidance of

Dr. RAVINDRA SV, MDS

PROFESSOR & HEAD

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

MNR DENTAL COLLEGE AND HOSPITAL

SANGAREDDY - 502294

TELANGANA STATE, INDIA.

2019 - 2022

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH
SCIENCES, WARANGAL**

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Branch : **ORAL MEDICINE AND RADIOLOGY**
Institution : **MNR DENTAL COLLEGE & HOSPITAL**

Title :

**“COMPARATIVE EVALUATION OF LOW-LEVEL LASER
THERAPY AND A MIXTURE OF TOPICAL OINTMENTS IN THE
TREATMENT OF RECURRENT APHTHOUS ULCER
STOMATITIS: AN EXPERIMENTAL STUDY”**

Guide : **Dr. RAVINDRA SV**
Head of the Department : **Dr. RAVINDRA SV**

This is to certify that this is an original work done by and no part of this work was used as basis for obtaining any other degree or publication or part thereof.

Dr. MOHAMMED KHALEEL AHMED

Signature of the candidate


Dr. RAVINDRA SV

Signature of the HOD

Prof & HOD.

**Dept. of Oral Medicine & Radiology,
MNR Dental College & Hospital,
SANGAREDDY**

Date: **23/12/21**

Place: **SANGAREDDY**


Dr. RAVINDRA SV

Signature of the Guide


Dr. RAVINDRA SV

Seal & Signature of Principal

s/c PRINCIPAL
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