

MEGHNA INSTITUTE OF DENTAL SCIENCES

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Mallaram Vill., Varni Road, Nizamabad-503 003. (T.S) Ph : 9505445456

E-mail : info@meghnadentalcollege.ac.in Website : www.meghnadentalcollege.ac.in

Special regards to statistician, **Hari prasad** from Hyderabad for rendering his help in compiling the statistical data and bringing my study to a more presentable form. I would also like to convey my sincere thanks and gratitude to **Central Institute of Plastics Engineering & Technology** (CIPET), Hyderabad for testing my samples and extending its support.

I would also like to thank the **Clinical staff** sister Mamatha, Ravali, laboratory technician and ceramic technician Ram Sudarshan, Dental technician Krishna Prasad and Ranjith for their help and support.

I take this opportunity to convey my deepest gratitude to our beloved **Dr. A.KALYAN CHAKRAVARTHY** M.D.S., Professor &HOD, Vice Principal ., Director of Post Graduate Studies, Principal **Dr. M.Pratap Kumar** M.D.S., Department of Conservative & Endodontics, Meghna Institute Of Dental Sciences, Nizamabad and to **Dr.Ishari K. Ganesh** Garu, Chairman, **Dr.D.P.Uma Magesh** M.D.S., Director of Meghna Institute of Dental Sciences, VELS Institutions for providing me the opportunity to pursue my post graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

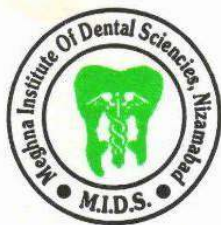
I would also like to express my heartily gratitude to my beloved parents **Mr. L.Indra karan** and **Mrs. Anupama**, my husband **Mr. K.Harith Kumar**, my in-laws and my sister **L.Nitya Sri** for the constant support, sacrifice and motivation that they have extended to me and thoroughly deserve the credit for what I am and for all that I have achieved and accomplished.

Finally I thank God for his bountiful grace throughout my life.

Dr . L.SATYA SRI

VI

Pratap
PRINCIPAL
Meghna Institute of Dental Sciences
MALLARAM (V), NIZAMABAD



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I take this opportunity to convey my deepest gratitude to our beloved Dean & Director of Post Graduate Studies Dr. K. Nanda kumar M D S., & principal Dr. M. Pratap Kumar M D S., Department of conservative & Endodontics, Meghna Institute Of Dental Sciences, Nizamabad and to Dr. Ishari Ganesh Garu, Chairman, VELS Institutions for providing me the opportunity to pursue my post graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

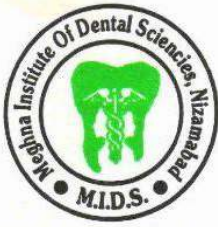
I express my heartfelt gratitude to my parents Smt. Iffath Anjum & Sri. K. N. Ahmed and special thanks to all my family members brothers Mr. Rasheed, Mr. Shahab, Mr. Shahnawaz & sisters Miss. Sharish Fatima, and Miss. Ramsha Fatima for their constant support and sacrifice which they have done for me, they deserve the credit for what I am, and for all what I have achieved.

Finally I thank God for his bountiful grace throughout my life.

Dr. NAZISH FATIMA

VI

Pratap
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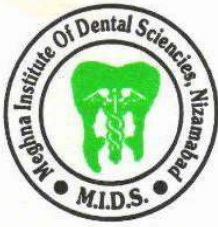
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I express my heartfelt gratitude to my parents **Smt. G. Venkata Lami & Sri G. Anjaiah**, my brother **G. Sandeep** my sister in law **G. Sonika** for the constant support, motivation & sacrifice which they have done for me they deserve the credit of what I am, and for all what I have acheived .

Finally I thank God for his bountiful grace throughout my life.

Dr. NAVEEN KUMAR.G

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Special regards to statistician, **Bhavani keerthi** from Hyderabad for rendering her help in compiling the statistical data and bringing my study to a more presentable form. I would also like to convey my sincere thanks and gratitude to **Central Institute Of Plastics Engineering And Technology(CIPET)**, Hyderabad for testing my samples and extending its support.

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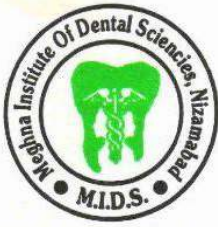
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I thank the Almighty for his bountiful grace throughout my life.

Dr. K SAMULYA

Pratap
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Meghna Institute of Dental Sciences
MALLARAM (V), NIZAMABAD

Prasad
PRINCIPAL
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केन्द्रीय रेशम बोर्ड

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DATE : 09.02.2022

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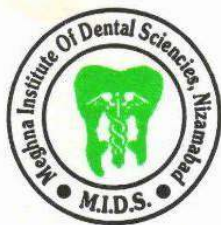
This is to certify that Ms.S.Kavya, Post Graduate Trainee in the Department of Prosthodontics from MEGHNA INSTITUTE OF DENTAL SCIENCES Mallaram, Nizamabad has tested for change in colour parameters using spectrophotometer on 09.02.2022

DR. M.A. JOSEPH, M.Sc., Ph.D.

DR. M.A. JOSEPH, M.Sc., Ph.D.
Dentist - II / Specialist-D

Head of the Department, Department of Prosthodontics
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OPPOSITE BALANAGAR POLICE STATION, HYDERABAD, TELANGANA, INDIA, 500042.

CERTIFICATE

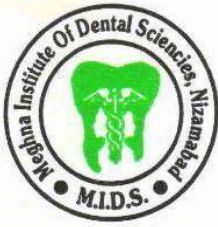
This is to certify *Dr. B Neha*, pursuing IIIrd year MDS in the Meghna Institute of Dental Sciences, Nizamabad, has successfully completed Water Absorption test in our Laboratory (Virtue Meta - Sol, Balanagar, Hyderabad) which is required for her study title "Comparative Evaluation of water absorption of heat cure polymerized PMMA denture base resins reinforced with different concentrations of zinc oxide and aluminum oxide nano particles - An Invitro Study".

Authorized Signatory



D. Sampath Kumar - Proprietor

Pranab
PRINCIPAL
Meghna Institute of Dental Sciences
Nizamabad



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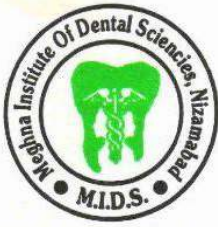
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Finally I thank God for his bountiful grace throughout my life.

Dr. MOHD. JALALUDDIN RASHEED

Pratap
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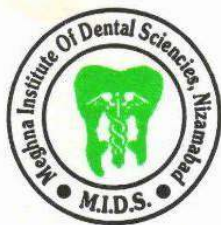
I would like to specially thank and express my gratitude to the late Dr. G. Sudhir, MDS without whom I wouldn't have completed my post graduation with such enthusiasm, hard work and dedication.

I would also like to specially mention few people who always helped and guided me throughout, Dr. Ganesh Kulkarni, MDS, Dr. Parappa Sajjan, MDS, Dr. Chetan Kumar, MDS, Dr. Venkatesh, MDS, Dr. Riyaz, MDS, Dr. Vignanand MDS, Dr. Seena Naik, MDS, Dr. Sai Chand, MDS, Dr. Karthik, MDS, Dr. Vengal Rao, MDS, Dr. Praveen MDS, Dr. Hema Chandra MDS, Dr. Sarvabowma, MDS, Praneeth Sir, Dr. Surya MDS, Dr. Shanthi MDS, Dr. Rahul MDS, Dr. Mamatha, MDS, Aditya, Vineetha, Ravi Shankar, Prathik, Dinakar, Tejaswee, Uma, Rohith, my juniors, my patients, Ganga Reddy, Naga Jyothi, Rajeshwari, security Das, Somesh.

Finally I thank God for his bountiful grace throughout my life.

DR. BOMMAREDDY RADHA GEETHIKA

Radha
PRINCIPAL
Meghna Institute of Dental Sciences
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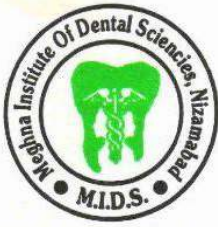
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Dr.K.SAIKRISHNA

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OPPOSITE BALANAGAR POLICE STATION, HYDERABAD, TELANGANA, INDIA, 500042.

CERTIFICATE

This is to certify *Dr. S. Srujana*, pursuing III-year MDS in the Meghna Institute of Dental Sciences, Nizamabad, has successfully completed Fracture Resistance in our Laboratory (Virtue Meta - Sol, Balanagar, Hyderabad) which is required for her study title "Comparison of Different Intraorifice Barriers on Fracture Resistance of Endodontically Treated Teeth - An Invitro Study".

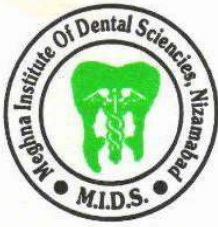
Authorized Signatory



D. Sampath Kumar - Proprietor

Virtue Meta-sol

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I am extremely thankful to **Dr. BHAVANI KEERTHI, M.D.S;**
Biostatistician for doing the necessary statistical analysis of my
study.

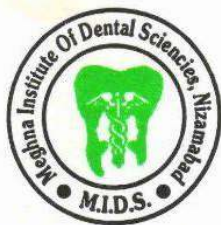
I would also like to convey my sincere thanks to the **Central
Institute Of Plastics Engineering And Technology, Hyderabad,**
for their extended support for allowing me to utilize the Universal
testing machine to complete my study.

I would like to thank **Dr. Syed Muzzamil Ali, Endodontist
(Abu Dubai),** for arranging material for my study, which makes my
study possible.

I would like to acknowledge my deep sense of gratitude to
my beloved parents **Mr. RAMA SWAMY and Mrs. SAMBA LAXMI,**
my siblings, **Mr. & Mrs. NARESH,** my mother in law **Mrs. LAXMI
LOKINI,** for their innumerable sacrifices, patience, love and
understanding without whose support my dream would not have
been fulfilled.

It is my privilege to thank my better half **Mr. RAGHU LOKINI**
for his constant support and encouragement throughout my post
graduation period.

Pratibha
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I would like to thank and express my profound gratitude to **Dr Laxman** M.D.S., Senior lecturer, Department of Periodontics and Implantology, Meghna Institute of Dental Sciences, Nizamabad, for being available all the time and helping me get up whenever I stumbled.

I would also like to convey my deepest gratitude to **Dr Manaswini** M.D.S and **Dr Pavani** M.D.S for their constant help, moral support and timely suggestions.

I would like to thank my previous HOD **Dr James Manohar** for his help and support.

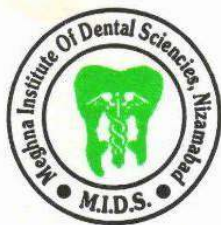
It's a great pleasure to acknowledge the contributions made by my post graduate colleagues **Dr Vivek**, **Dr Naresh**, **Dr Vijay**, **Dr Sindhu**, **Dr Apoorva**, **Dr Srinu**, **Dr Asma Naaz**, **Dr Pratyusha**, **Dr Tarani**, **Dr Sowjanya**, **Dr Sadaf** and **Dr Vijender** without whom the dissertation would not been successful.

It would also like to thank the clinical staff sister **Monika** and sister **Laxmi**.

My special thanks to **Dr Kishore G Bhatt**, Prof. and Head, Department of Microbiology, Director, Department of Molecular Biology and Immunology, Maratha Mandal's NGH Institute of Dental Sciences and Research Centre, Belgaum, Karnataka., and his assistant **Dr Rani**.

Special regards to statistician, **Nazeer** for rendering his help in compiling the statistical data and bringing my study to a more presentable form.

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I am greatly thankful to **Dr. M. PRATAP KUMAR, M.D.S.**, Professor, HOD, Department of Conservative Dentistry and Endodontics, Meghna Institute of Dental Sciences, Nizamabad who supported and guided me a lot throughout my post graduation and helped me in completion of my thesis through critical evaluation of manuscript and timely suggestions.

I also express my profound and heartfelt thanks to **DR.NANDAKUMAR, M.D.S.**, Professor, **Dr.P.SAMBASHIVA RAO, M.D.S.**, **Dr. M.VINUTHNA, M.D.S.** Senior lecturer, **Dr. VENKAT RAMAN, M.D.S.** Senior lecturer for their constant help, moral support and timely suggestions.

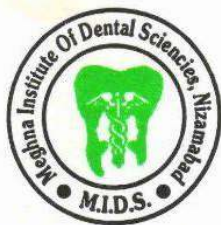
It's a great pleasure to acknowledge the contributions made by my post graduate colleagues **Dr.K.Supriya**, **Dr. Ch.Praveen**, **Dr. Mayuri Sailaja**, **Dr.Preethi Badam**, **Dr. Abhishek Rajgopal Rao**, **Dr. Amena Siddiqua**, **Dr.J. Deepa**, **Dr. Raheel Mujtaba**, **Dr.Gayathri Devi Vavilala**, **Dr.Soumya Kotha**, **Dr.Vasantha Manupati**, **Dr.Likitha Chaga**, **Dr.Amani Kacham**, **Dr. Kousalya Rao. J** and the clinical staff sister **Pratibha**, **Shobha** laboratory technician **K.Vijay kumar** for their help and support.

I am extremely thankful to **Dr. Francis Prathyusha, M.D.S.**, for helping to get NeoMTA Plus cement.

I am extremely thankful to **P.Bhavani Keerthi, M.D.S.** Biostatistician for doing the necessary statistical analysis of my study.

I would also like to convey my sincere thanks to **J.Maruthi Garu**, Department of Physics, **OSMANIA UNIVERSITY, Hyderabad.** for his extended support for allowing me to utilize the UV-SPECTROPHOTOMETER

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I am grateful to **Dr. P.SAMBASHIVA RAO, M.D.S,** Professor; for showing me the path to follow and guiding me throughout my postgraduation course.

I would like to thank **Dr. L. KARTHIK, M.D.S, Reader,** **Dr. M. VINUTHNA, M.D.S,** senior lecturer and **Dr. VENKAT RAMAN M.D.S,** senior lecturer for their constant help, moral support and timely suggestions.

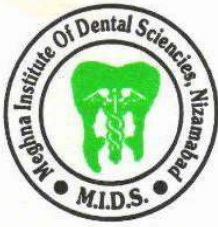
It's a great pleasure to acknowledge the contributions made by my post graduate colleagues **Dr. PRAJWALITH** and **Dr. DEEPA,** my respected seniors **Dr. MAYURI, Dr. SUPRIYA, Dr. PRAVEEN, Dr. AMENA, Dr. PREETHI, Dr. ABHISHEK** and my dear juniors **Dr VASANTHA, Dr. GAYATHRI, Dr. SOWMYA, Dr. LIKITHA, Dr. AAMANI, Dr. KOUSALYA.**

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I am extremely thankful to **Dr. BHAVANI KEERTHI, M.D.S;** Biostatistician for doing the necessary statistical analysis of my study.

I would also like to convey my sincere thanks to the entire team of Department of Analytical and structural chemistry, Indian Institute of Chemical Technology, Hyderabad, for their extended support for allowing me to utilize the inductively coupled plasma-optical emission spectrometer Machine to complete my study.

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Dr. RAJASEKHAR M.D.S, Senior Lecturer for his patience and timely inputs that helped me carry my study forward.

Dr. K. SOWMYA, M.D.S, My Senior and Senior Lecturer for mentoring through my ups and downs and for being a constant pillar of support. Ever thankful for all the patience, love and scrutiny. Thank you for having unfathomable faith in my capabilities which kept me walking through all my difficulties.

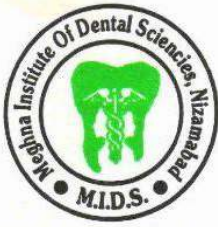
I also express my profound and heartfelt thanks to

Dr. J. DEEPA, M.D.S, Senior Lecturer, Dr. VENKAT RAMAN, M.D.S, former Senior Lecturer, Dr. L. KARTHIK, M.D.S, former Reader, Dr. G. MOUNIKA, M.D.S Senior Lecturer for their valuable and constant moral support.

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Dr., Dr.S.Abhishek, Dr. B.Preethi, Dr.Ameena Siddiqua, Dr. J.Deepa, Dr. Prajwalith Reuben, Dr. Mir Raheel Mujtaba, and my juniors Dr.J. Sai Kousalya, Dr. Amani. K, Dr.Likhitha.C, Dr. Srinivas Nayak, Dr. Likhitha.T, Dr.Srujana. S, and the clinical staff sister **Shoba** and **Sunitha**, laboratory technician **K.Vijay Kumar** for their help and support.

I am extremely thankful to **Dr. Bhavani Keerthi, M.D.S**; Biostatistician for doing the necessary statistical analysis of my study.

I would also like to convey my sincere thanks to **Dr. Ravi MD Pathologist**, in **PRATHIBHA SUPER SPECIALITY HOSPITAL** for their extended support for allowing me to utilize the Pathology lab to complete my study. A special mention for **Mr. Farooq**, Technician-in-charge, and his assistants.

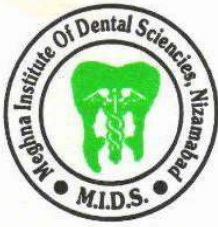
I would like to acknowledge my deep sense of gratitude to my beloved parents **Late Mr.K. Laxman** and **Mrs.K.PUSHPA LATHA**, my father in law **Mr.Daram Sailoo**, and mother in law **Mrs.D.Suguna** and my brother **Mr. K. Shrikanth Advocate** for their innumerable sacrifices, Patience, love, and understanding without whose support my dream would not have been fulfilled.

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Above all, I thank Almighty **God** for His bountiful grace throughout my life.

DR K.SOWMYA

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I would like to extend my appreciation to **Lucid laboratories,** **balanagar, Hyderabad, Telangana** for providing me the inductively coupled plasma spectrometer and Statistician **Mr. Nazeer** for doing the statistical analysis of my study.

I take this opportunity to convey my deepest gratitude to our Dean **Dr.K. Nandakumar** M.D.S Professor and HOD, Department of Conservative Dentistry and Endodontics and to our Principal **Dr.M.PratapKumar** M.D.S Professor, Department of conservative Dentistry and Endodontics, Meghna Institute of Dental sciences, Nizamabad and to **Dr.Ishari K.Ganesh Garu**, Chairman, VELS Institutions for providing me the opportunity to pursue my post-graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

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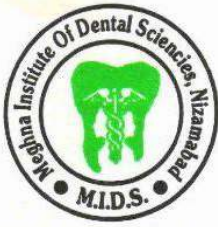
Date: 28/11/2018

Place: Nizamabad

M. Srikanth
Signature of the candidate

Dr. MITTAPELLY SRIKANTH.

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MATERIAL SOLUTIONS

SHOP No:6&7, GROUND FLOOR, SMR VINAY CAPITOL,

OPPOSITE BALANAGAR POLICE STATION, HYDERABAD, TELANGANA, INDIA. 500042.

CERTIFICATE

This is to certify *Dr. Sai Sankalp B*, pursuing IIIrd year MDS in the Meghna Institute of Dental Sciences, Nizamabad, has successfully completed Shear Bond Strength in our Laboratory (Virtue Meta - Sol, Balanagar, Hyderabad) which is required for his study title "Comparative Evaluation of two step bonding system and conventional bonding system on shear bond strength of orthodontic brackets - An Invitro Study".

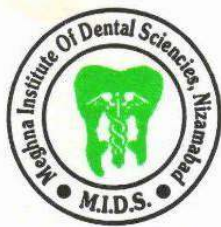
Authorized Signatory



D. Sampath Kumar - Proprietor

Virtue Meta-sol

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I would also like to thank my post graduate colleagues, Dr. R.Ravi and Dr. S.Sharanya and my juniors Dr. Sandeep Adika, Dr. V.Rajashekar Reddy, Dr. M.Lahari Reddy, Dr. B.Sneha, Dr. K.Ravikanth, Dr. M.Srikanth for their timely support and encouragements for this dissertation work.

I am extremely thankful to my microbiologist Mr.Vamshi for doing the necessary microbiological study & SEM analysis of my study.

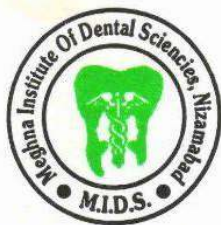
It is with utmost sincerity that I would like to extend my appreciation to Mr.Srinivas Director, Avenir BioTech, Nallakunta, Hyderabad. I would like to thank him for helping me procuring the materials required for my thesis study.

An institution is known for its kind of infrastructure. I take this opportunity to convey my deepest gratitude to our Dean Dr.K.Nanda Kumar M.D.S Professor and HOD, Department of Conservative Dentistry & Endodontics and to our Principal Dr.M.Pratap Kumar M.D.S Professor, Department of Conservative Dentistry & Endodontics, Meghna Institute of Dental Sciences, Nizamabad, and to Dr.Joshi K Ganesh Garu, Chairman, VELS Institutions for providing me the opportunity to pursue my Post Graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

Before concluding, I would like to bow my head before the ALMIGHTY GOD for blessing me with this wonderful life and guiding me throughout.

Dr. NUNUSAVATH RAMESH

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Let me at this juncture, pen down my deepest gratitude to all my teachers, Dr. B. Santosh Reddy M.D.S, Reader, Dr. Azharuddin M.D.S, Sr. Lecturer, Dr. Ibtisam Shaik M.D.S, Sr. Lecturer, for their constant help, moral support and timely suggestions.

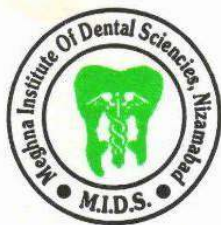
Any work of this kind is very difficult to complete without getting a helping hand from people around us. I like to appreciate the help and support extended to me by my post graduate seniors Dr. P. Madhav Naik, Dr. Mrinal Bidri, Dr. Divya & colleagues Dr. Ramesh, Dr. Sharanya and my juniors Dr. Sandeep, Dr. Rajashekar, Dr. Lahari, Dr. Sneha, Dr. Ravikanth and Dr. Srikanth without whom this dissertation would have not been successful. I also thank my patients for cooperating in my study.

I sincerely thank my statistician Dr. Mallikarjun Shetty for doing the statistical analysis of my study.

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I take this opportunity to convey my deepest gratitude to our Dean Dr. K. Nanda Kumar M.D.S Professor and HOD, Department of Conservative Dentistry and Endodontics, and to our Principal Dr. M. Pratap Kumar M.D.S Professor, Department of Conservative Dentistry and Endodontics, Meghna

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Rajashakar, Dr. Tejasvi, Dr. Neha, Dr. Praveen, Dr. Vishnupriya, Dr. Shilpa and Dr. Kamesh, without whom this dissertation would have not been successful. I also thank my patients for cooperating during my study.

I would like to extend my appreciation to M.S.M.E testing center, Sanathnagar, Hyderabad, Telangana, for providing me the Universal testing machine, Statistician Mr. Nazeer for doing the statistical analysis of my study.

I take this opportunity to convey my deepest gratitude to our Dean Dr. K. Nanda kumar, M.S. Professor and HOD, Department of conservative Dentistry and Endodontics and to our Principal Dr. M. Pratap Kumar, M.S. Professor, Department of Conservative Dentistry and Endodontics, Meghna Institute of dental sciences, Nizamabad and to Dr. Ishani K.Ganesh Garu, Chairman, VELS Institutions for providing me the opportunity to pursue my post-graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

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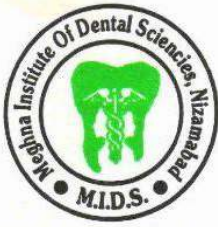
Date:

Place:

Signature of the candidate

Dr. SNEHA BIRLANGI.

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Client : DIRECT

Patient Name : RADHA

Age/Gender : 26 years / Female

Phone :

Ref. Dr. : Manoj Kumar.P .MDS

Req. No : 492109250800

Sample Type : SERUM

Registered On : 20 Sep 2021 05:12 PM

Collected On : 21 Sep 2021 06:38 PM

Reported On : 21 Sep 2021 07:31 PM

Clinical Biochemistry

Proteins Total, Serum

| Test Name | Observed Values | Units | Biological Reference Intervals |
|-----------|-----------------|-------|--------------------------------|
|-----------|-----------------|-------|--------------------------------|

| | | | |
|-------------------|-----|------|-----------|
| Total Protein | 6.9 | g/dL | 6.6 – 8.3 |
| (Method : Biuret) | | | |

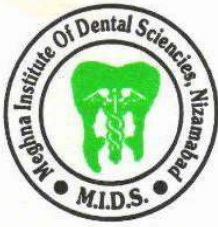
Reference:

Beckman Kit literature

*****End of Report*****

Dr.Praveena MD
Consultant Pathologist

Praveena
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Dr. A. SUMAN KUMAR

MBBS (OSM) MD (Path.) NIMS

☎: 229011
321555

NAME : NARESH

No : 71

SEX/AGE : Male / 30 Year

REF BY : Dr. NIKHIL

DATE : 16-Sep-2022

Department of Haematology

| <u>Investigation</u> | <u>Result</u> | <u>Normal Ranges</u> |
|------------------------------|---------------|------------------------|
| Haemoglobin | : 15.2 gm/dl | Male : 13 - 17 gm/dl |
| (Cynameth Hemoglobin Method) | 95 % | Female : 12 - 15 gm/dl |

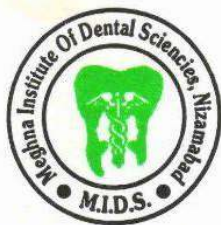
E.S.R

I Hour : 05 mm

Blood Group : "B"

Rh Typing (Anti-D) : "POSITIVE"

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I heartily thank to my co-pgs Dr. Mahesh and Dr. Neha, and my juniors, Dr. Vindhya, Dr. Tejaswi, Dr. Saritha for their cooperation and support.

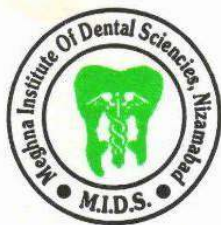
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I express my deepest gratitude and heartfelt thanks to my husband Dr. Kiran Madhala for his constant source of inspiration and support throughout my Post graduation.

I do not have words to thank God-Almighty, who has been there with me in the journey of my life.

Finally I thank my Parents and my daughter for bountiful grace throughout my life.

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It's a great pleasure to acknowledge the contributions made by my post graduate seniors and colleagues Dr. Mahesh, Dr. Haritha.B, Dr. Saritha.V, Dr. Vinidhya, my juniors, Dr. Bushra, Dr. Deepthi, and Dr. Divya Gayathri, without whom the dissertation would not been successful.

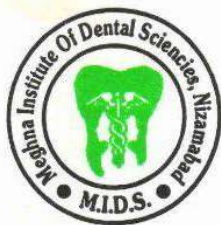
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It would be unfair on my part if I do not mention my parents and family for their constant support through my ups and downs and encouraging me throughout my educational journey.

Finally, I thank God for his beautiful grace throughout my life.

Dr. TEJASWEE

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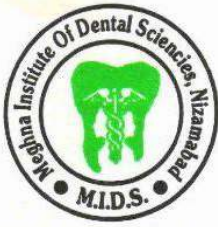
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It would be unfair on my part if I do not mention my parents **Dr. N. Venkateshwara Prasad**, **N. Radhika** and my younger brother **Dr. N. Sai Chakra** and family members and friends **K. Vishal** and **R. Tharun** for their constant support through my ups and downs and encouraging me throughout my educational journey. I would like to thank my fiancé **Miss Ashwini** and my in laws for their emotional support. I also thank my roommate **Dr. M. K. Younusiddin** for his advisory whenever I needed the most.

Finally, I thank God for his bountiful grace throughout my life.

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I would like to thank my patients and assistants for being cooperative during my study.

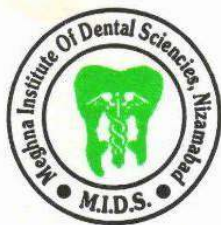
I am extremely thankful to my statistician Dr. Mohan Raj for doing the necessary statistical analysis of my study.

My special thanks to Department of Blood Bank, Government Medical Hospital, Nizamabad for allowing me to store serum sample and taking care of the samples throughout my study.

My special thanks to Dr. Ramachandra Rao, Director of BIOGNOSIS diagnosis benchmarked, NABL accredited lab in Molecular & Hematology, Hyderabad, for guidance and help in doing ELISA analysis.

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I would like to thank and express my whole hearted gratitude's to **Dr. Laxman**, Senior Lecturer, Meghna Institute of Dental Sciences, Nizamabad, for being all the time and helping me to get up whenever I stumbled

I am also thankful to **Dr. James Manohar**, **Dr. S. Harikrishna Reddy** and **Dr. Ravinder Reddy**.

My special thanks to my postgraduate colleague, **Dr. G. Sindhu** and **Dr. S. Srinu**. I also thank to my seniors **Dr. Praveen**, **Dr. Mansi**, **Dr. Shilpa**, **Dr. Shiraz**, **Dr. Atif** and **Dr. Vijay** and my juniors **Dr. Vivek**, **Dr. Naresh kumar**, **Dr. Chandana**, **Dr. Asma Naaz**, **Dr. Prathyusha. J** and **Dr. Tarani Kulkarni** for timely support and encouragements for this dissertation work.

I would like to thank my patients and assistants for being cooperative during my study.

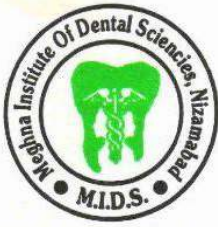
I am extremely thankful to my statistician **Dr. Mohan Raj** for doing the necessary statistical analysis of my study.

My special thanks to **Department of Blood Bank, Government Medical Hospital**, Nizamabad for allowing me to store serum sample and taking care of the samples throughout my study.

My special thanks to **Dr. Ramachandra Rao**, Director of BIOGNOSIS diagnosis benchmarked, NABL accredited lab in Molecular & Hematology, Hyderabad, for guidance and help in doing ELISA analysis.

I take this opportunity to convey my deepest gratitude to **Dr. Ishari K Ganesh Garu**, Chairman, VELS Institutions. I sincerely thank to **Dr. K. Nanda Kumar**, M.D.S Dean, Professor and Head, Department of Conservative

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Sankeertana, Roja without whom the dissertation would not be successful.

My special thanks to Dr. Kishore G Bhatt, Prof. and Head, Department of Microbiology, Director, Department of Molecular Biology and Immunology, Maratha Mandal's NGH Institute of Dental Sciences and Research Centre, Belgaum, Karnataka, and his assistant Dr. Rani.

Special regards to the statistician, Mohan raj for rendering his help in compiling the statistical data and bringing my study to a more presentable form.

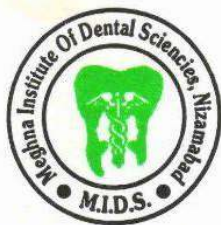
My special thanks to Blood Bank, Government Medical College Nizamabad for allowing me to store saliva and GCF samples and taking care of the samples throughout my study.

I take this opportunity to convey my deepest gratitude to our beloved principal Dr. M. Pratap Kumar M.D.S., Department of conservative & Endodontics, Meghna Institute Of Dental Sciences, Nizamabad, and to Dr. Ishari Ganesh Garu, Chairman, VELS Institutions for providing me the opportunity to pursue my post-graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

Finally, I thank God for his bountiful grace throughout my life.

DR MK YOUNUSUDDIN

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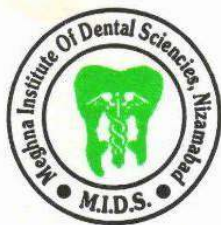
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Special regards to statistician, Mohanraj for rendering his help in compiling the statistical data and bringing my study to a more presentable form.

Dr. ASMA NAAZ

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It's a great pleasure to acknowledge the contributions made by my post graduate colleagues, without whom the dissertation would not been successful.

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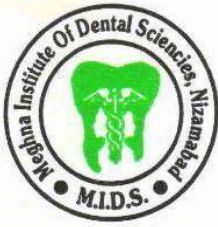
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Finally, I thank God for his bountiful grace throughout my life.

Dr K.Sowjanya

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Let me at this juncture, pen down my deepest gratitude to all my teachers. Dr. Saichand M.D.S, Reader, Sr. lecturer, Dr Apoorva M.D.S Sr Lecturer, Dr. Saritha Devi M.D.S. Sr lecturer for their constant help, moral support and timely suggestions.

Any work of this kind is very difficult to complete without getting a helping hand from people around us. I like to appreciate the help and support extended to me by my post graduate seniors & colleagues, Dr Shravan teja, Dr Swetha, Dr Moiz, Dr. Shrivani, Dr Afreen, Dr. Akhila, Dr. sanjay, Dr. Sai kumar without whom this dissertation would have not been successful. I also thank my patients for cooperating in my study.

I take this opportunity to convey my deepest gratitude to our beloved Principal Dr. M. Prathap Kumar M.D.S. Professor and HOD, Department of Conservative Dentistry and Endodontics, Meghna Institute of Dental Sciences, Nizamabad and to Dr. Ishari K. Ganesh Garu, Chairman, VELS Institutions for providing me the opportunity to pursue my post graduation in this prestigious institution, a constant source of inspiration and allowing me to utilize all the facilities provided by this institution.

Finally I thank God and my parents for their bountiful grace throughout my life

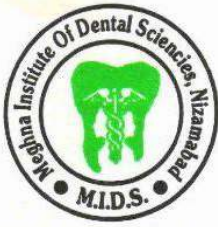
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Place: Nizamabad

Signature of the candidate

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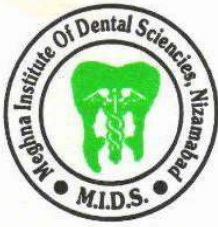
Thati Sai kumar, 2nd year post graduate trainee
from Meghana Institute of Dental Sciences attend
posting from 1st October 2021 to 31st October 2021
and given presentation in the peripheral postings.

Dr. Bharatendu Swain
Director,
Aakar Asha Hospital.

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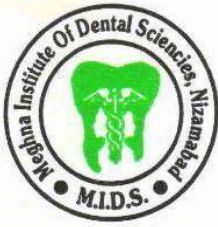
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ATTENDANCE CERTIFICATE

This is to certify that Dr. Manoj Kumar P (MDS)., OMR 2nd Year
postgraduate From Meghana Institute of Dental Sciences Nizamabad, has
Attended the peripherals posting in the Department of Radiology, MNJ
Radiation oncology & medical oncology
Institute of Oncology & Regional Cancer Center as a part of clinical Posting
from 01.04.2022 to 30.04.2022. No of Leaves: 01 during this posting.

[Signature]
HOD, Dental
30/4/22
DEPARTMENT OF RADIOLOGY
MNJ INSTITUTE OF ONCOLOGY
HYDERABAD

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To whomsoever it concern

This is to certify that Dr.M.Nikhil Kumar, a Post graduate resident from Department of Oral medicine and Radiology at Meghana Institute of Dental Sciences, has attended peripheral postings at Indur Cancer Hospital for a period of one month. (1-1-2022 to 31-1-2022)

No of working days-23

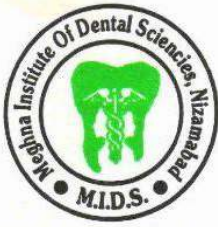
No of day's present-23.



Regards

Dr. P. Pradyumna Reddy
Center Head
Indur Cancer Hospital

Pradyumna
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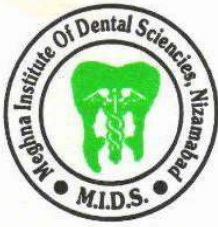
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This is to certify that Dr. Likitha V MDS., OMR 2nd Year Postgraduate
From Meghan Dental College Nizamabad, has attended the peripherals
posting in the Department of Surgical Oncology, MNJ Institute of Oncology &
Regional Cancer Center as a part of clinical Postings, from 01.03.2022 to
31.03.2022. No of Leaves: 02 during this posting.

for HOD.
Dr. Srikanth
31/3/22
HOD, Dental

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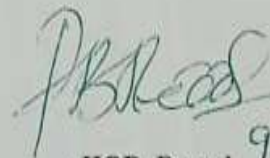
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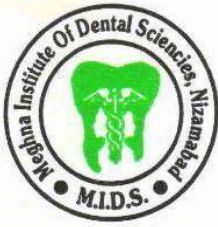
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This is to certify that Dr. B. Akhila MDS., 2nd Year Postgraduate From
Meghna Institute of Dental Sciences, Nizamabad, has attended the peripheral
posting in the Department of Oncology, MNJ Institute of Oncology &
Regional Cancer Center as a part of Post Graduate Curriculum, from
05.07.2022 to 09.08.2022. No of Leaves: 00 during this posting.


9/8/22
HOD, Dental


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TO WHOM SO EVER IT MAY CONCERN

Date: 10.03.2021

This is to certify that **Dr.E.Rahul Kiran**, 2nd Year MDS student, from **Meghna Institute of Dental Sciences**, Nizamabad has completed observer ship from 12.01.2021 to 10.03.2021 in the **Department of Surgical Oncology(Head & Neck)** at **Basavatarakam Indo American Cancer Hospital and Research Institute**, Hyderabad.

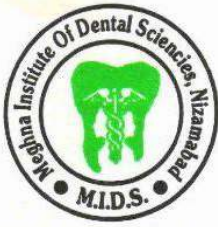

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Associate Director(Academics)

Dr. K. Kalpana Raghunath
MBBS, M.Phil, HHSM
Medical Superintendent (Hospital)
Associate Director (Academics)
Chief DNB Co-ordinator
Basavatarakam Indo American Cancer
Hospital & Research Institute
Hyderabad.


Dr.T.Subramanyeshwar Rao
Medical Director HOD-Surg.Onc

Dr. T. Subramanyeshwar Rao
M.S., MCh., (Surgical Oncology)
Director (Medical) &
Head-Dept. of Surgical Oncology
Basavatarakam Indo-American
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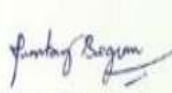
held ONLINE on 3rd & 4th September 2021




Dr. Lodd Mahendra
Principal


Dr. P.B. Yogesh
Vice Principal


Dr. V. Rangarajan
Advisor
Head of the Department,
Dept. of Prosthodontics


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