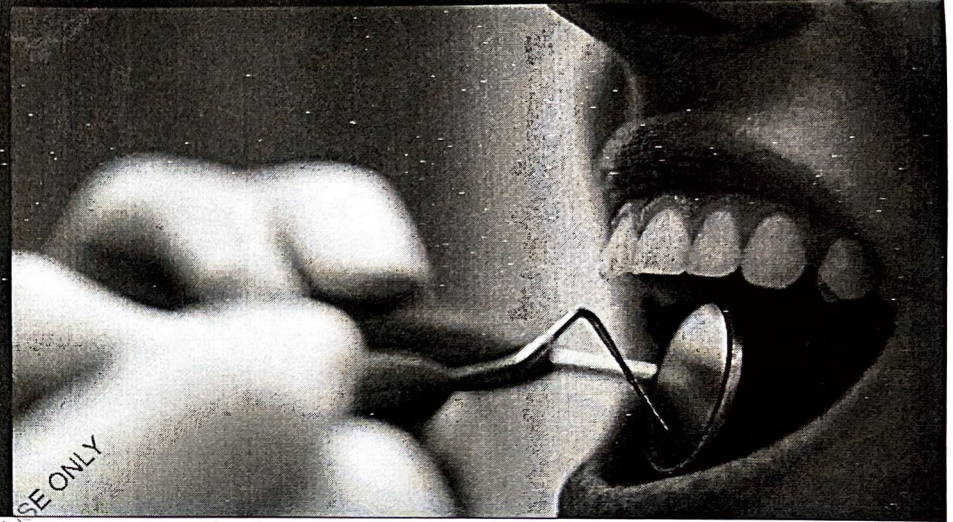


The basic concepts of the ART technique are the removal of decalcified dental tissues using only readily available hand instruments, following the modern concepts of cavity preparation, and the use of a high technology adhesive restorative material. This technique has the potential to make oral health care more available to a larger part of the world's population than before. Compared to conventional treatment approaches, ART is still very young. progress has been made in researching various aspects of the ART approach. More experience in the actual technique of cleaning carious cavities with hand instruments has been gained and newer, physically stronger glass ionomers have been marketed as a result of its existence. These developments have most probably led to the higher survival results of ART restorations in permanent teeth in the more recent compared to the early studies

Reshma sri , Haritha, Punithavathy



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Dr. Reshma Sri Chebrolu, B.D.S., (MDS), in the Department of Pedodontics and Preventive Dentistry at Lenora Institute of Dental Sciences, Rajanagram, Andhra Pradesh, India.

Reshma Sri Chebrolu  
Haritha Kondapalli  
Punithavathy R

## Atraumatic Restorative Treatment



Chebrolu, Kondapalli, R

 **LAMBERT**  
Academic Publishing



This book covers a detail view on what is child abuse types of child abuse and neglect and their types with characteristics of each type of abuse and neglect emphasizing on role of a dentist in recognizing and reporting it to the authorities identification, diagnosis and treatment of the abused child  
This book helps in identification of bite marks how to record the bite marks and diagnosing them.

CHILD ABUSE AND NEGLECT



SAI BHARADWAJA GUPTA SAMI  
PUNITHAVATHY R

# CHILD ABUSE AND NEGLECT

I am a passionate pedodontist focusing more towards the improvement of the preventive measures in oral hygiene of the rural children and focusing on the child rights.

FOR AUTHOR U

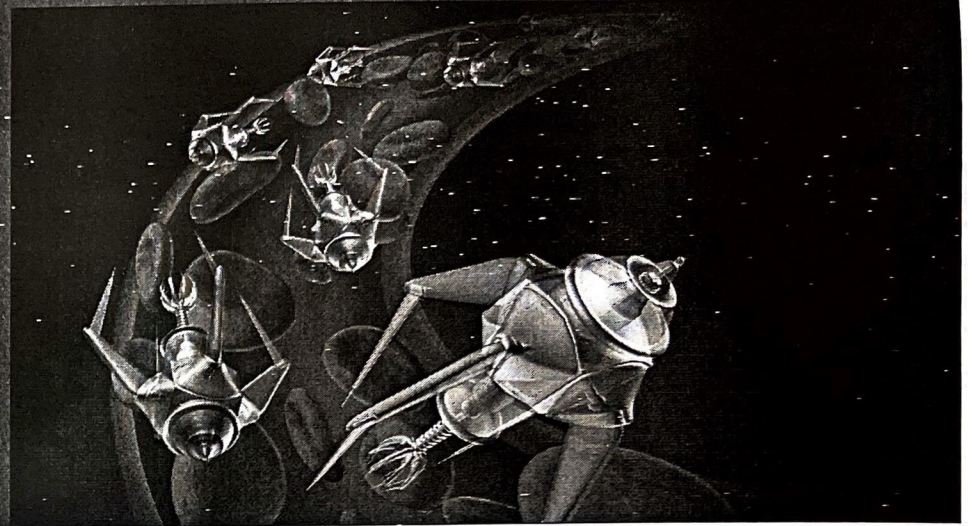
SAI BHARADWAJA GUPTA SAMI, PUNITHAVATHY R



LAP  
**LAMBERT**  
Academic Publishing



Although the effect of nanotechnology on dentistry is limited to the use of currently available materials, rapidly progressing investigations will ensure that developments that seem unbelievable today are possible in the future. The future utilization of the advantages of nanotechnology will facilitate improvements in oral health. Advanced restorative materials, new diagnostic and therapeutic techniques, and pharmacologic approaches will improve dental care.



B Raj kumar  
R Punithavathy  
M Satyam

# Nanotechnology In Dentistry

The Present and Future



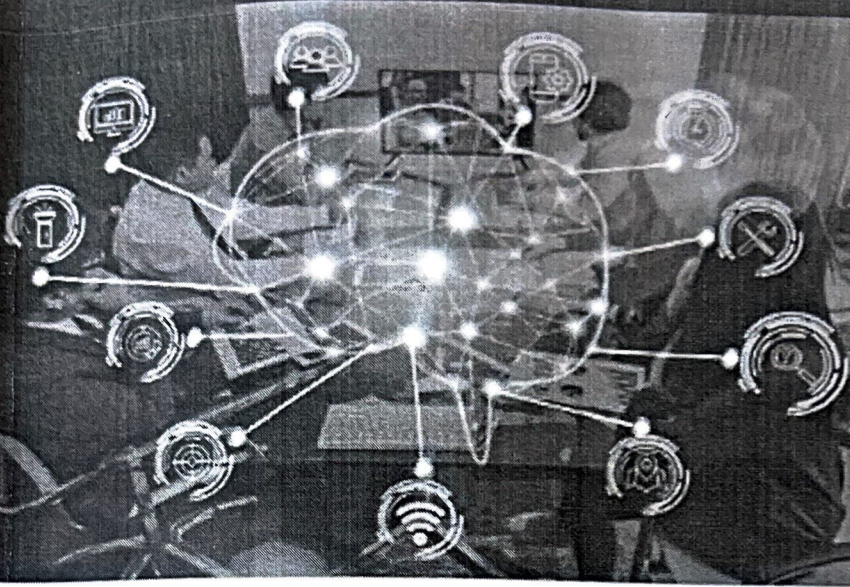
FOR AUTHOR U

Graduated from Gitam Dental College and hospital and pursuing a Postgraduate in specialization in the Department of Pediatric Dentistry at Lenora Institute of Dental Sciences, interested in General Dentistry and also in Pediatric Dentistry. This book is student-friendly adaption and includes new technologies and materials used in Dentistry.



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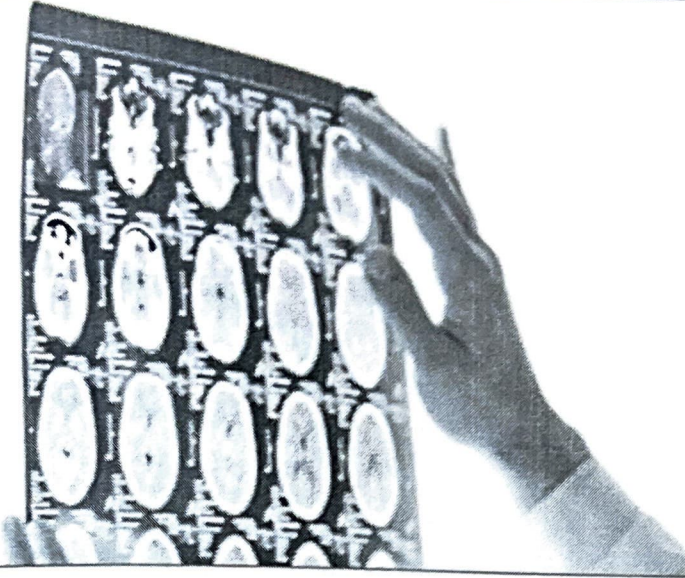
VINEELA TELLAKULA  
SRI DEVI KODURI  
PRASANTH KUMAR NALLI

# ARTIFICIAL INTELLIGENCE IN DENTISTRY

*REDEFINING A NEW AGE IN DENTISTRY*

 **LAMBERT**  
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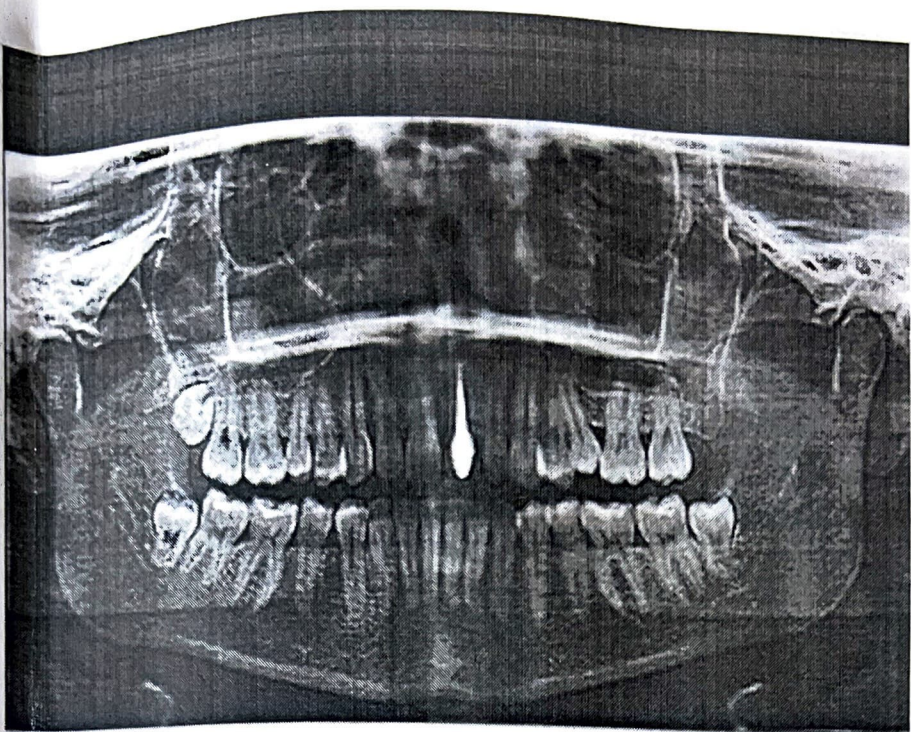
Ankitha Masa

# Cone Beam Computed Tomography

Oral and Maxillofacial Diagnosis & Applications

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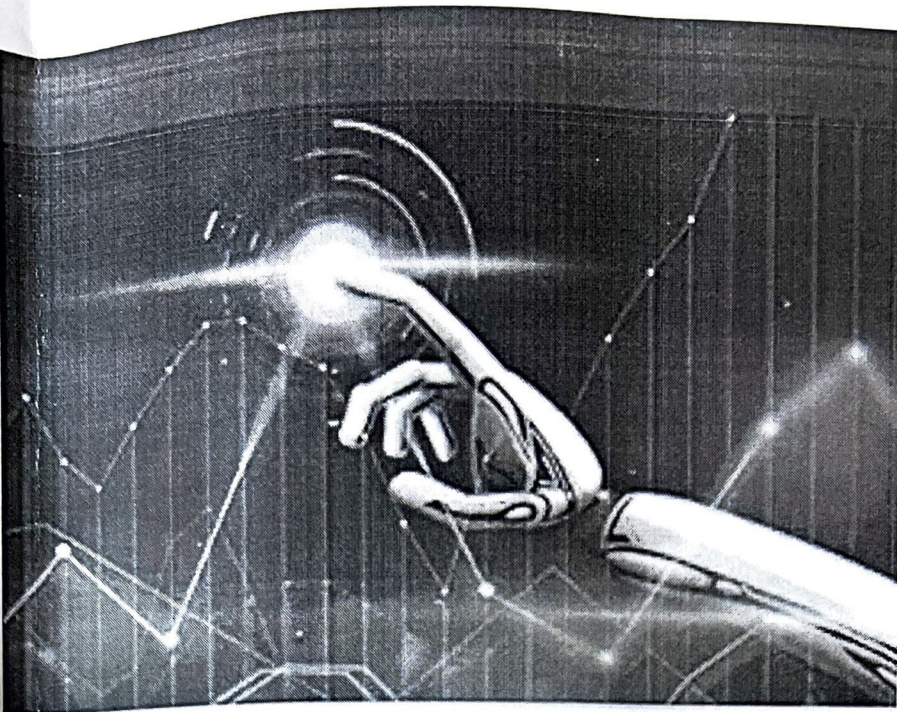


PRASANTH KUMAR NALLI  
SRIDEVI KODURI  
KRISHNAVENI BUDURU

# IMAGING IN DENTAL IMPLANTS

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Vinolia Sharon Malolu  
Sridevi Koduri  
Krishnaveni Buduru

# Lasers and Its Application in Dentistry: An Overview

Oral and Maxillofacial Therapeutics

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Saturday, June 05, 2010  
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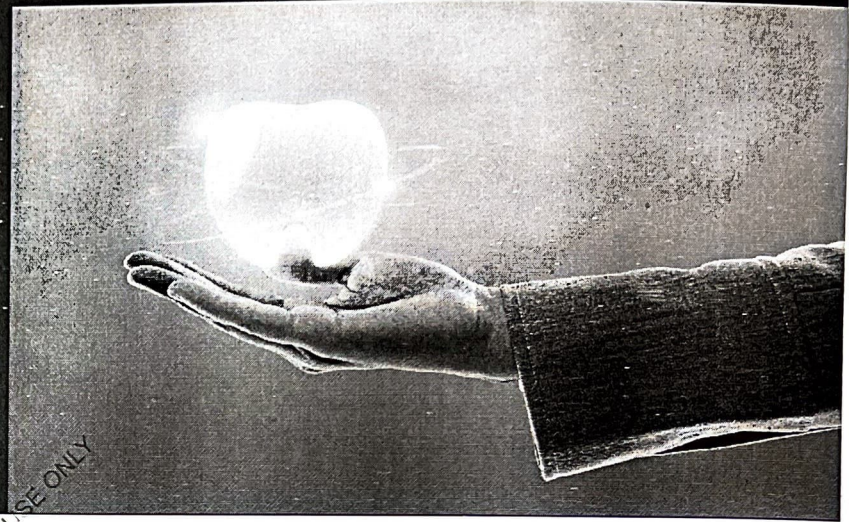
Krishna Veni Buduru  
Dalsingh Vankudoth

# Micronutrients in Oral Health

 **LAMBERT**  
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The Future of dentistry is based on new techniques providing non-invasive treatment procedures rather than invasive procedures. Ozone therapy can be used in dentistry as a non-invasive procedure especially in pediatric dentistry it has a positive effect on children in terms of behavior and caries management. Ozone therapy is a simple, economically preferable, and accessible treatment option. Ozone application is considered to be effective and safe in managing patients with various pathologies. Ozone can be a game-changer in dentistry in the coming days.



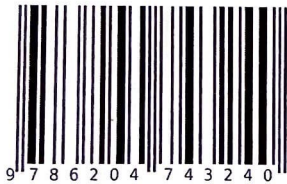
Dr. Adusumilli Venkata Surya Pavan Kumar graduated from MNR Dental College and Hospital, Sangareddy, Telangana, India, and currently pursuing a Master's degree in pediatric dentistry, At the Department of Pediatric dentistry, Lenora Institute of Dental Sciences, Rajamundry, Andhra Pradesh, India.

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Dr. A. V. S. Pavan Kumar  
Dr. R. Puniithavathy  
Dr. R. Mythraiye

## Ozone Therapy

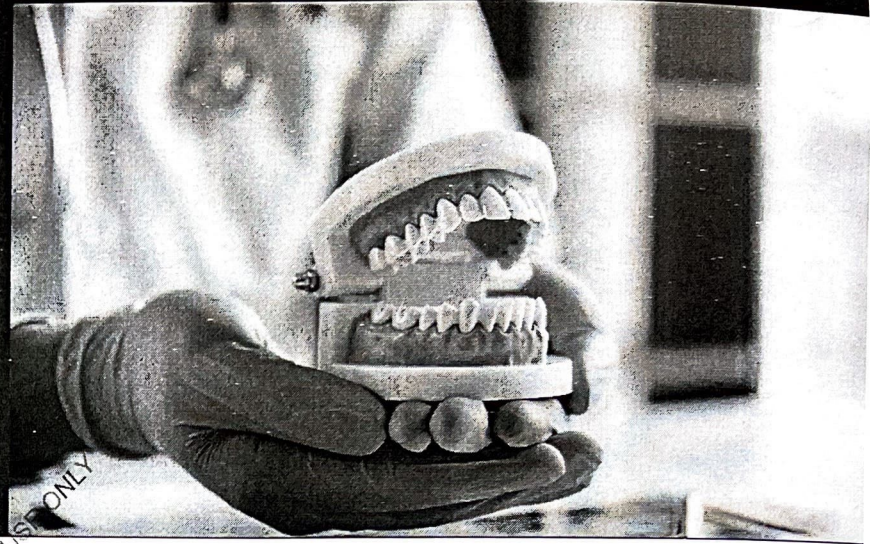
A Miracle in Dentistry



**LAP**  
**LAMBERT**  
Academic Publishing



Aside from fluoridated water, silver diamine fluoride is the single greatest innovation in pediatric dental health in the last century for the prevention of caries. Despite its recent popularity, it has been used internationally for upwards of 80 years. Silver diamine fluoride treatment is an efficient, painless, quick and safe method of dental treatment and sustainable option for high-risk children and adolescents across all the age groups in arresting dentin caries.



I am Lalitha Naga Poornima Guduru BDS (MDS), in the Department of Pedodontics and Preventive Dentistry at Lenora Institute of Dental Sciences, Rajanagaram, Andhra Pradesh, India.



GUDURU, MARTHA, KALISIPUDI

LALITHA NAGA POORNIMA GUDURU  
SATYAM MARTHA  
SANDEEP KALISIPUDI

# SILVER DIAMINE FLUORIDE

## A BOON TO THE PEDIATRIC DENTISTRY

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Academic Publishing



Photodynamic therapy (PDT) has emerged as a novel, noninvasive photochemical disinfection therapeutic approach to treat cancer, infections, and diseases IN MEDICAL and dental fields. It includes the use of a low-power diode laser in combination with photosensitizing compounds. The photosensitizer binds to the target cells and when it is irradiated with light of specific wavelength, in the presence of oxygen, it undergoes a transition from a low-energy ground state to an excited singlet state; then singlet oxygen and other very reactive agents are produced, which are toxic to these target cells Antimicrobial PDT (aPDT) seems to be an emerging unique and interesting therapeutic approach and holds promise as a substitute for currently available chemotherapy in the treatment of periodontal and peri-implant diseases.

Photodynamic Therapy



Kankipati Amrutha  
Rupasree Gundala  
Dalli Bharath Simha Reddy

## Photodynamic Therapy : An Overview

A New Photochemical Disinfection Therapeutic Approach in Dentistry



Dr. Kankipati Amrutha, BDS, (MDS), a postgraduate student in the Department of Periodontics, at Lenora Institute of Dental Sciences, Rajahmundry, Andhra Pradesh, India.

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Amrutha, Gundala, Simha Reddy

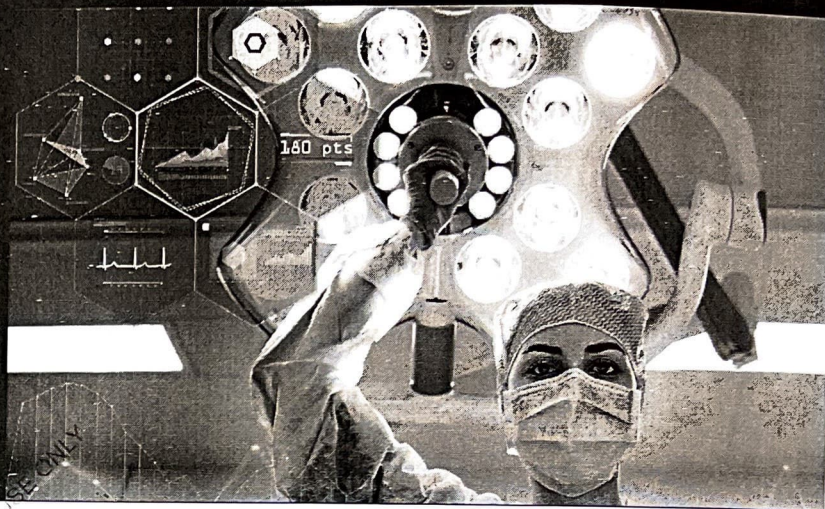


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The bone-cutting technique of the piezoelectric device works due to the use of micro-vibrations at a specific ultrasonic frequency modulated by sonic waves. The sonic and ultrasonic frequency (25–30 kHz) is produced by a mechanical shock wave that vibrates in a linear manner. The cutting tip works with reduced vibration amplitude (horizontal 20–200  $\mu\text{m}$ , vertical 20–60  $\mu\text{m}$ ). The selective and thermally harmless nature of the piezosurgery instrument results in a low bleeding tendency. The precise nature of the instrument allows exact, clean, and smooth cut geometries during surgery. Postoperatively, excellent wound healing, with no nerve and soft tissue injuries, is observed. Because of its highly selective and accurate nature, and cutting effect exclusively targeting hard tissue, its use may be extended to more complex oral surgery cases, as well as to other interdisciplinary problems

Piezo Surgery-an Over View by Dr. Neha



Alluri Sri Neha Raju  
Dalli Bharath Simha Reddy  
Nemakal Sumana



I am dr.alluri sri neha raju, periodontist,  
andhrapradesh, india.

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## Piezo Surgery-an Overview

Piezoelectric devices are an innovative ultrasonic technique. Piezosurgery is a relatively new surgical technique.

Neha Raju, Reddy, Sumana



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Proteomic research is an emerging field of biological, medical, and analytical research. It could have a high impact on the understanding of various diseases and helpful in treatment planning. Proteomics can provide comprehensive and systematic information about proteins in a wide array of tissues and organs. As proteins are functional molecules, methods to determine their expression are thought to be essential for an in-depth understanding of tissue function by both quantitative and qualitative means.

PROTEOMICS-A REVIEW by Dr. Bharath



I am Dr. Dalli Bharath Simha Reddy BDS, (MDS), a postgraduate student in the Department of Periodontics at Lenora Institute of Dental Sciences, Rajahmundry, Andhrapradesh, India.

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Dalli Bharath Simha Reddy  
Rupasree Gundala  
Kankipati Amrutha

## PROTEOMICS- A REVIEW

Proteomic tools can help in dentistry  
to identify risk factors, early diagnosis,  
and prevention of disease

Reddy, Gundala, Amrutha

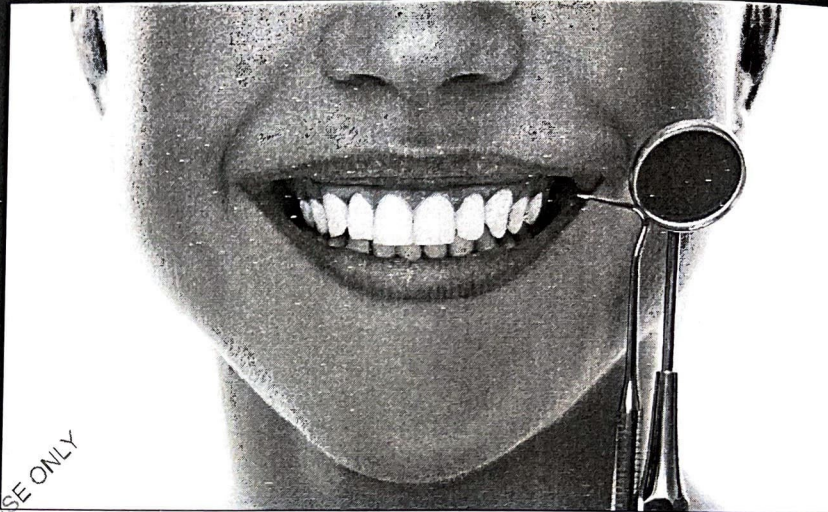


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The anatomy of the smile is an integral part of dentistry. Its understanding involves close scrutiny of all elements of the oral region. It is not enough to establish the size of teeth based on the high and low lip lines, size of the mouth, and a shade to blend with the age and complexion. To create a harmonious smile the dentist must maintain or create the normal curvature of the lips, and undistorted philtrum, and undisturbed nasolabial grooves. These entities, maintained in harmony with the exposed teeth, constitute the anatomy of a smile. -  
Our team of periodontists coordinately shared our knowledge on Smile Design through this book. We hope this book will give you thorough knowledge on a Smile Designing

SMILE DESIGN IN DENTISTRY



Dalli Bharath Simha Reddy  
MVL Amulya  
Nemakal Sumana



Dalli Bharath Simha Reddy (MDS) in Periodontics and Implantology wanted to share Extensive work on Smile Design.

# SMILE DESIGN IN DENTISTRY

The smile is one of the most expressive forms of nonverbal communication

Reddy, Amulya, Sumana

