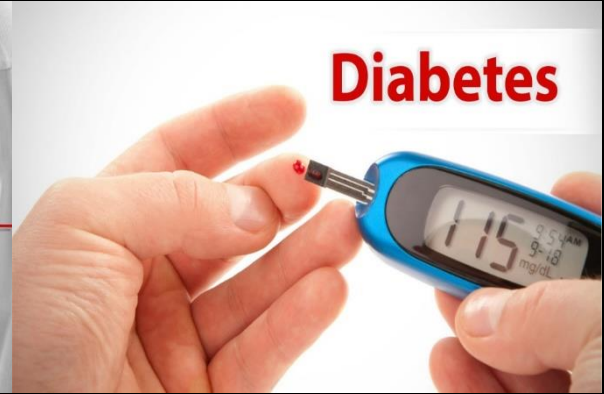


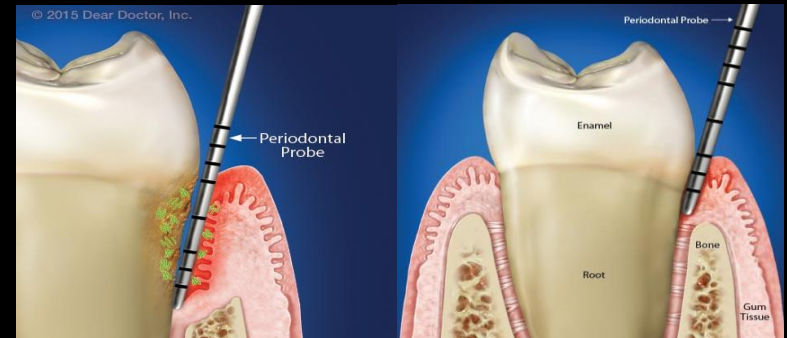
Role of Periodontists (Oral Plastic Surgeons)



Helping You

Patient Education Posters

**From
Disease to
Health**




Dr. Rohit Shah

Acknowledgements

Firstly, I would like to express my deep gratitude to **Dr. Shishir Singh**, Dean, Professor and Post Graduate Guide, Head of department, Department of Endodontics & Conservative Dentistry for providing me the opportunity to write this book.


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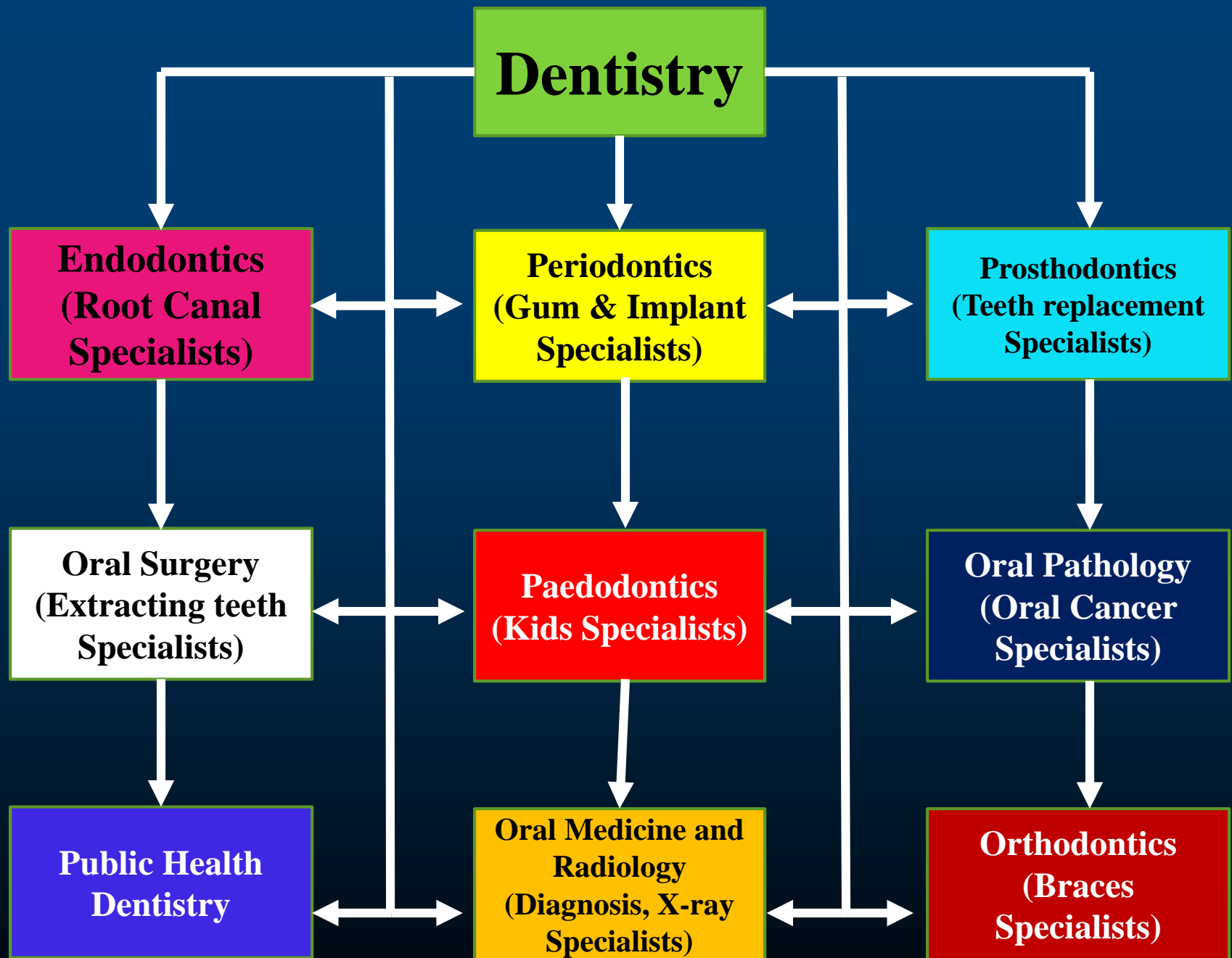
I would like to sincerely thank **Dr. Silvia** and **Dr. Gaurav** for their noble ideas. I am really grateful to them for mentoring me in all aspects.

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Periodontists –


Periodontists being gum specialists are also labelled as 'Plastic Surgeons' of the mouth and are principally involved in smile designing through shaping of gums.

They play a significant role in identifying and maintaining systemic health through oral health. They also specialise in treating gum disease, placement of implants, maintaining them and managing diseased and infected dental implants.

Their armamentarium includes use of Lasers, ozone and performing soft and hard tissue surgeries in the mouth to restore gums and bone to health.



Signs of Gum Disease

- ✓ Bleeding Gums
 - ✓ Swollen Gums
 - ✓ Bad Breath
 - ✓ Mobile / Loose Teeth
 - ✓ Elongated Teeth
 - ✓ Gum Recession/ Pockets
 - ✓ Tartar around and on the teeth
- 

Don't *Rush* when u *Brush*



Learn from a *Periodontist*

FOR THE PATIENTS WHO WANT CLEAN
AND HEALTHY GUMS....



PERIODONTISTS ARE THE ONES....

Healthy
Gums

For a

Healthy
lifestyle



*Maintain **Gums** to Maintain Your **Teeth***



*Visit a **Gum Specialist** Today*

Bad Odor Needs a Healer



*Time to call on a **Periodontist***

Bleeding Gums

=

Bleeding Organs



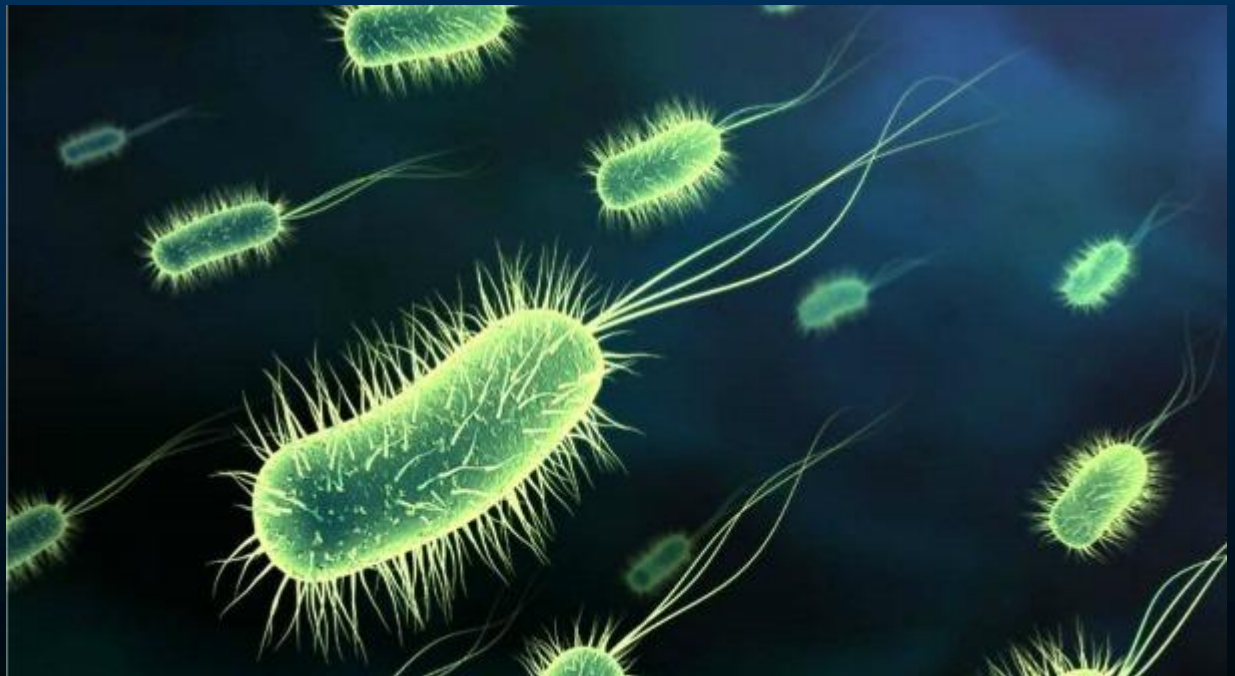
If Your Gum Bleeds,



*a Consultation with a
Periodontist is what you
need!!!*

BLEEDING GUMS — POCKETS FULL OF BACTERIA

VISIT YOUR GUM SPECIALIST
TODAY





Would you **ignore** if your **scalp bleeds**
while combing your hair????



Then why **ignore** bleeding gums while
brushing????



*Say no to Deadly Dental **Plaque**,*



*Visit a **Periodontist** today...*

Lock your Gum Pockets

Visit a Periodontist



*Love Thy Gums as
Thyself.*

Don't Ignore Gum Pain.

Consult a Periodontist.



LONGER TEETH THAN BEFORE?
SHORTER THEY WILL STAY.



CONSULT A **PERIODONTIST** TODAY...

ITS BETTER TO **WAKE** BEFORE YOUR
TEETH BEGIN TO **SHAKE**



VISIT A **PERIODONTIST** — YOUR GUM
SPECIALIST

Don't Lose Loose Teeth
Consult a Periodontist

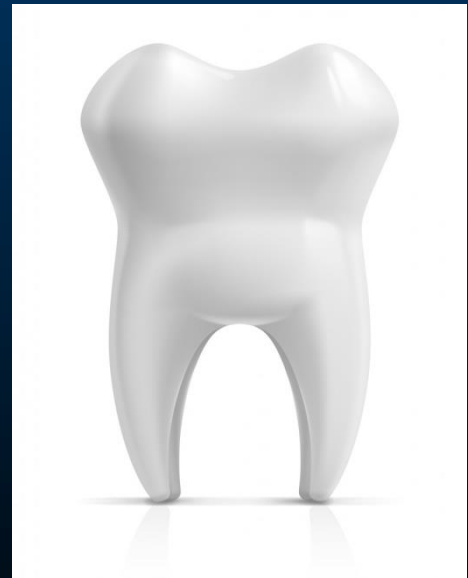


Worried about *Tooth Mobility,*



Visit a Periodontist for their *Stability*

Care for the Root
Or You
Will eventually loose the tooth



Rocking Teeth can Rock Your Life...

U Need to Visit a Periodontist Today...



Before Teeth Move and Shake



Visit a Periodontist

Plaque ~ Periodontal Disease ~ Heart



Your **Mouth** can Impact your **Heart**

Gum Disease can lead to Heart Disease



Visit a Periodontist today

5. 1. 1996 年 1 月 1 日 起施行

by The Washington Post

Open wide. There's a host of reasons these peering heads open to each other, and you may be surprised at what they hope to find. They're looking for a connection between gulf stream and Atlantic, such as between cold and warm currents.

What they're seeing is there is something positive about the relationships between gay and lesbian couples and their children. In particular, many studies show that in child development, there have been no differences between children raised by gay and lesbian parents and children raised by straight parents. Others are looking at whether there's a connection between youth behavior and adolescence.

But experts say the data underestimates what there truly might mean. Leading conclusions are carefully obtained to avoid implying that they are definitive, by using the exact title of the paper in overall health but not to be disappointed.

Twenty-five of all Americans age 25 and older have some form of gum disease, to prevent it and others to prevent have perfect degree of periodontal disease, according to the Centers for Disease Control and Prevention.

Can disease or germs, however, start with a single bit of bacteria? The paper says no, but, and guess what? Not tested or shown any, it can survive below the ground. Some people are genetically inclined toward it.

Types of gum disease include bleeding, and at worst, loss of gum tissue where the gum tissue separates from the tooth, bad breath, and loose teeth, which can cause changes in your fit, according to the American Dental Association. Gingivitis is a mild form of the condition. Sometimes the disease is very advanced even though there are no symptoms.

Left: arranged, particular
right: day, every, each, how.

clinical care of patients in the
past 10 years with these
conditions.

Smoking prevalence in men patients enrolled in three hepatocarcinoma and liver metastasis study than those who did not receive following peritoneal cath, according to an analysis of data from a study published in 2004 in the *American Journal of Preventive Medicine*.

For example, over the study period, the average annual cost of medical care for Type 2 diabetes was increased considerably for those that sought for diabetes with nonmetabolic disorders; the average was equal to a 34 percent increase, with an average two-hospital admission. General vascular disease patients whose gross disease was treated saw a 34 percent cost savings and a 30 percent fewer hospital admissions. The coronary artery disease cost savings were a 20 percent reduction.

years, with nearly 30 years of clinical therapeutic success.

WASHINGTON People with the more gene-loaded mouths are the most likely to have heart attacks, United States researchers reported yesterday.

A study that compared heart attack victims to healthy volunteers found the heart patients had higher numbers of bac-

ture in their mouths, the researchers said. Their findings add to a growing body of evidence linking oral hygiene with overall health.

Dr. Debbie Anshelm and colleagues at the University of Buffalo in New York

were trying to find out if any species of bacteria would be causing heart attacks.

They took up the men and women who had suffered heart attacks and 19 people free of heart trouble showed the two types of bacteria - *Yersinia enterocolitica* and *Yersinia enterocolitica* - was more common among the heart patients.

But more striking, the people who had the most heartbeats of all types in the months were the most likely to have had heart attacks. They told a meeting of the International Association of Dental Research in Miami.

The message here is that even though some specific periodontal pathogens have been found to be associated with an increased risk of coronary heart disease, the total bacterial pathogenic burden is more important than the type of bacteria.

196),¹⁰ said the Académico, who is now the University of Puerto Rico.

"In other words, the total number 'bugs' is more important than any one virus infection," she said.

Doctors are not sure how bacteria may be linked with heart attacks but some studies have shown associations between oral disease and heart disease.

In Singapore, while earlier experts said that no-lead research had been carried out on the link between acid fumes and heart problems, they said a connection could not be ruled out.

Dr. Stanley Cline, associate consultant at the National Heart Cancer's cardiology department, said that bacterial infection in general can cause changes in blood vessels, raising the risk of heart attacks. "Bacteria from the mouth could enter the bloodstream and eventually travel a distance," he said.

And with time out of five adult things persons believed to have some form of disease, the latest study they did is reminder to knock up on oral hygiene.

As Dr. Kirk C. Johnson, senior assoc-

and at the peridontal margin of the Maxillofacial Dental Center observed: "A lot of Hispanics don't visit a dentist and do not know about dental disease."

KEYWORDS: national identity; April 1975; Singapore

Study seeks gum disease link to heart attack



**JOHN
BANAS**

that the condition of my teeth and gums may increase my heart attack risk?

A. Atlantic Health System's Morristown Memorial Hospital is conducting a study that examines a possible link between the bacteria that is commonly found in infected gums

and the onset of a heart attack. The study is funded by the Healthcare Foundation of New Jersey.

A heart attack occurs when arteries are clogged with plaque and some of that plaque breaks away and forms a clot. The clot then blocks the artery and causes tissue damage, which in turn leads to heart failure, weaknesses in the heart's walls, or even death.

It is not known what causes the plaque to suddenly rupture and form a blood clot, said David Goteiner, D.D.S., an attending periodontist in the Department of Dentistry

at Morristown Memorial Hospital and principal investigator for the research study. However, factors such as an increase in the patient's "bad" cholesterol and greater amounts of plaque in the blood vessels are possible catalysts. Goteiner suspects that bacterial infection may play a key role in the process that triggers a heart attack.

The connection between gum disease and heart disease may be reflected in similarity of tissue response. Gums infected with periodontal disease are inflamed and infected with bacteria. The bacte-

ria produce a byproduct called endotoxins, which are also extremely inflammatory. If an overload of bacteria from gum disease were to enter the bloodstream, it could contribute to the inflammatory response that leads to a heart attack.

The study results may also pinpoint why some patients live for years with arteriosclerosis (narrowing of the arteries) while others experience sudden heart attacks from the rupturing of the plaque. There are reports that other bacteria, including chlamydia, cytomegalovirus and her-

pes simplex, have been identified in arteriosclerosis plaque, potentially causing an inflammatory response that may cause ruptures of the plaque. It seems reasonable that bacteria originating in the mouth may do the same. Some research studies that have made a connection to periodontal disease and such disorders as heart disease, premature birth, diabetes and respiratory diseases.

Studies like the one at Morristown Memorial Hospital may lead to the practice of recommending regular teeth and gum cleanings as a preventative

for heart disease. Periodontal disease may also be cited as a risk factor for cardiovascular diseases. Until these theories are proven conclusively, we may all be safer to practice regular oral hygiene, and enjoy healthy teeth and gums as an additional benefit.

John Banas, M.D., is chairman of the Department of Cardiovascular Medicine at Morristown Memorial Hospital. He and other doctors from Morristown Memorial will answer questions in this column monthly. Send questions to asktheexpert@ahsvs.org

Scaling (Cleaning)

- Scaling is a common procedure of **cleaning** tooth surfaces just above the gumline to **remove** accumulated **food debris**, **tartar deposits** and **bacteria**.



Before



After

Splinting

It involves **tying loose/ mobile teeth** together to **stabilize** them.



Before



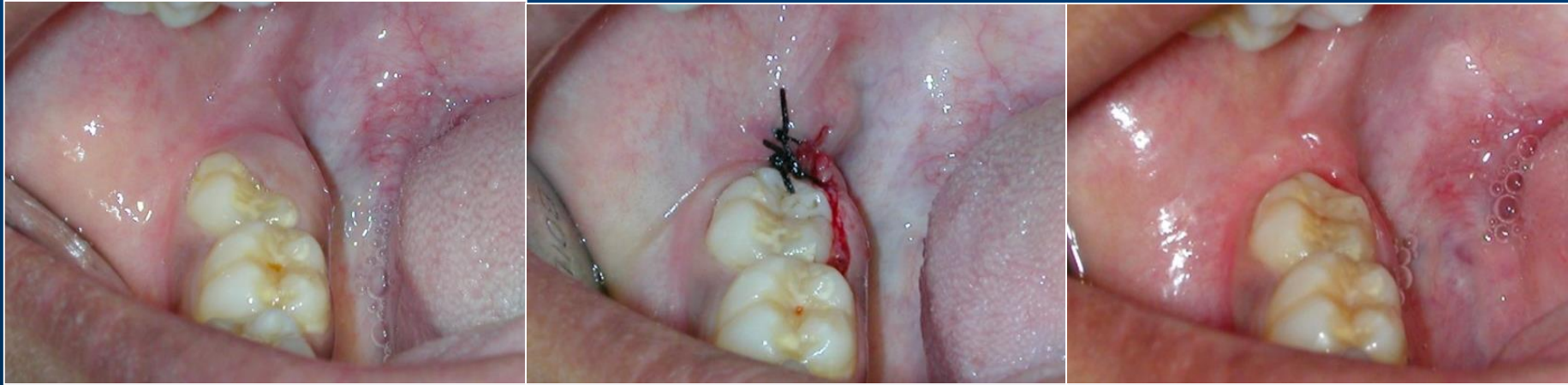
After

Laser Assisted Gum Treatment

It is a procedure to ensure that **no tissue is cut** away from the gums or even the bone. The LASER provides **gentle treatment** that helps in the **protection of healthy tissue** while **minimizing pain and discomfort** at the same time. It helps in **elimination of gum disease** without harming oral tissues.



Opereulectomy



It is the surgical procedure of removing the inflamed and painful gummy tissue that covers a partially erupted tooth (usually the wisdom tooth).

Gingivectomy



Gingivectomy is a dental **procedure** in which the periodontist **removes** a **part of the excess gums** in the mouth.

Gingivectomy is commonly done to **treat gummy smiles** and **lengthen short teeth** in the mouth.

Crown Lengthening



It is a procedure which is used to **treat inadequate tooth structure** as a result of tooth fracture or dental decay, especially in the front region where **esthetics is of great concern**.

In this procedure gums or bone surrounding a tooth are removed to **expose enough of the tooth**, to enable it to receive a new crown.

Flap Surgery



Before



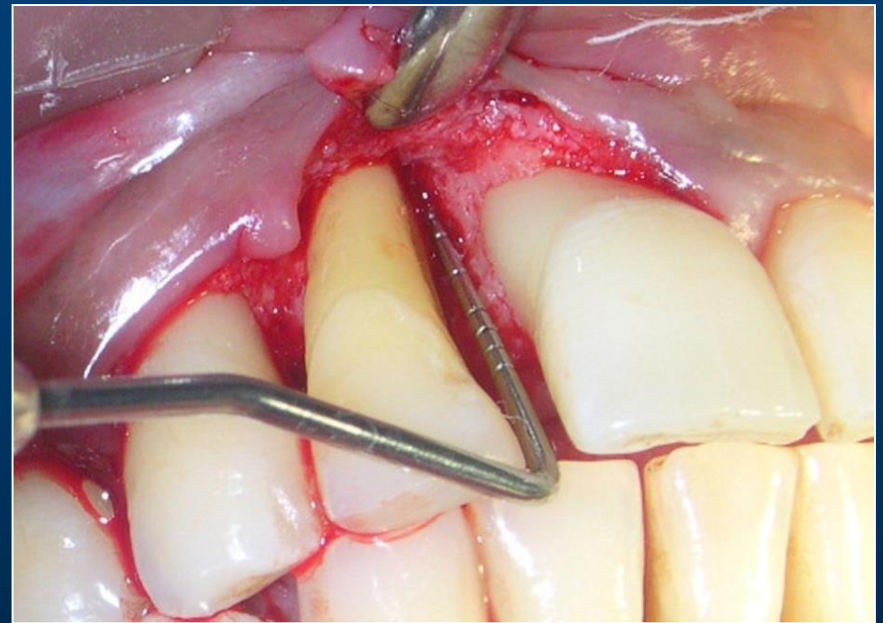
After

Gingival Flap Surgery is a procedure in which the gums are detached from the teeth and folded back temporarily to allow the periodontist to reach and **clean the root of the tooth and the bone**, thus **treating gum disease**.

Regenerative Periodontology Flap Surgery –

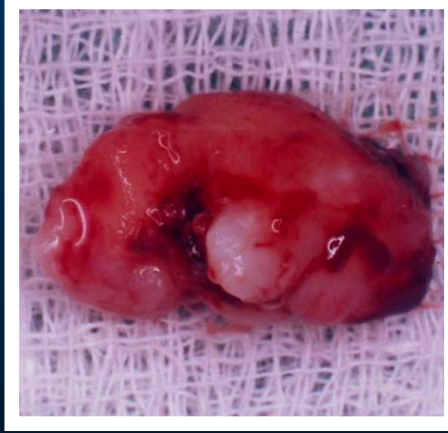
- It involves procedures to **regenerate lost bone and tissue** supporting your teeth and can reverse some of the damage caused by gum disease.
- **Membrane (filters), bone grafts or tissue – stimulating proteins are used** to encourage body's natural ability to regenerate the lost bone and tissue.

Regenerative Flap Surgery



Surgical Excision –

It involves the removal of excessive gum overgrowth.



Gum Depigmentation



It is a procedure in which **darkened/black gums** are **lightened /turned pink** by scraping them or transportation of healthy oral tissues of the same patient in darkened areas.

Darkened gum areas can also be lightened by application of excessive low temperature and lasers.

Periodontal Plastic Surgery



Before



After

They comprise mainly of **plastic surgeries** to **cover the exposed parts of the tooth** and bring the gums back to it's original position. It is also a **part of smile designing**.

Periodontal Plastic Surgery



Before

After

Loss of gums is very unaesthetic even after the teeth are restored.

Such surgeries ensure **restoration of the lost gums** which were present between the teeth to **eliminate the unaesthetic black triangles**, thereby **enhancing your smile**.

Lip Repositioning

It is a conservative surgical technique used to **treat excessive gum display**. It helps to **decrease gummy smile** by simply repositioning of lips to ensure **reduction of gums on display during smiling**.



Dental Implant



Before



After

Dental Implants –

A dental implant is the **ideal and fixed replacement** of your missing tooth. It is a **surgical component** that is placed within the bone of the jaw or skull to **support** a dental crown or bridge or denture or facial prosthesis.

Dental Implant Maintenance –

Periodic recall evaluation and radiographs are critical to **ensure long life** of implant.

The long term success of implants is dependent on both the **patient's maintenance** of effective home care and on dental team's administration of **professional cleaning** and additional procedures in the dental office.

Peri-implantitis –

Despite the documented high success and survival rate of oral implants , failures do occur. Periimplantitis being a major and common cause. It is the **infection of gums around the implant** along with **loss of surrounding bone**. It can be **surgically** or **non surgically** managed using **lasers/ ozone/ local and systemic antimicrobials/bone grafts**.

Conclusion

- Periodontists treat the foundation of your teeth (gums and bone).
- Periodontology is the foundation on which dentistry is standing.
- Also periodontists offer the ideal replacement for your missing teeth i.e. Dental Implants



Visit a Periodontist if you have -

- Bleeding Gums
- Painful Gums
- Swollen Gums
- Sensitivity of teeth
- Bad breath
- Loose Teeth
- Black Gums
- Excessive Gum Overgrowth

Author



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Mentors



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