

WHY

BIOLOGICAL DENTISTRY?



OUR PURPOSE AS BIOLOGICAL DENTISTS:



➤ NON TOXIC, BIOCOMPATIBLE MATERIAL

- Mercury free – SMART, safe mercury removal
- Metal free, fluoride free, BPA free
- Chemical free clean office



➤ BOOST YOUR IMMUNE SYSTEM

Because nothing is better than mother nature, we adjust your lifestyle if necessary and ask you to control your belief system.



➤ STRATEGIC PLANIFICATION

- Improve your wellbeing
- Increase your bioage (different from your passport age).

WHY A FUNCTIONAL AND INTEGRATIVE APPROACH?



As dentists, we are trained to solve your tooth issue. You come with a toothache and our job is to treat your tooth.

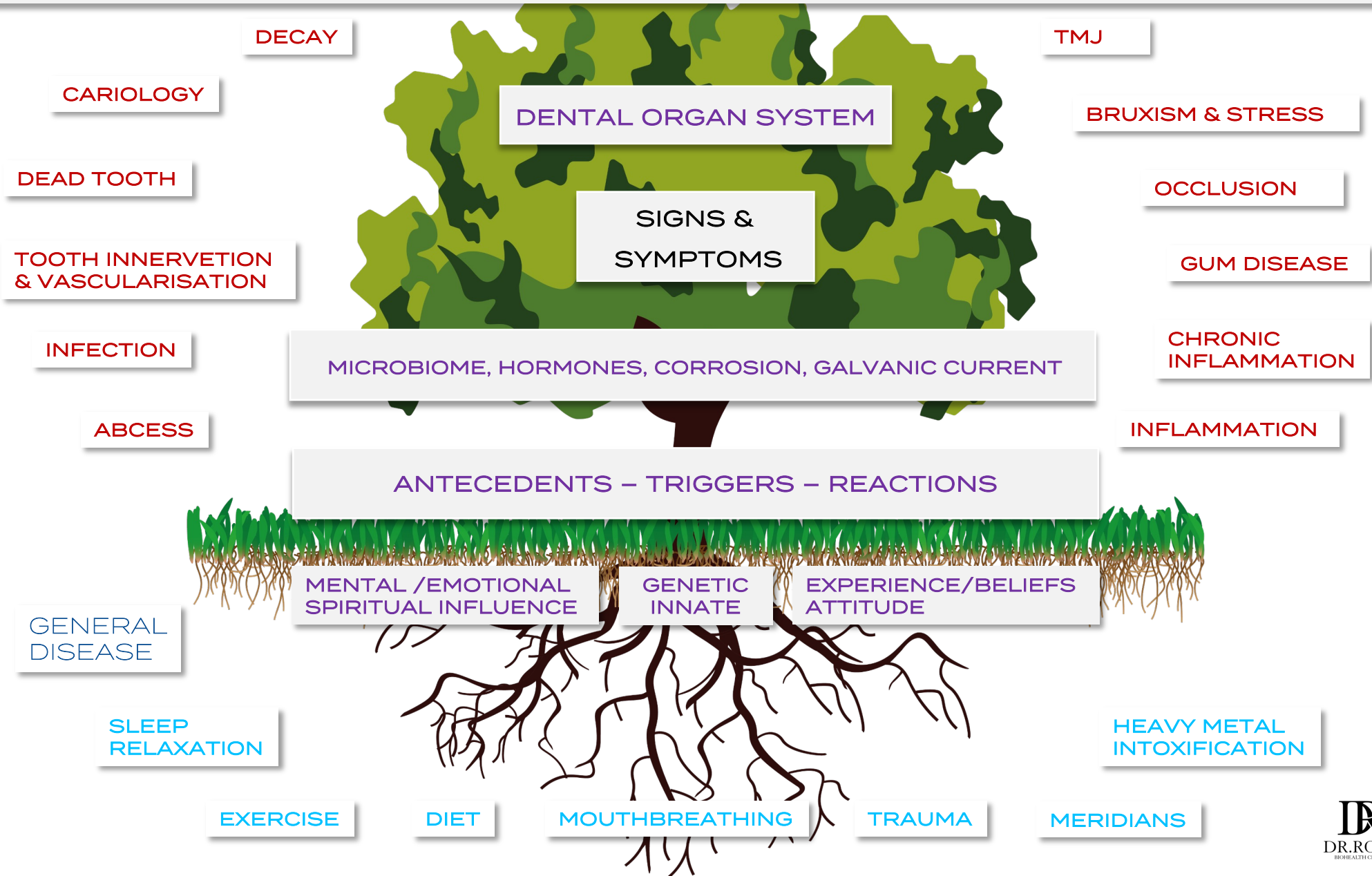
- Do we try to understand the **root cause**?
- Sometimes if it is mostly a **local reason**, but what if the root cause is a **focal one**?
- What is the chance?

That goes for allopathic medicine in western medicine: For heart issues, you go to the cardiologist, for back issues, you go to the physio, and for migraine you visit your neurologist.

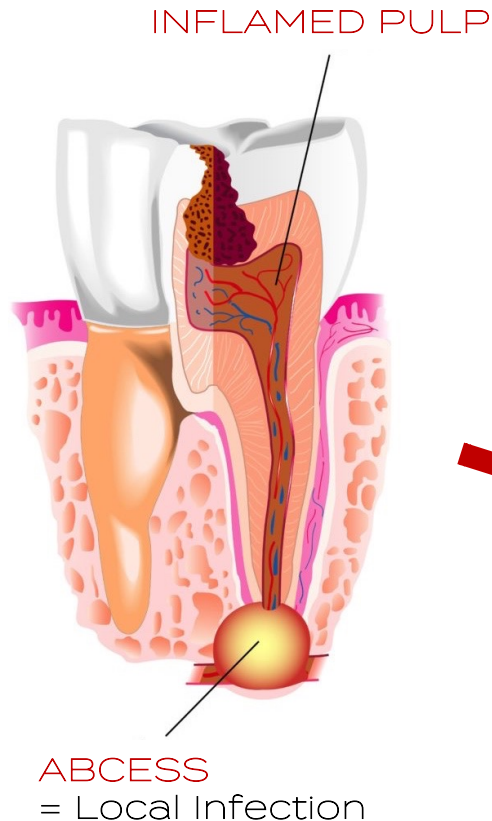
It is like the human body is assemble with parts that can be replace or change like servicing a car.

We rarely take the **functional and integrative approach**.

THE TREE OF BIOLOGICAL DENTISTRY



THE FOCAL INFECTION: DENTAL ABCESS TO HEART DISEASE

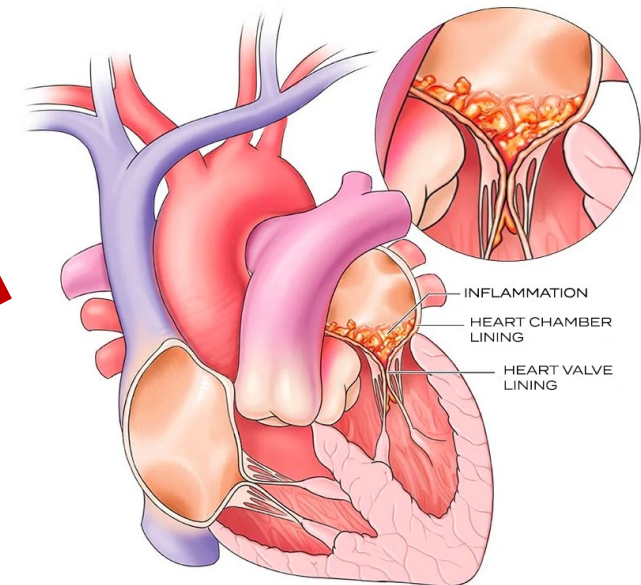


Mayo's Clinic & Weston Price - 1922

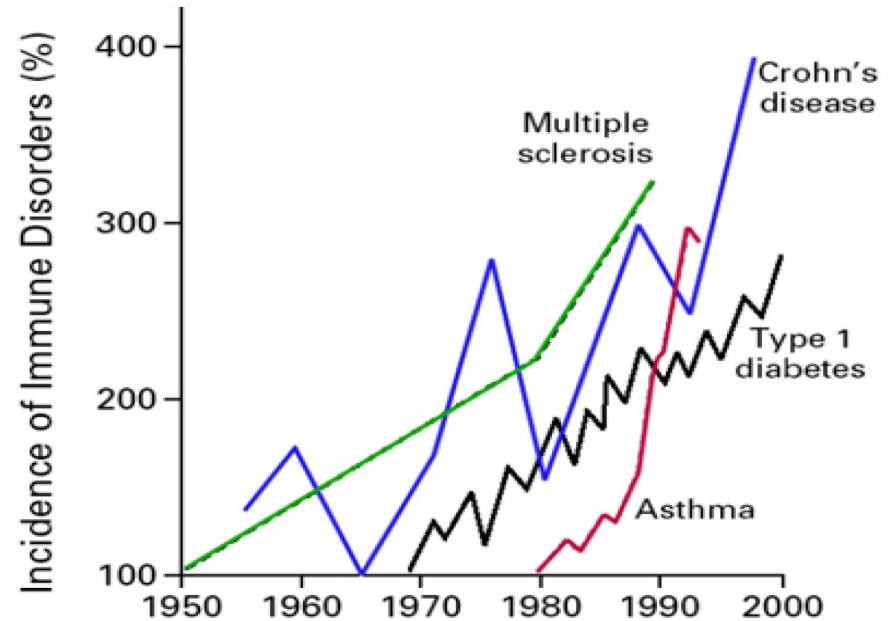
Dr. Weston Price was concerned about the pathological bacteria found in nearly all root canal teeth of that time. He was able to transfer diseases harbored by humans from their extracted root canal teeth into rabbits by inserting a fragment of a root canal root under the skin in the belly area of a test rabbit. He found that root canal fragments from a person who had suffered a heart attack, when implanted into a rabbit, would cause a heart attack in the rabbit within a few weeks. Transference of heart disease could be accomplished 100% of the time.

BACTEREMIA = Introduction of bacteria in the
Endocarditis

A red arrow points from the tooth diagram to the heart diagram, indicating the path of infection from the dental abscess to the heart.



DO YOU SUFFER FROM CHRONIC DISEASE?



Source: Bach JF. The effect of infections on susceptibility to autoimmune and allergic diseases. N Engl J Med. Sep 2002;347(12):911-920

DO YOU KNOW YOUR LEVEL OF STRESS?

• COMMON STRESS

- ❖ **Psychological stress:** Artificial stress and arise as a result of fears and images in our brain:

“ I’ve lived through some terrible things in my life,
some of which actually happened” – Mark Twain

- ❖ **Emotional stress:** Triggered as a result of stressful personal and work relationship, but also by locations and situations (traffic jams, loud noise).



• EMF STRESS

- ❖ Electro magnetic field
- ❖ You live in the mountain or in Dubai?

• PHYSICAL STRESS (physiological & biochemical):

This can be caused by metals in the oral cavity, toxins from root canal treated teeth, allergens from filling materials but also by our diet.

Trigeminal nerve : occupies more than 50% of the brain cavity



CONCLUSION: Your level of STRESS = Common Stress + EMF + Physical Stress

LINK BETWEEN STRESS AND CHRONIC DISEASE

1. **Common stress -> consequence = Bruxism**

2. EMF -> consequences: Parasympathetic system versus Sympathetic system

3. Physical stress :

a. Mercury amalgam

b. Wisdom teeth, Cavitation / NICO

c. Dental Implant

d. RCT

e. Leaky gum – Leaky gut

f. Meridians

ONE WAY TO EXPLAIN MEDICALLY UNEXPLAINED MIGRAINE

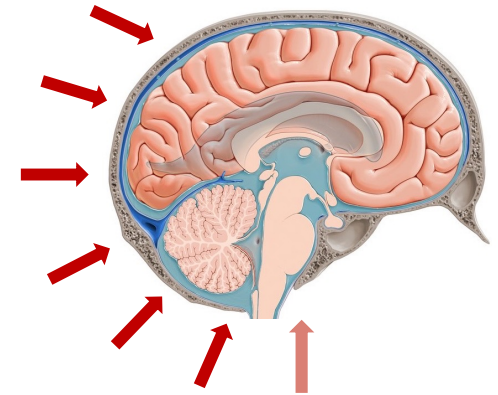
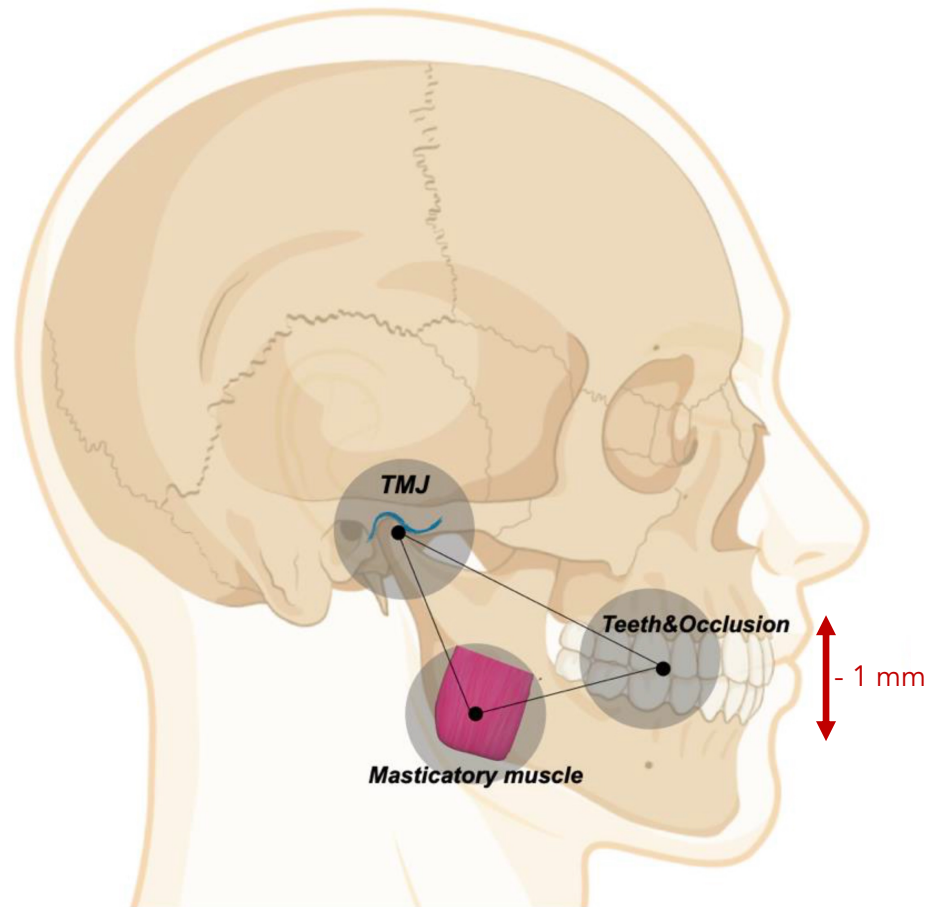
**Decrease occlusion by 1mm,
decrease brain vascularization by 50%**

- Bruxism typically causes decrease in occlusion and impacts on the condyle in its cavity
 - crushing of the vessels
- Dvo = vertical dimension of occlusion. It can be physiological or pathological.
- If loss of DVO, the root cause must be sought.
- One of them very often is stress which can be characterized by teeth grinding or strong pressure of occlusion/ bruxism.

Remember that the brain doesn't have any lymphatic system to remove toxins and waste.

So if the blood stream to the brain isn't sufficiently guaranteed, with a 50% decrease of its flow, then the pressure can generate unbearable pains in the back of the head, neck and shoulders because of this hypertension.

- Typical example of "unexplained migraine" medically speaking.



➤ Compress this area containing Large vessels supplying the brain

➤ Increases the synovial liquid
➤ Decreases by 50% the brain blood flow

DVO = Dimension Vertical Occlusion
Decreases from just 1mm
Because of bruxism / TMJ ...etc

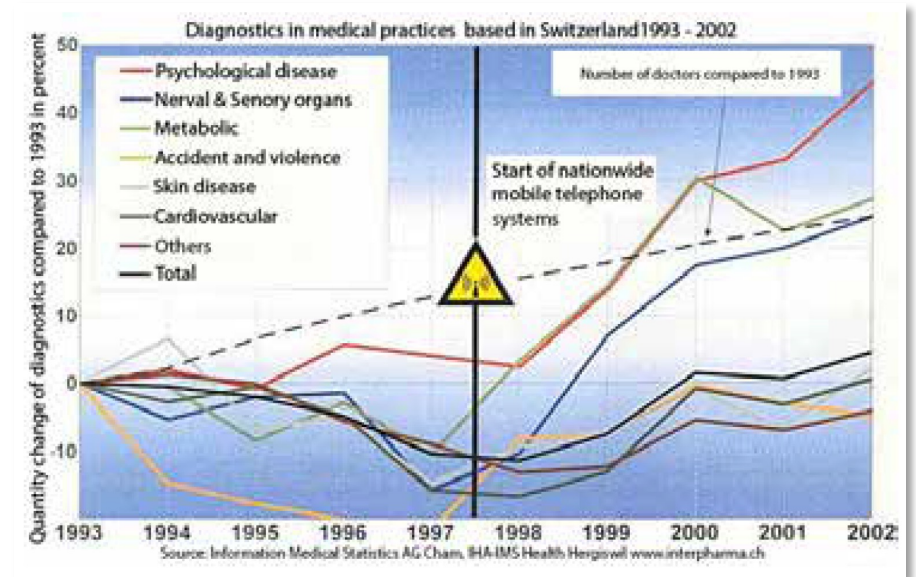
LINK BETWEEN STRESS AND CHRONIC DISEASE

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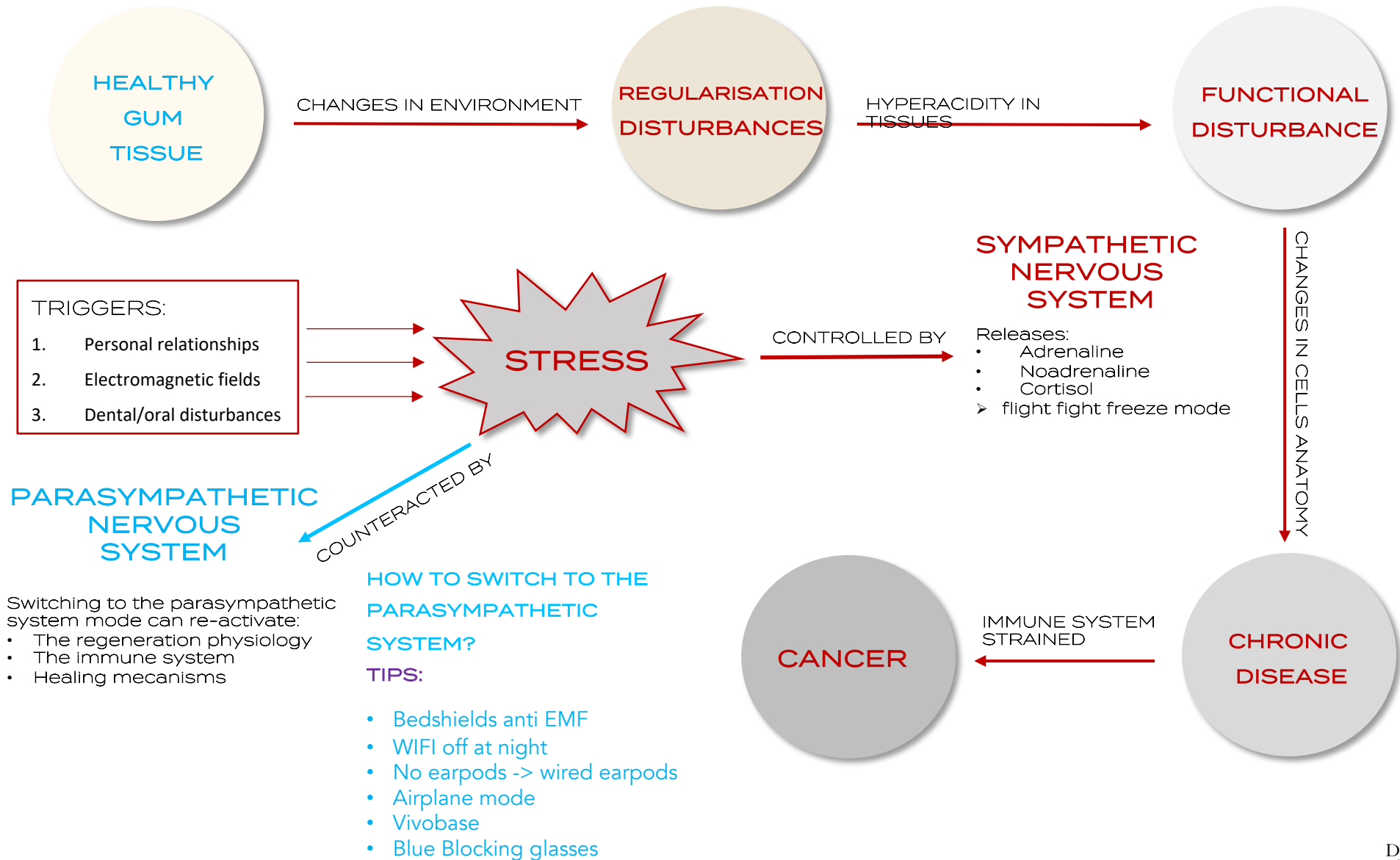
2. **EMF** -> consequences Parasympathetic system versus Sympathetic system

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SYMPATHIC VERSUS PARASYMPATHIC NERVOUS SYSTEM



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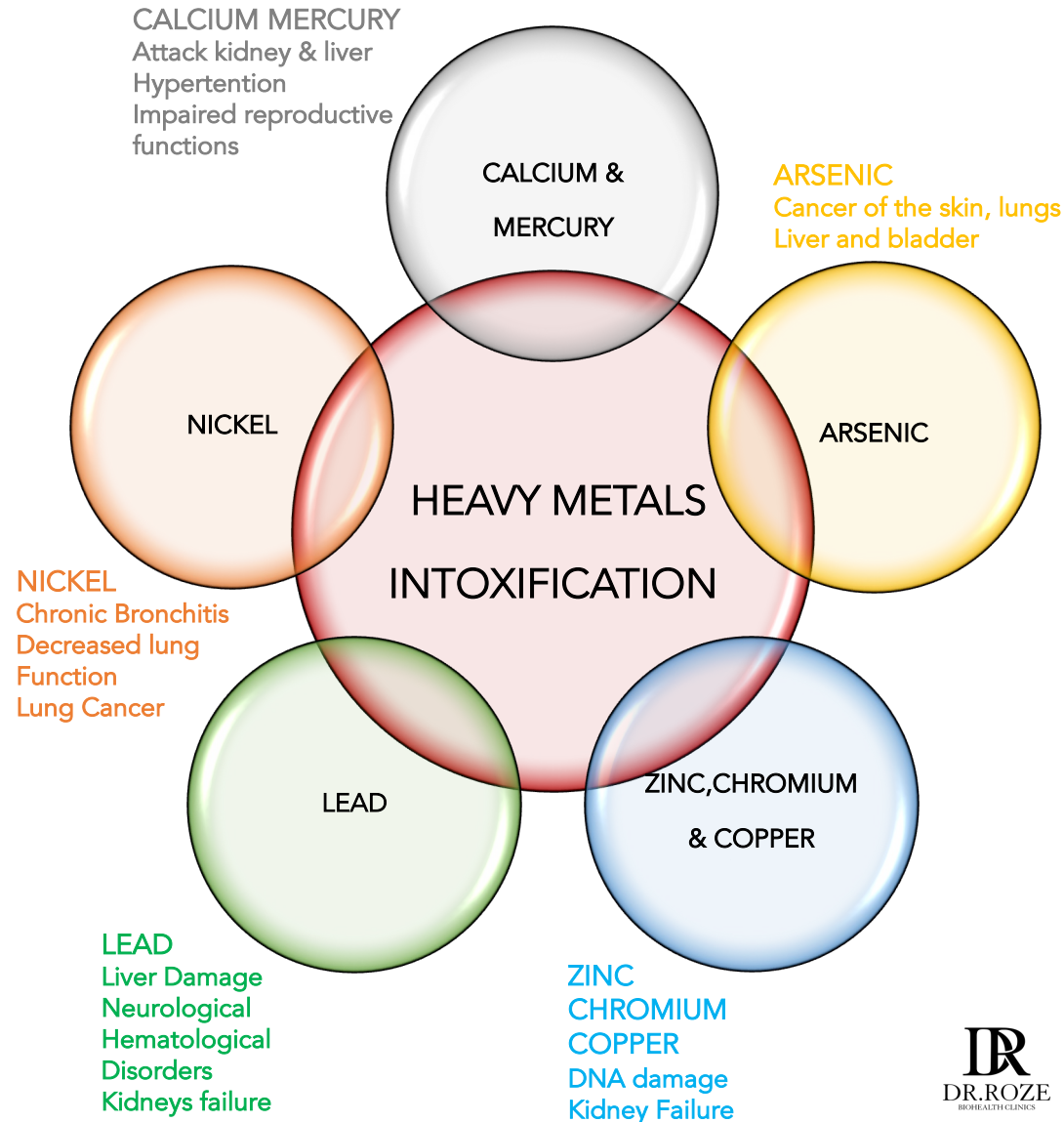
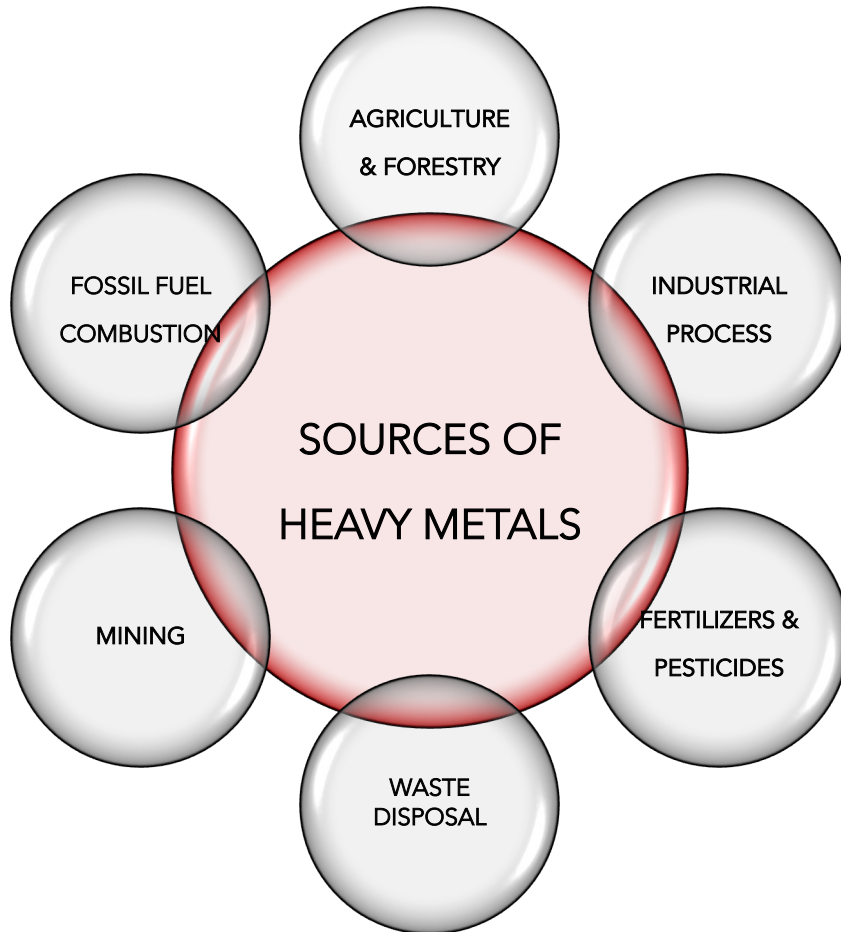
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HEAVY METAL INTOXICATION



HEAVY METAL INTOXICATION: **HAIR TESTING**



- With respect to its contained elements, hair is essentially an **excretory tissue** rather than a functional tissue. **Hair element analysis** provides important information which, in conjunction with symptoms and other laboratory values, **can assist the physician with an early diagnosis of physiological disorders associated with aberrations in essential and toxic element metabolism.**
- **As protein is synthesized in the hair follicle, elements are incorporated permanently into the hair with no further exchange or equilibration with other tissues.** Scalp hair is easy to sample, and because it grows an average of one to two cm per month, it contains a "temporal record" of element metabolism and exposure to toxic elements.
- Nutrient elements including magnesium, chromium, zinc, copper and selenium are obligatory co-factors for hundreds of important enzymes and also are essential for the normal functions of vitamins. The levels of these elements in hair are correlated with levels in organs and other tissues.

DENTAL AMALGAM FILLINGS: DID YOU KNOW ?



All silver-colored fillings are dental amalgam fillings, and each of these fillings is approximately **50 % Mercury (neurotoxic)**.



Metal fillings + crowns -> potential exposure to mercury, nickel, silver, tin, copper, gold, palladium, all of which release metallic ions (charged metal particles)



Mercury vapor is continuously emitted from dental amalgam fillings, and much of this mercury is absorbed and retained in the body.



Breathing mercury vapors can harm the nervous system, lungs and kidney. Mercury vapors can pass easily from the lungs to the bloodstream.



If you want to remove your amalgam fillings and replacing them with safe, non toxic material please get in touch with our **IAOMT Certified Specialists (SMART PROTOCOL)**

FATE IN THE BODY OF TOXIC MERCURY VAPOR...

CLINICAL CASE DR

• AUTOIMMUNE DISEASES

MHC Code
(Major Histocompatible Complex)

Heavy metal like dental amalgam fillings made of mercury change the MHC code.
If this change affects:

- Muscle cell -> Fibromyalgia
- Nerve Cell -> Alzheimer disease

CLINICAL DR

• AUTISM

Axonal Transport: ENDOTOXINS
Heavy metal like dental amalgam fillings made of mercury can be transported via AXON (nerve fibers).

- Nerve fibers -> Autism

SCIENTIFIC STUDY 1:

- Quantity of mercury in the mouth = same quantity of mercury in the brain



SCIENTIFIC STUDY 2

- Effects of the mercury (neuro toxic) on neurons is equivalent in 80% to the symptoms found in Alzheimer's disease.

But you can't say that your amalgam filling made of Mercury is going to give you Alzheimer's disease;

- Think by yourself
- Be aware

FACTS SHEETS:

- FDA acknowledged officially the effects of Mercury last year
- Dentistry is the only medical discipline still using Mercury
- Dentistry is the industry which uses the most Mercury in the world
- Scandinavian countries: Mercury fillings are just banned
- France: Mercury prohibited for pregnant women and children
- Smart protocol: when Mercury is removed with 7 layers of protection by your specialist -> The metal is placed in a hazardous sealed box

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WHAT IS A « CAVITATION » or Ischemic osteonecrosis?

1. A dental cavitation is an area of infection or inflammation or necrosis within the jaw bone.
2. If not treated correctly, it will fester and toxic elements could spread to others areas of the Body.
3. This type of lesion may be a hollow space surrounded by dead bone, or it may be filled with various inflammatory, toxic, or infectious elements.
4. One of the problems with a dental cavitation is that most of these lesions are painless.
5. However, if there is pain, they are usually called "Neuralgia-Inducing Cavitational Osteonecrosis" (NICO).



➤ **HEALTHY BONE TREATED WITH
OZONE & LASER DENTAL THERAPIES**



➤ **CAVITATION WITH LASTING
NECROTIC BONE**

Photos: J Oral Pathol Med 1999; 28:423.

Neuralgia inducing cavitational osteonecrosis in a patient seeking dental implant : <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3513818/>

« NICO's can refer pain across the midline; that is, a lesion in the right jaw can cause pain on the left side of the face, head, neck or body. Yes, NICO's can refer pain to various areas of the body, including the neck, arms and hands, legs and feet, groin. »

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TITANIUM IMPLANT

- ✗ Allergic reactions
- ✗ Titanium Allergy
- ✗ Metal Allergy
- ✗ Electrical conductor*
- ✗ Thermal conductor
- ✗ Corrosion sensibility
- ✗ Galvanic Reaction
- ✗ Tissue discoloration
- ✗ Greyness showing through the gum
- ✗ Metallic taste
- ✗ No Desmosomes lock
- ✓ Easy to place
- ✓ Cheaper
- ✓ Complex rehabilitation



CERAMIC IMPLANT

- ✓ Hypoallergenic
- ✓ Bio Compatible
- ✓ Non-conductive
- ✓ Corrosion resistant
- ✓ Very strong & Durable
- ✓ Bioactif
- ✓ Non toxic
- ✓ Remarkable integration with the bone
- ✓ Desmosomes lock
- ✓ Non polar structure
- ✓ No plaque buildup
- ✓ No metallic taste
- ✓ Aesthetic advantage of being white



*The temperature of your gum surrounding a titanium implant can increase over 3 degrees celsius when using a smartphone without wired earpods.

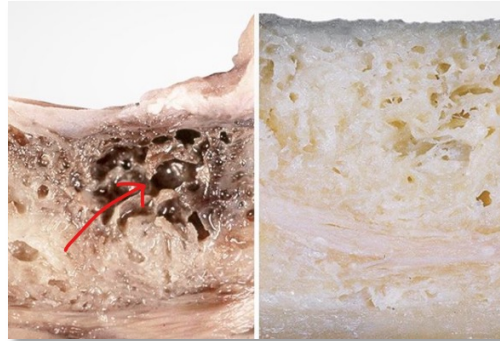
BENEFITS OF DENTAL OZONE THERAPY

APPLICATIONS

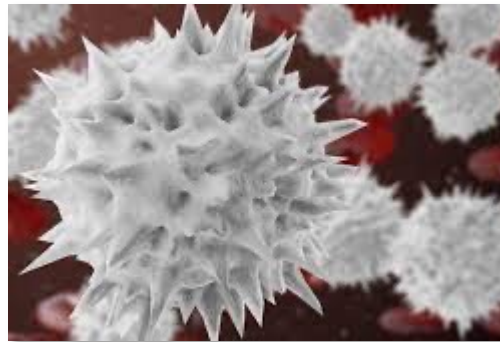
- Oral lichen planus
- Gingivitis & Periodontitis
- Halitosis
- Osteonecrosis of the jaw
- Pain management
- Plaque & biofilm elimination
- Root Canal Therapy
- Sensitivity
- Temporomandibular Disease
- Teeth Whitening

EFFECTS

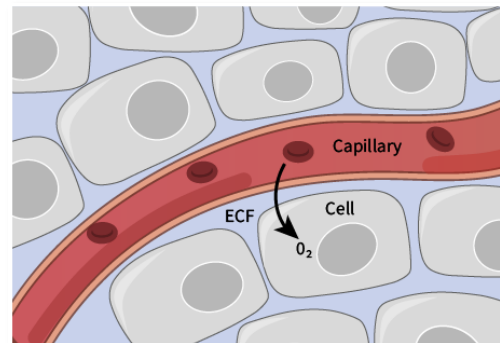
- Anti- microbial
- Immune-Modulatory
- Antihypoxic effect
- Anti-inflammatory
- Bio-Synthetic



1. TREATS CAVITATIONS
AND DEEP INFECTIONS
BY KILLING PATHOGENS



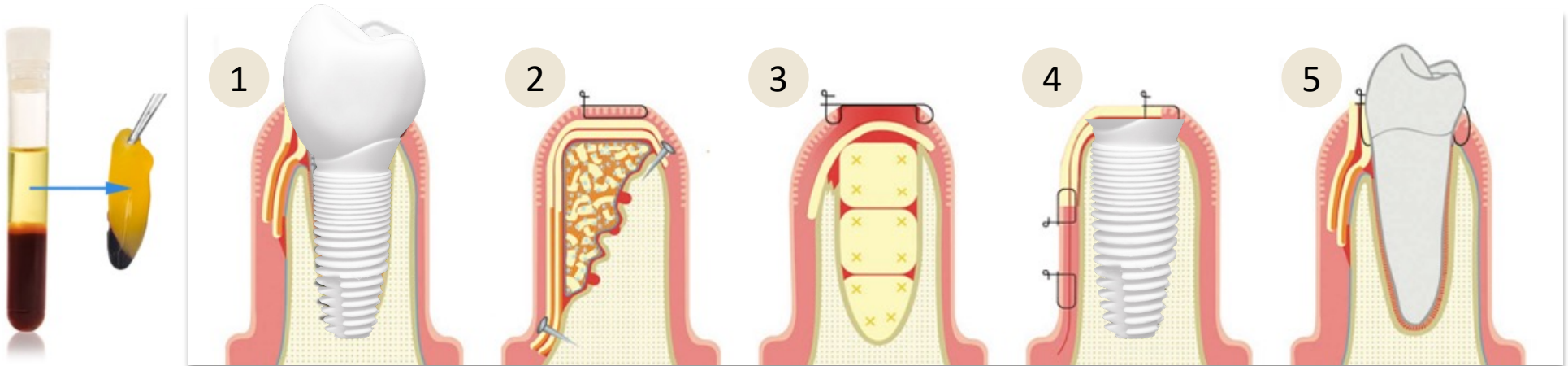
2. STIMULATES WHITE
BLOOD CELLS TO
FIGHT INFECTIONS



3. INCREASES TISSUE
OXYGENATION TO
SUPPORT THE BODY'S
HEALING PROCESS

BENEFITS OF PRF IN BIODENTISTRY

CLINICAL APPLICATION	HOW DOES IT WORK?	BENEFITS
<p>Since a-PRF™ multiplies the body's natural healing ability, there is a wide range of applications in dentistry, such as:</p> <ul style="list-style-type: none"> • Dental Implants (1) • Bone Regeneration, such as Jaw Augmentation or Sinus Lift procedures (2) • Tooth extraction including wisdom tooth (3) • Gum Regeneration (4) • Cosmetic Periodontal Surgery (5) 	<p>The goal of this method is to collect an a-PRF™ clot – platelet rich fibrin – from the patient's own blood.</p> <p>This clot is rich in leukocytes and growth factors such. These growth factors help the body heal by activating stem cells to regenerate new tissues. The more growth factors are released during healing, the more stem cells will be activated to produce new tissue.</p>	<ul style="list-style-type: none"> • Faster healing • Less post-operative swelling and pain • Increased vascularization in the operated area • Lower risk of infection and complications – especially in complex cases • Better and faster bone regeneration • The a-PRF™ is a 100% natural method since we isolate growth factors from the patient's own blood

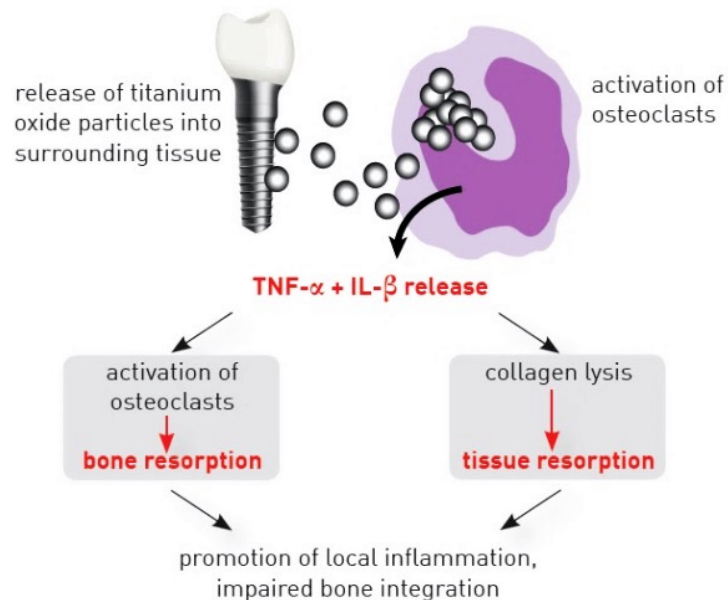


DENTAL TITANIUM IMPLANT ALLERGY

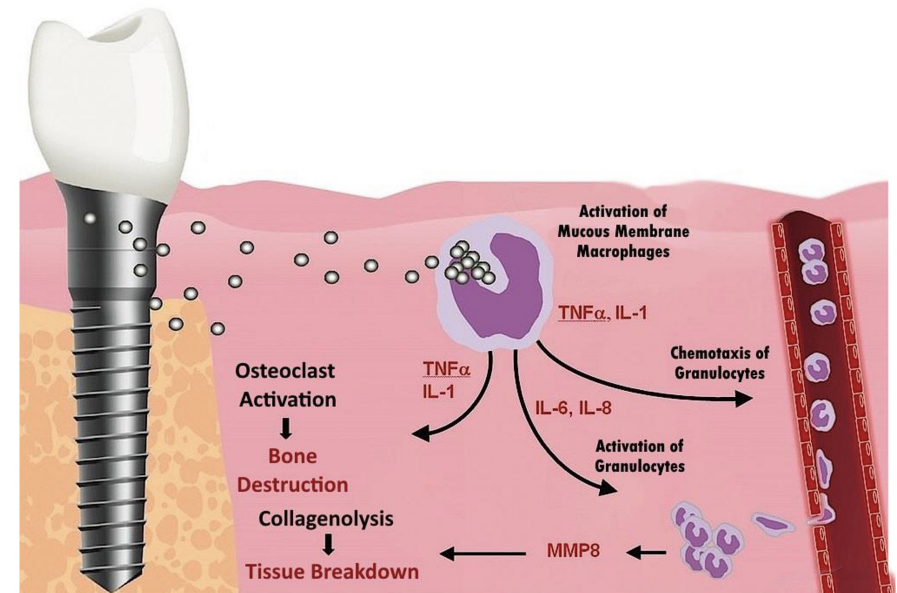
Vicious Circle:

- Titane Allergy (very rare) happens (<2%)
- Titane particles can trigger particular induced inflammation.
- Macrophages are activate and phagocytized these particles
 - Stimulus osteoresponse = pro-inflammatory cytokines (TNF&, IL-B)
 - Periimplantitis
 - Polishing neck
 - More particles
 - More Inflammation

1. Replace Titanium implant by ceramic
2. Vit C / D3, K2, K&, Magnesium, Zinc and Omega 3 Supplementation



1/- Particle-activated macrophage release proinflammatory cytokines with local tissue effects



2/- Activated macrophages activate an inflammatory cascade

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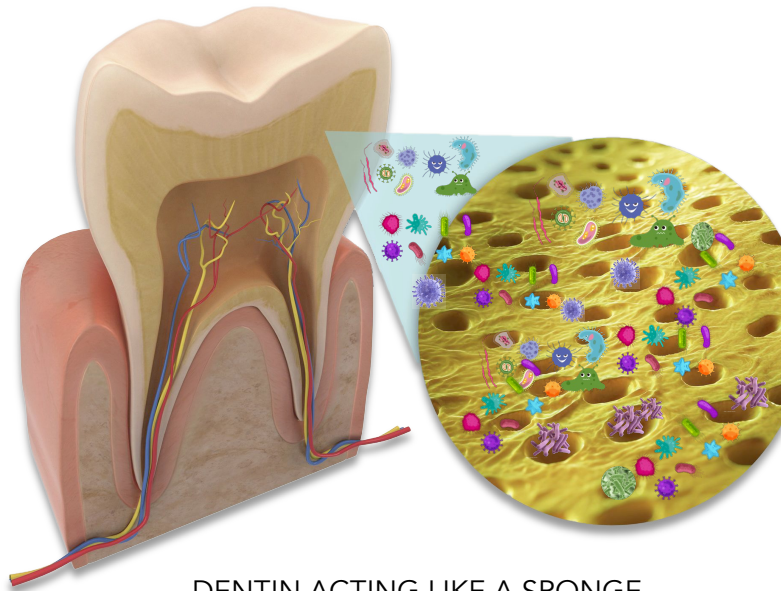
ROOT CANAL TREATMENTS : SILENT KILLERS & INFLAMMATION

FACTS:

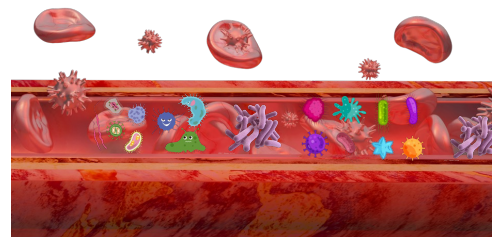
- Tubule diameter in the dentin: $1 \pm 3 \mu\text{m}$
- Bacteria diameter : $0.06 \mu\text{m}$
- Macrophage diameter : $0.20 \mu\text{m}$
- 40 000 dentin tubules: 60000 tubules per mm^3 per tooth

FOCUS:

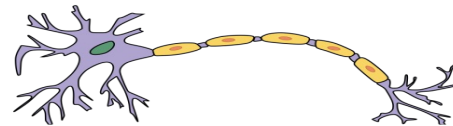
- Dentin is porous (diameter : 1 to 3 μm = huge canals comparing to bacteria's diameter) and acts like a sponge.
- Microbes, bacteria are absorbed...Microbes, bacteria escape in the bloodstream (Bacterial translocation) characterized by endotoxemia (Increase of endotoxins in the bloodstream) and spread.
- Widespread inflammation throughout the rest of the body



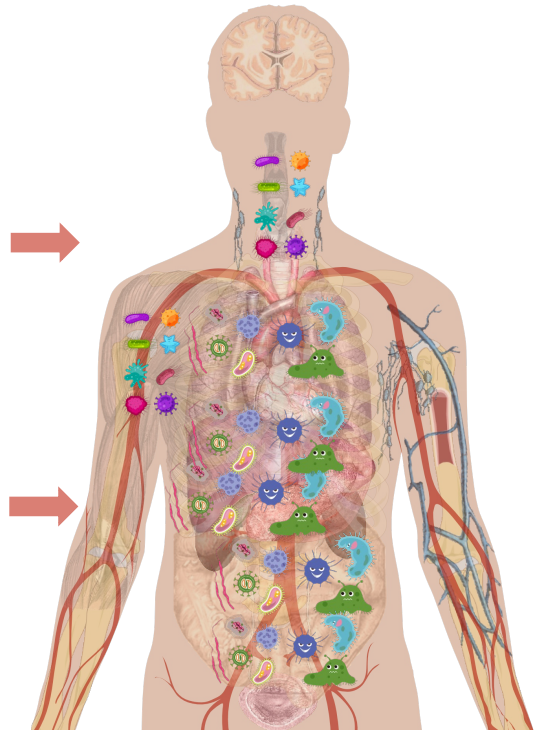
DENTIN ACTING LIKE A SPONGE



BACTERIAL TRANSLOCATION
THROUGH THE BLOODSTREAM



ENDOTOXINS TRANSLOCATION
THROUGH THE NERVES (AXON)

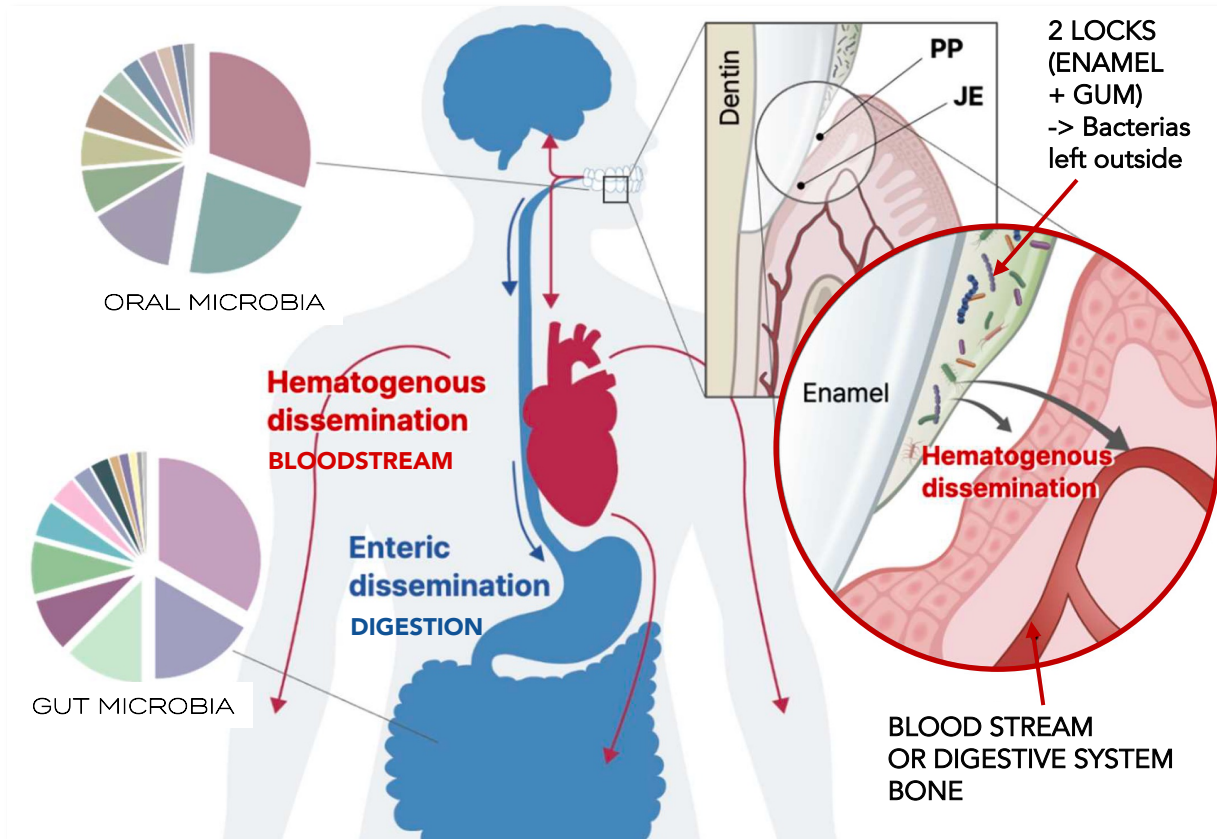


WIDESPREAD INFLAMMATION

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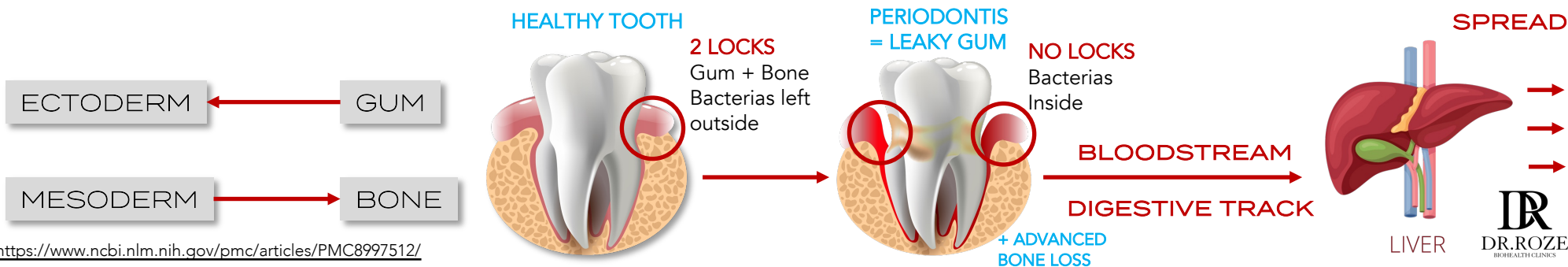
HOW LEAKY GUM CAN SPREAD INTO LEAKY GUT:



MOUTH:

- Mirror of the body
- Air Food
- 5th Cranial Nerve taking 50% of the total space of the 12 cranial nerves
- ECTODERM = Primary germ layers of the Gum / Stomach / Intestine.

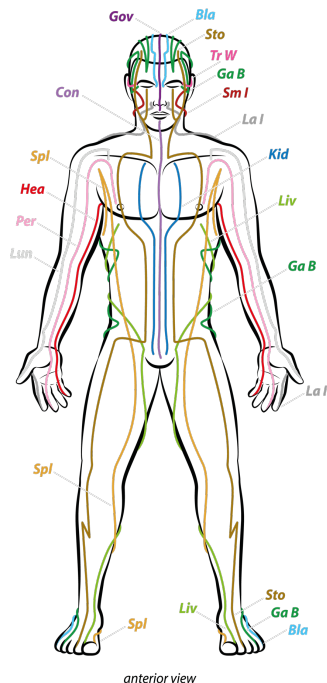
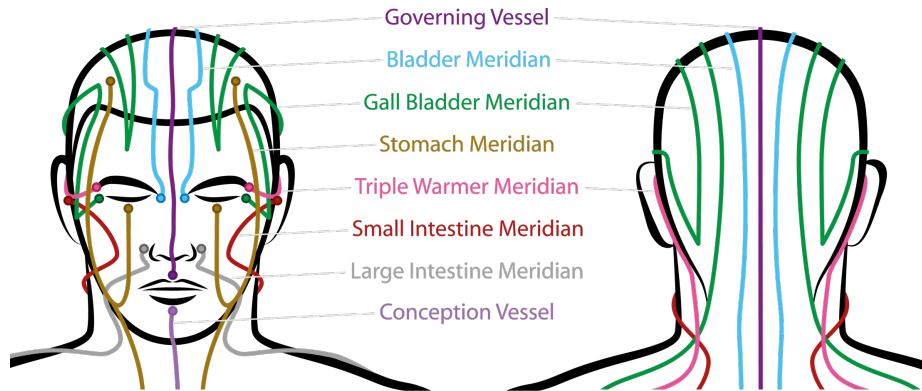
1. THE ECTODERM gives rise to the skin and the nervous system.
2. THE MESODERM specifies the development of several cell types such as bone, muscle, and connective tissue.
3. Cells in the ENDODERM layer become the linings of the digestive and respiratory system, and form organs such as the liver and pancreas.



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MERIDIAN SYSTEM AND LINKS BETWEEN TEETH & ORGANS

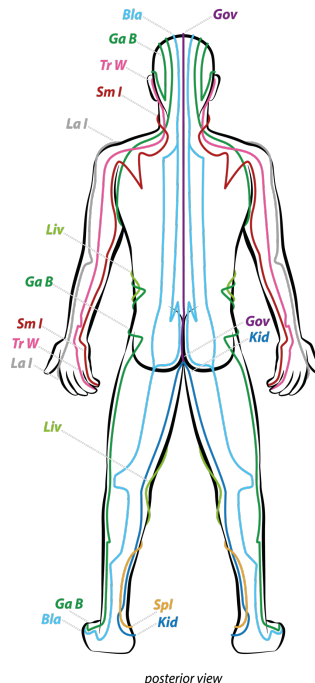


Two Centerline Meridians:

Conception Vessel
Governing Vessel

Twelve Principal Meridians:

Stomach Meridian
Spleen Meridian
Small Intestine Meridian
Heart Meridian
Bladder Meridian
Kidney Meridian
Pericardium Meridian
Triple Warmer Meridian
Gall Bladder Meridian
Liver Meridian
Lung Meridian
Large Intestine Meridian



MERIDIANS:

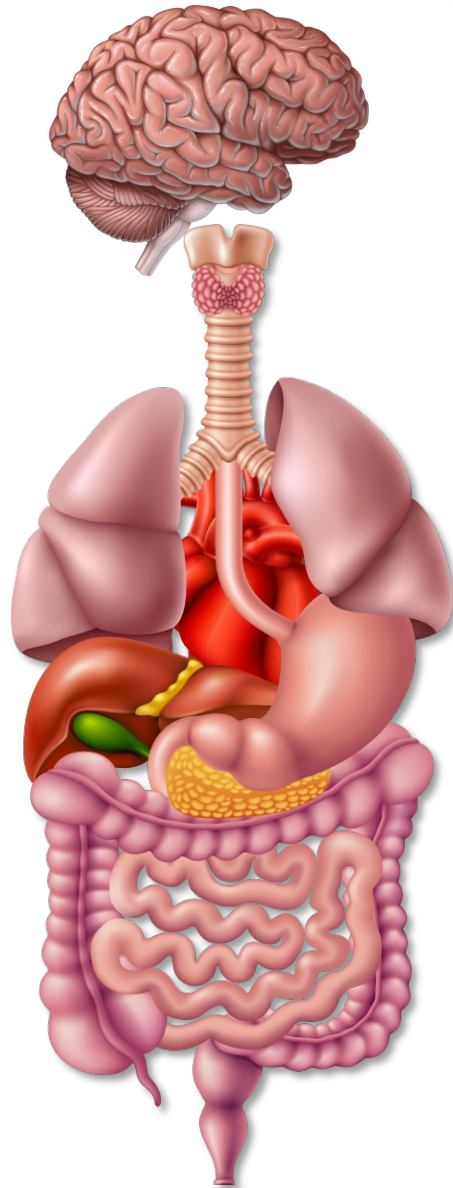
- Through the facial muscle
- Acupuncture points
- Neurovascular bundle

1. **Transmission of information along the meridians** demonstrated by injecting radioactively labelled substances at the acupuncture point.
 2. **Each of these meridians traverses a specific tooth group** and its associated with certain anatomical structures and organ zones
 3. If a biological dentist is familiar with the **teeth and the dental zones that are linked to a particular organ or organ zone**, this allows him or her to have a targeted consultation, with the patient, based on disturbances along this meridian.
- To stimulate improvement along the meridian related to the painful zone, with neural therapy in the corresponding tooth zone = Procaine injected in the corresponding tooth
5. MYOTOM: Oral Cavity around the teeth C1 and C2. Basically, all **oral disturbances in the mouth appear as neck pains**, usually associated with limitations of the mobility of the head.

MERIDIAN: Traverses tooth system

Daily basis: 15 000 tooth contacts

THE ORAL HEALTH & GUT-BRAIN AXIS « GBA »:

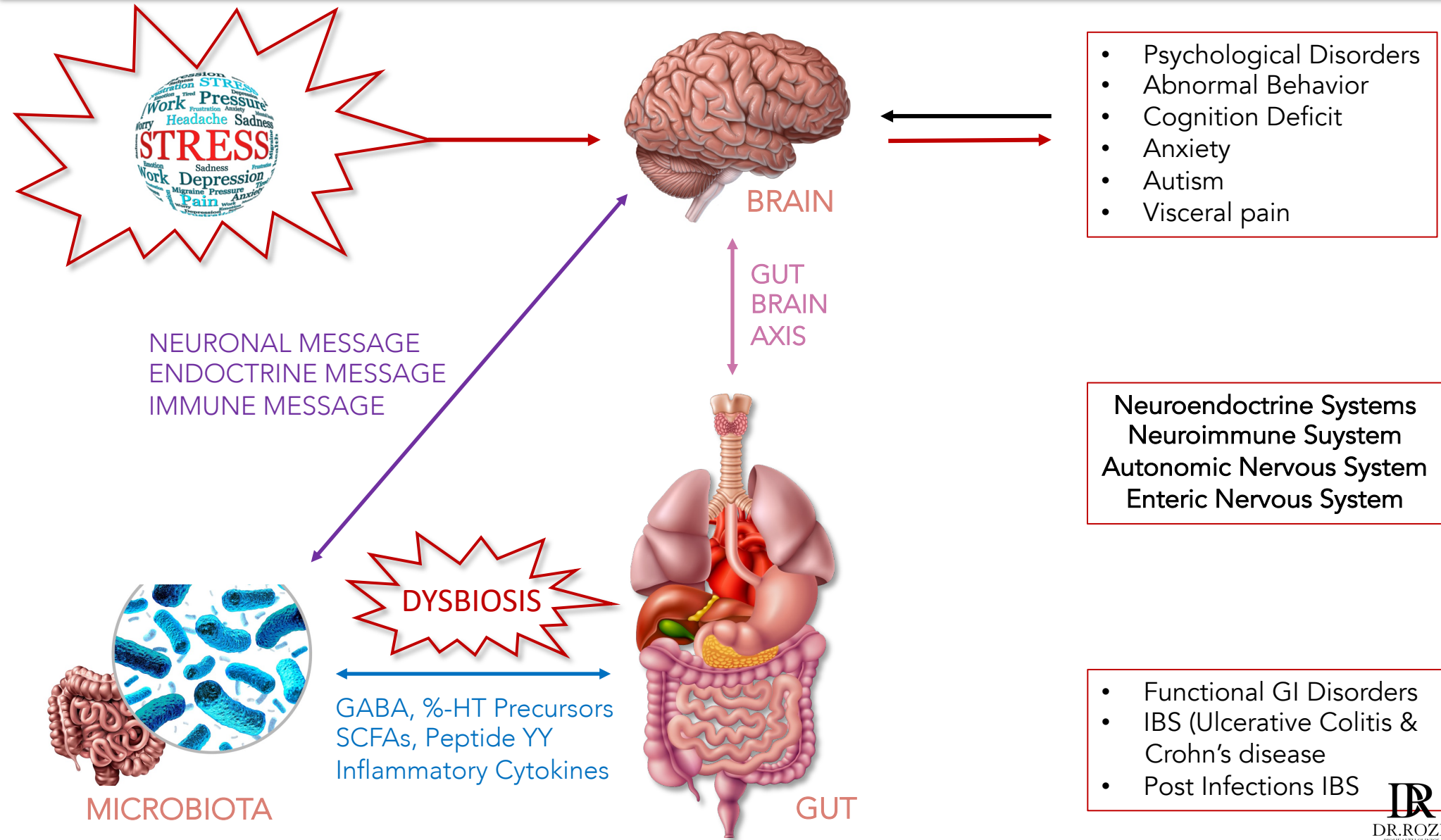


The **Gut - Brain Axis (GBA)** consists of **communication** between the **central** and the **enteric nervous system**, linking emotional and cognitive centers of the brain with peripheral intestinal functions.

A **healthy gut biome** is integral to decreasing your risk for diseases of the brain and nervous system.

Your **oral health** has downstream effects in virtually every other system in the body.

THE ORAL HEALTH & GUT-BRAIN AXIS EXPLAINED:



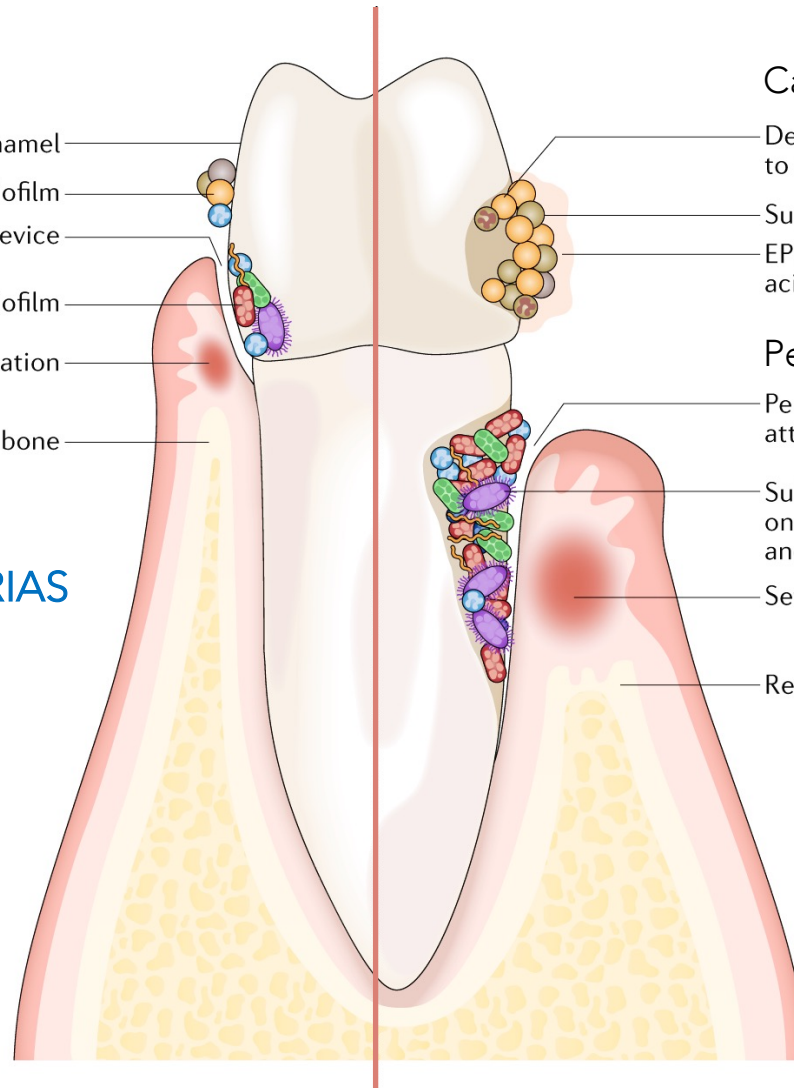
YOUR ORAL MICROBIOME IS THE MAKEUP OF THE MICROORGANISMS IN YOUR MOUTH AND THROAT

HEALTH

Intact enamel
Supragingival eubiotic biofilm
Gingival crevice
Subgingival eubiotic biofilm
Homeostatic inflammation
Intact bone

HOW TO GET GOOD BACTERIAS

- Improve your oral hygiene
- Use probiotics
- Nutrient dense food
- Avoid sugar
- Avoid acidic food & drinks
- Drink water
- Quit smoking
- Promote saliva production
- Relax and work on your stress



Caries

Demineralized enamel leading to cavitation
Supragingival dysbiotic biofilm
EPS matrix and acidogenic-aciduric environment

Periodontitis

Periodontal pocket, attachment loss
Subgingival dysbiotic communities on root surface, in GCF and in and on the epithelium
Severe, destructive inflammation
Resorbed bone

DISEASE

BAD BACTERIAS

HOW IMPORTANT IS YOUR ORAL MICROBIOME FOR YOUR OVERALL HEALTH?



HOW TO KEEP YOUR ORAL MICROBIOME WELL BALANCED AND HEALTHY?

- FOOD HABIT
- SMOKING
- DISEASES

- POOR ORAL HEALTH
- MEDICATIONS

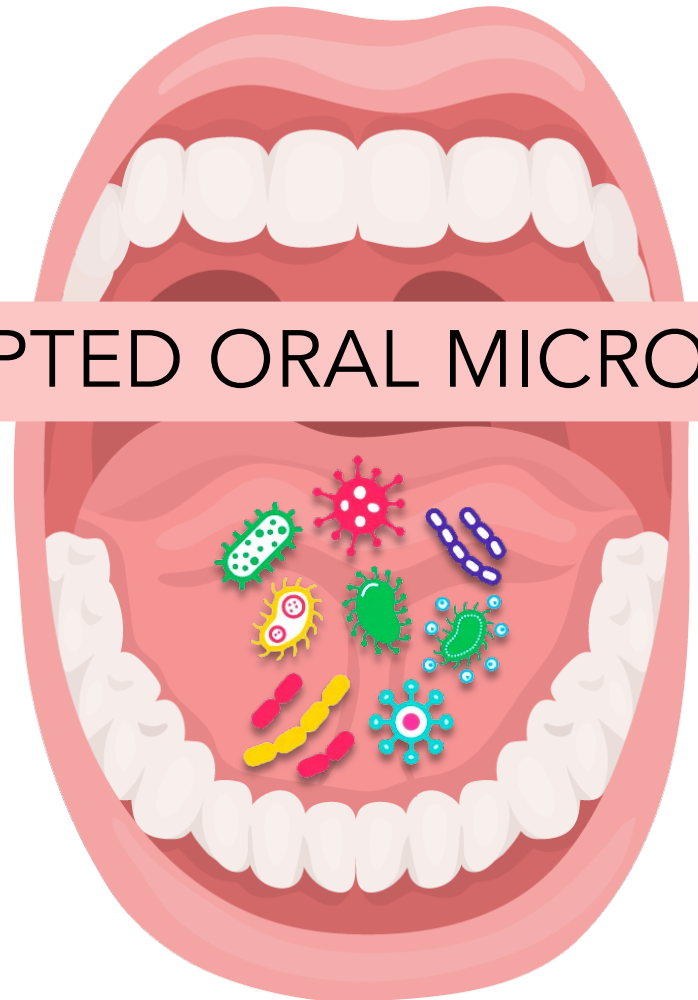
DISRUPTED ORAL MICROBIOME

ORAL DISEASES:

- PERIODONTITIS
- TOOTH LOSS
- GINGIVITIS
- ORAL CANCER

RESPIRATORY DISEASES:

- PNEUMONIA
- ASTHMA
- COPD
- LUNG CANCER



HOW SALIVA IS IMPORTANT AND BENEFITS ORAL HEALTH:

SALIVA CONTAINS:



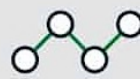
Electrolytes



99% water



Enzymes



Proteins



Minerals

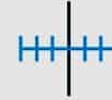


Antibacterial
compounds



Mucous

BENEFITS



Balances the pH
of the mouth



Prevents
tooth decay



Fights
infection



Heals wounds



Promotes blood
clotting



Reduces pain



Enables
swallowing



Prevents
heartburn



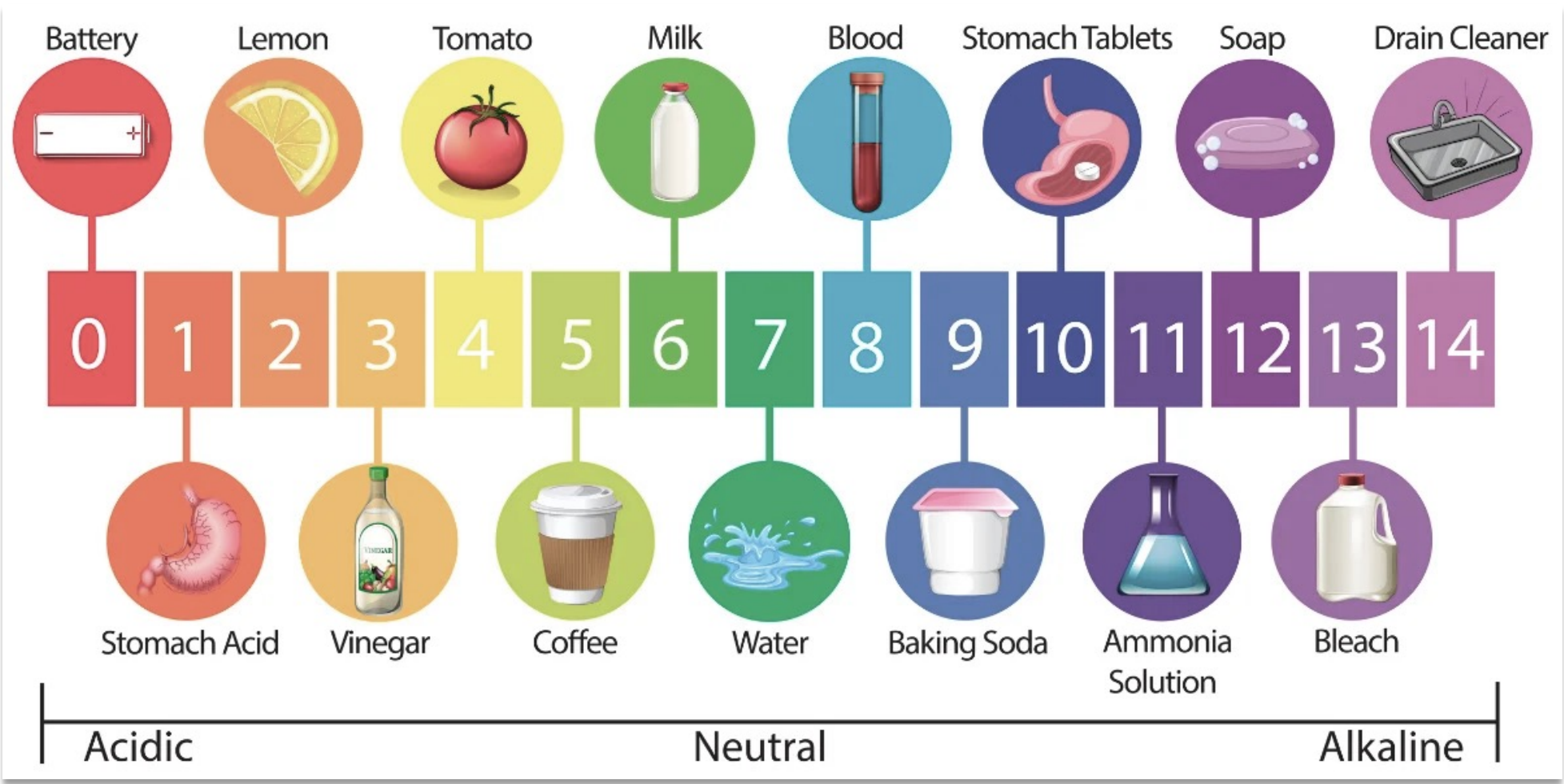
Dissolves food chemicals, allowing taste
bud receptors to detect them

WHAT ARE THE FUNCTIONS OF SALIVA?



Capture d'écran

HOW CAN YOU GET YOUR SALIVA TESTED: PH SCALE



TIPS AND TRICKS: HOW TO MAINTAIN A HEALTHY SALIVA?

To keep your saliva healthy and producing at a high rate:

1. **Stay well-hydrated.** Experts suggest drinking half your body weight in ounces of water every day. If you weigh 150 pounds, you should drink at least 75 ounces of water each day. Eat hydrating foods, too, like celery and watermelon.
2. **Address seasonal and household allergies** to help encourage nasal breathing and avoid mouth breathing.
3. **Practice good oral hygiene**, including teeth brushing, flossing, tongue scraping, and oil pulling.
4. **Chew erythritol or xylitol gum and/or mints.** These sugar alcohols increase the amount of saliva you produce and may support tooth remineralization.
5. **Eat foods of different textures.** Eating foods that require significant chewing encourages salivary flow.
6. **Mouth Tape** every night. Mouth breathing during sleep is one of the main drivers of dry mouth.
7. **Use artificial saliva products** like Biotene gel which provide moisture for people who simply can't produce enough saliva. In severe cases, your dentist may be able to prescribe sprays to moisten the mouth.
8. **Avoid traditional mouthwash.** Most mouthwash dries out the mouth and destroys the oral microbiome.
9. **Rinse with a diluted baking soda solution** a few times per day. This may provide an additional buffer within the mouth and keep cavities under control.

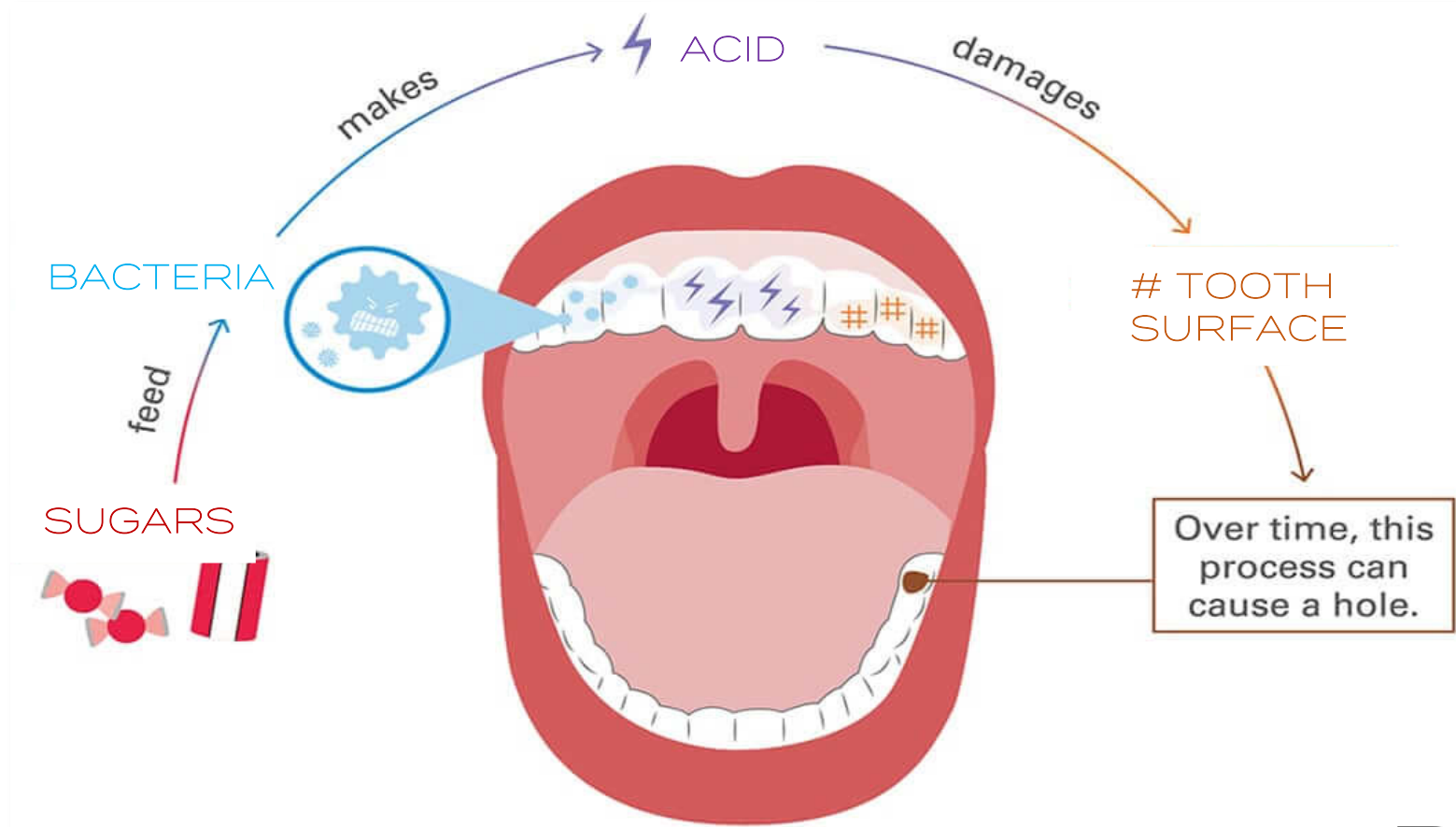
Can saliva damage teeth? Technically, a *lack* of saliva can damage teeth.

If you sleep with your mouth open, have a condition such as Sjogren's syndrome, or take medications that cause dry mouth, you probably have low rate of saliva flow. Particularly at night, slow saliva flow will lead to cavities and potentially other issues like gum disease or sensitive teeth.

TOOTH DECAY HAPPENS WHEN THERE IS IMBALANCE IN THE ECOSYSTEM DUE TO:

Tooth decay happens when there is an imbalance in the ecosystem of the mouth due to

1. Fluctuation of the Ph of the saliva
2. Acid bacteria too numerous
3. Fluctuation of the saliva flow (too little due to mouth breathing, medications...)
4. Change in the microbial composition due to chronic inflammation, poor dental restoration, etc



HOW TO MANAGE YOUR TEETH AT HOME?

HYDROXYAPATITE



FLOSSING



ALKALIZING RINSES



OZONATED OIL



SUPPLEMENTS

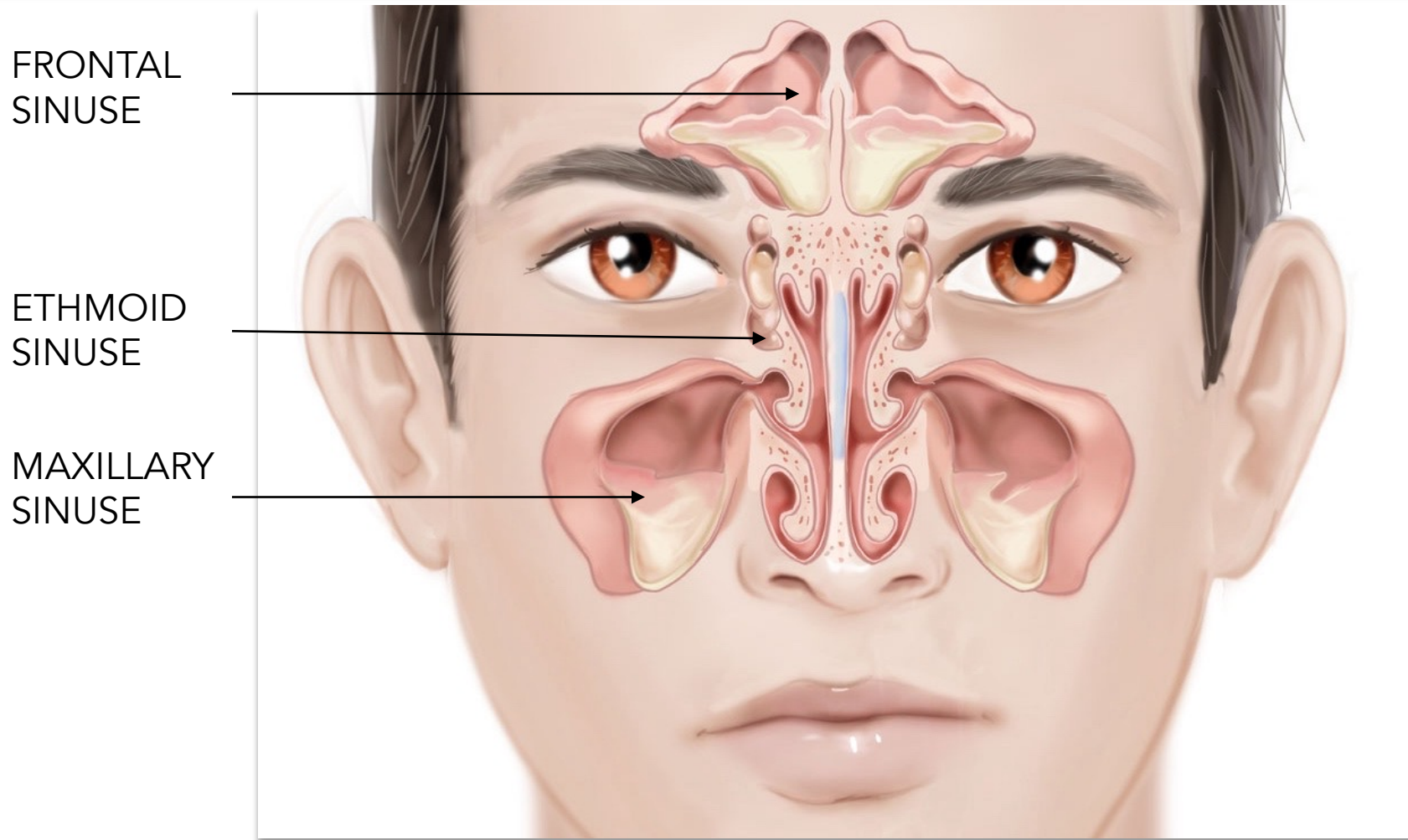


TOOTH POWDERS



CAVITY REMINERALIZATION & REVERSAL TIPS

WHY NASAL BREATHING IS VITAL?



BECAUSE OUR PARANASAL SINUSES PRODUCE A
CRITICAL NUTRIENT: « NITRIC OXIDE »

NITRIC OXIDE IS A MIRACLE MOLECULE:



- ✓ INCREASES ENERGY PRODUCTION
- ✓ INCREASES BLOOD FLOW TO VITAL ORGANS
- ✓ MANAGES DIABETES BY REGULATING INSULIN
- ✓ PREVENTS DIABETES COMPLICATIONS
- ✓ LOWERS BLOOD PRESSURE & LOL
- ✓ REVERSES ATHEROSCLEROTIC PLAQUE FORMATION
- ✓ REVERSES KIDNEY DISEASE / FAILURE
- ✓ OFFSETS DAMAGE FROM TOBACCO USE
- ✓ ENHANCES MEMORY AND COGNITIVE FUNCTION
- ✓ ANTI-AGEING EFFECTS
- ✓ BOOSTS EXERCISE PERFORMANCE AND ENDURANCE

WHY IS MY CHILD MOUTH BREATHING OR SNORING AT NIGHT?

INCORRECT
TONGUE
POSTURE

ALLERGIES

OBSTRUCTED
AIRWAYS



TONGUE
TIE

ENLARGED
TONSILS
ADENOIDS

LOW
MUSCLE
TONE

DO YOU KNOW THE IMPORTANCE OF LIPS CLOSED AT REST?



1

PREVENTS DRY MOUTH

2

PROMOTES NASAL
BREATHING

3

HELPS TO MAINTAIN
BALANCE OF THE
ORAL MICROBIOME

4

ENCOURAGES PROPER
ALIGNMENT OF THE
TEETH

CONVENTIONAL (ALLOPATHIC) MEDICINE	FUNCTIONAL, INTEGRATIVE MEDICINE
Diagnoses Illness	Identifies the sources of illness
Treats Illness	Restores healthy functions to enable the body to eliminate illness
Relies primarily on pharmaceuticals, surgery and medical procedures to treat illness	Employs numerous approaches, including conventional, functional, chiropractic, osteopathic, nutrient infusion, weight loss, orthopedic, foundation training, environmental interventions, and lifestyle changes
Treats all patients with similar symptoms alike	Tailors the treatment to each individual
Patients passively receives treatments	Patients actively participates in diagnosis and treatment, which often requires attending to environmental and lifestyle factors.
Treats from the outside in to alleviate symptoms and illness	Treats from the inside out to remove the source of illness and restore health

BIOLOGICAL DENTISTS AND FUNTIONAL DOCTORS HAND TO HAND

CONVENTIONAL (ALLOPATHIC) DENTISTRY	BIOLOGICAL DENTISTRY
Focuses solely on fixing the immediate dental problem	Identifies the sources of the problem taking a whole approach of the body
Appropriate within the context of emergencies	Heals chronic illnesses and inflammations correcting the dental procedures that might have causes or aggravated them
Conventional diagnostic tools, antibiotics / painkillers treatments	Specific X Rays with immune boost treatment, PRF and ozone dental therapies
Root canal Treatment for tooth being infected or damaged	Avoids Root Canal Treatment and if ultimately needed, Doctor Roze Protocol "Revitalizing Endodontics"
Tooth extraction including wisdom tooth	Dr Roze Protocol "Biological Extraction" to avoid cavitation or dry socket
Mercury amalgam fillings, crown and titanium implants	Smart Protocol, bio-Compatibles materials and ceramic implantology

THANK YOU!

#feelgoodandsmile