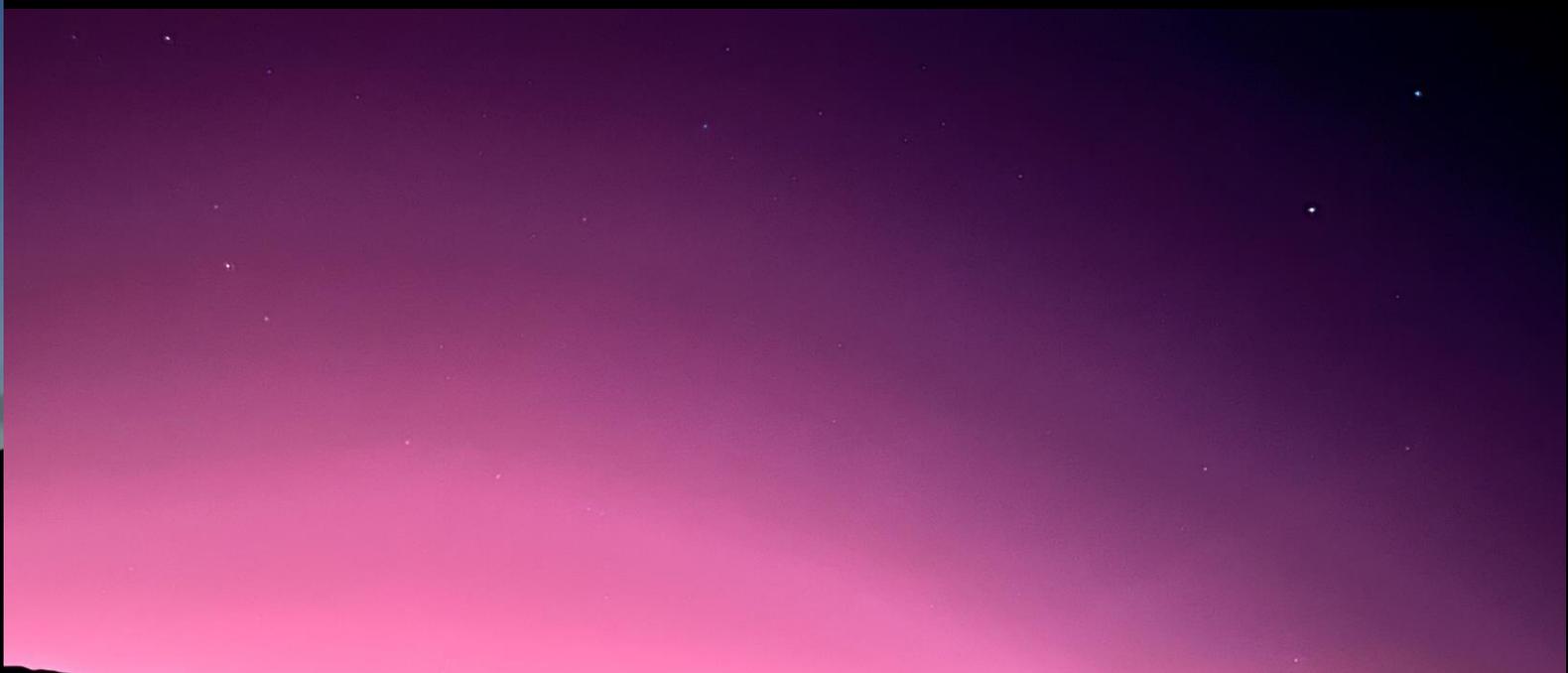




Timothy M. Bizga, DDS, FAGD







THANK YOU FOR YOUR ATTENDANCE*

Complete the form below to gain access to
FREE handouts, special offers & exclusive information.

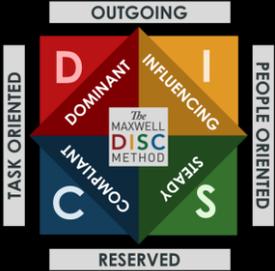
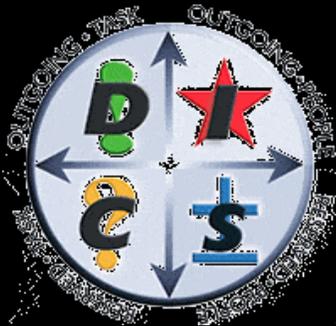


First Name

First Name

www.2thLectures.com

ABOUT ME





DISCLAIMER

I participate in multiple product reviews each year in order to stay at the fore front of the latest materials, techniques and services available, ensuring that the message I deliver is current and relevant to today's continuing education needs.

Some of these products & services I will be sharing with you today.

Today I am supported in part by:

GC, Pearl, Shofu, Deka laser

Objectives

- Share my experience and tell stories
- Be authentic
- Have fun





Perspective Principle

1. How we VIEW things determines how we DO things
2. What you SEE is who you will BE
3. When we CHANGE the way we look at things- the things we look at CHANGE
4. What I BELIEVE, determines how I PERCEIVE (your subjective construct)

Here is what
I know

- I am deeply passionate about consumer access to affordable care AND...the right of health-care provider to remain independent while earning a living

I also
know...



- The Industry is **BROKEN** and Dentist are footing the bill...
 - Payroll has gone up
 - Rent has increased
 - Equipment costs ↑
- Since 1997 the market has grown 70%, while dentists remain flat
- YET reimbursement through primary payment channels in dentistry (i.e. dental insurance) is stagnant or declining
 - 2011-16 charges to insurers increased in 36 states; while reimbursements during same period **DECREASED** in 46 states

A Tale of Three Groups of Independents

Independent Pharmacy



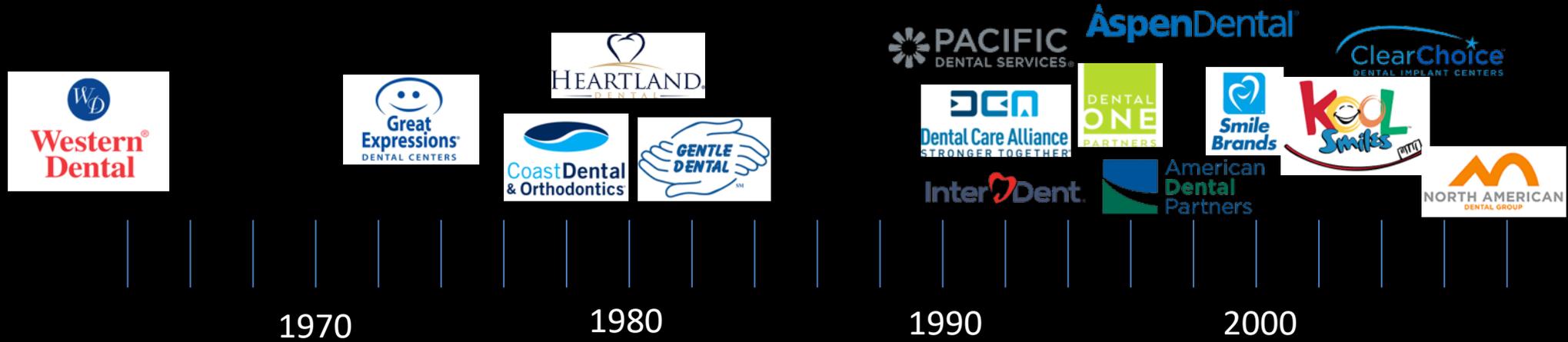
Independent Hardware



Independent Optometrists



DSOs continue to expand



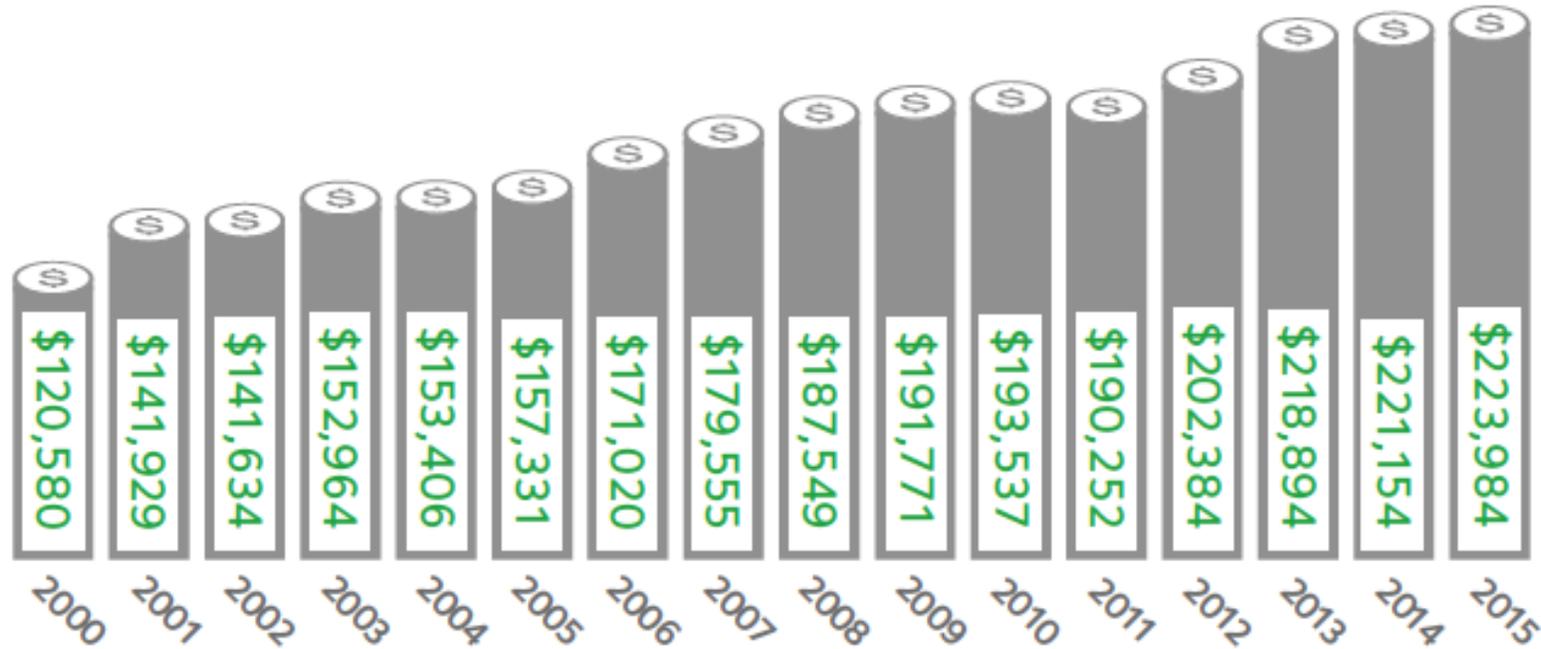
Private Practice Ownership Declining

PERCENTAGE OF DENTISTS IN PRIVATE PRACTICES WHO ARE OWNERS, BY AGE GROUP



In 2017, younger dentists are attaining ownership at a decreased rate compared to 2005.

Trends in Education Debt



\$297,331

average debt per
graduating senior in 2023

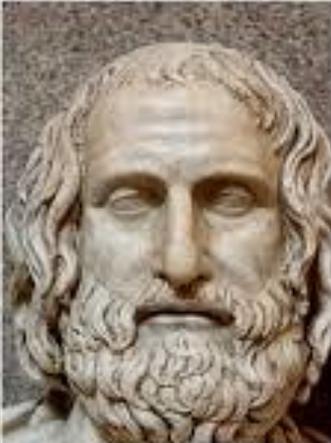
*American Dental Education
Association (ADEA)*

AVERAGE EDUCATIONAL INDEBTEDNESS of graduating dental students has increased an average of 4.2% annually between 2000 and 2015 after adjusting for inflation.

Source: American Dental Education Association, Survey of Dental School Seniors, 2015 Graduating Class.

Dentistry's 8 Game Changers

1. The Great Resignation
2. Changes in Patient Buying
3. More Dental Schools
 - 16 opened since 2008
4. Higher Student Loan Debt
5. Decrease in Insurance Reimbursements
6. Expansion of DSOs or Corporate Dentistry
7. Fewer Private Practice Associateships Available
8. Delayed Retirement



There is safety in numbers.

— Euripides —

AZ QUOTES

A graphic featuring a classical marble bust of the Greek playwright Euripides on the left. To the right, the text "There is safety in numbers." is displayed in a white serif font. Below it, "— Euripides —" is written in a smaller, italicized serif font. At the bottom right, the logo "AZ QUOTES" is visible in a white sans-serif font.



Built for Dentists by Dentists

1) Real savings that move the needle

Meaningful reductions on supplies, labs, equipment, technology, and major investments.

2) Doctors leading doctors

A peer-driven network of owners who share what is working in real private practices.

3) A community that actually shows up

Live events, study clubs, and national connections that go far beyond an online group.

4) Support for every stage of ownership

From first practice to multi-location growth to long-term exit planning.

5) Growth that extends beyond the dental chair

Tools and guidance to build a stronger business, better team, and more sustainable life.





Adding Select Dental Services

- Brilliant Ways to Grow
 1. Dental Implants
 2. Adult Ortho
 3. Sleep Apnea/Lasers
 4. Botox/Fillers
 5. Cosmetic/Preventative Dentistry/ENDO
 6. Robust Hygiene Program

A Fork in the Road...

- Treat Children
 - Totally fee for service
 - Guiding growth and development
 - 4-6months of habit correction
 - Custom appliance to facilitate eruption
 - Goal is to prevent long-term adverse effects
- Treat Adults
 - Possibility of Medical Billing
 - Sleep studies are required
 - Manage symptoms
 - Multiple appliance options
 - Studies show some remission and lack of long-term efficacy

- Extended Bottle Feeding and Pacifier Use
- Causes Poor Tongue Position and Abnormal Swallowing
- Sugar/ Processed Foods can have an effect
- Poor Oral Habits (thumb / finger / lip sucking, tongue thrust, etc.)

Mouth Breathing / Snoring

- Restless Sleep / Arousals
- ADD / ADHD
- Bed Wetting
- Chronic Allergies
- Nightmares
- Daytime Drowsiness
- Aggression / Defiance / Anger
- Difficulty in School
- Frequent Infections

Sleep Disordered Breathing

Compromised Airway

- Reduces airway / Restricts Airflow
- Reduces Oxygen / Increases CO2
- Affects Brain Function / Immune & Endocrine Systems
- Swollen Adenoids / Tonsils
- Low Tongue Position / Tongue Thrust
- Underdeveloped Dental Arches
Overjet / Open Bite
- Cross Bite



Outward Symptoms

Neurophysiological:

- ADD/ADHD
- Depression
- Morning headaches

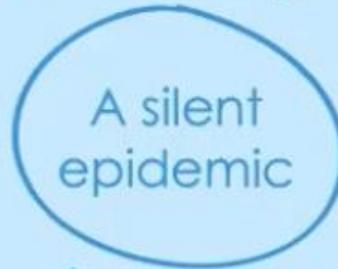


Developmental/ Hormonal:

- Delayed or stunted growth
- Predisposition to obesity, diabetes
- Mouth breathing
- Suboptimal dental esthetics

Immunological:

- Chronic allergies
- Eczema
- Asthma
- Swollen adenoids/ tonsils



Sleep disturbances:

- Restless sleep
- Sleep talking/ walking
- Daytime drowsiness
- Snoring
- Tooth grinding
- Nightmares
- Bedwetting

Behavioral:

- Aggressive behavior Irritability/ anger
- Peer problems/ few friends
- Difficulty in school



SLEEP DEPRIVATION – PERCENTAGE OF INCIDENCE

- Mouth breathing during sleep -1/2 inch opening reduces airway by 6 mm – average airway in 7 year old is 7mm
- Most urgent for diagnosis are in bold type below
- 20 most important symptoms ≤4 – 13+ years

Mouth Breathing Nights	43.0%	Snores 1 Night/Week	24.7%
Snore at All	37.2%	Sweating During Sleep	19.0%
Difficulty Listening	34.7%	Snores 2-4 Nights/Week	18.9%
Often Interrupts	34.7%	Bed Wetting	18.1%
Tooth Grinding	32.0%	Hyperactive	17.5%
Talks in Sleep	31.7%	Attention Deficit	15.7%
Wakes Up at Night	29.0%	Falls Asleep Watching TV	13.4%
Allergies	28.7%	Speech Problems	12.9%
Restless Sleep	26.9%	Difficult, Labored Breathing	12.4%
Fidgets with Hands	26.6%	Snores 5-7 Nights/Week	8.2%
Mouth Breathes Days	25.4%	Throat Infections	6.8%
ADHD	25.2		
Incidence ≥ 1 Symptom	90%	N=501	
Incidence ≥ 4 Symptoms	60%	(from Stevens et al, 2016)	



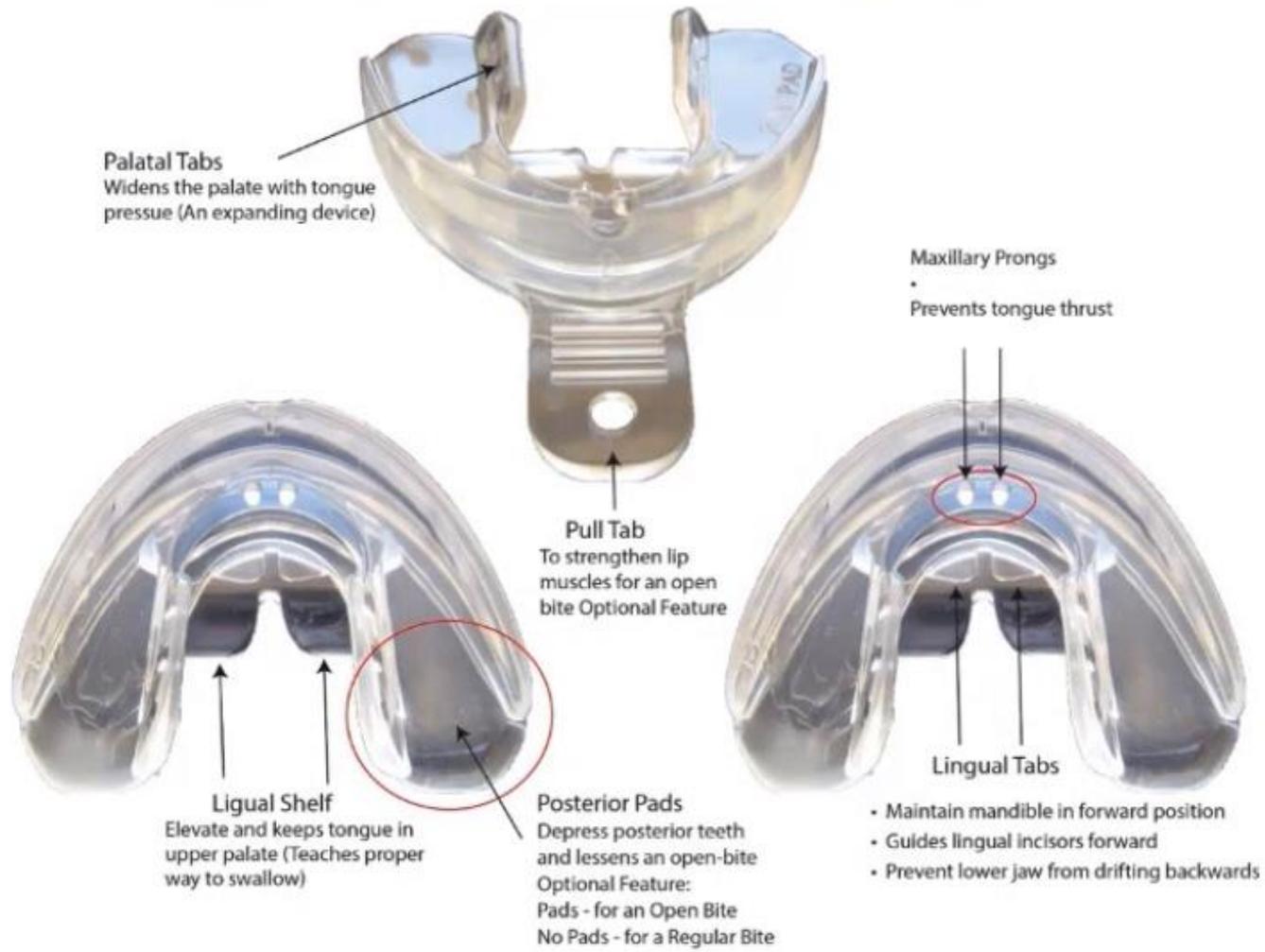
Findings

- Mouth breathing & snoring associated with more SDB symptoms than any of the other symptoms studied
- 90% had ≥ 1 SDB symptom
- 60% had ≥ 4 symptoms
- 20% experience bedwetting
- From 4 to 12 yo, 92.6% of symptoms **did not self correct**; 30% worsened with age

KIDS
AGES 5-7

healthystart™

HEALTHY START HABIT CORRECTOR® KIDS







Boy 1



Boy 2

Adjunctive vs. Support Therapy in Dental Sleep Medicine



Adjunctive Therapy

Therapies that **enhance or supplement** the primary treatment

Not intended to stand alone

Aim to improve **efficacy, comfort, or compliance**

Examples: nasal dilators, positional therapy, weight management, humidification



Support Therapy

Therapies that **enable, facilitate, or maintain** the primary treatment

Focus on patient's ability to **use** the primary therapy successfully

Reduce barriers, side effects, or complications

Examples: TMJ support strategies, bite re-positioning exercises, oral hygiene reinforcement, follow-up and titration protocols

Snoring Myth

Snoring Isn't Dangerous.
It's just "disruptive"

Snoring Reality

Study conducted on 273 snoring patients

- 4% tested normal for obstructive sleep apnea (OSA)
- 21% had mild OSA (bad and likely to get worse)
- 29% had moderate OSA (really bad – lots of comorbidities)
- 44% had severe OSA (seriously bad – likely to die early)
- 2% had AHI scores > 100 (really really bad – as in call 911 now)

96% of people in this study who snored also had OSA

Non-Surgical Approaches

- Weight Loss
- *Hormone Therapy
- Avoid Alcohol / Afternoon Caffeine
- Decongestants
- Positional Sleep
- Oral Appliances
- CPAP
- Lasers



Walter Stumpf

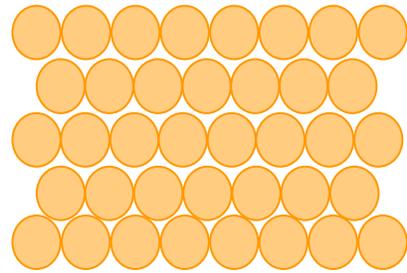
"Vitamin D3 sites of action in the brain: An autoradiographic study"

Surgical Approaches

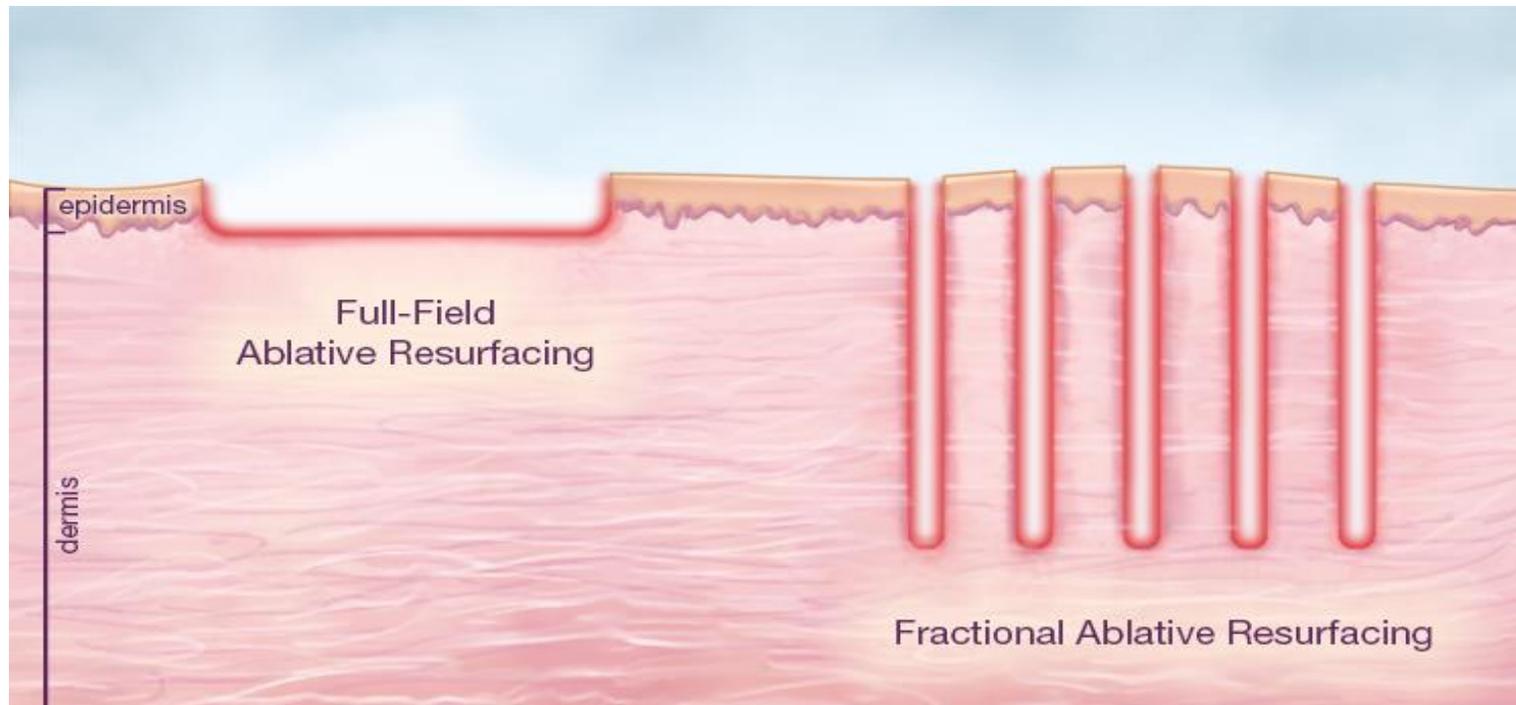
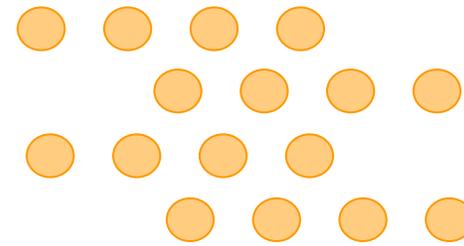
- Nasal Surgery
- Uvuloplasty
- PPP/UPPP (UvuloPalatoPharyngoPlasty)
- Pillar Procedure (Palatal Implant)
- Expansion Sphincter Pharyngoplasty
- Lateral Pharyngoplasty
- Uvulopalatal Flap
- Z-Palatoplasty
- MMA (MaxilloMandibular Advancement)

Fractional Resurfacing vs Full Ablative

“Horizontal delivery of energy”
Traditional scanning mode

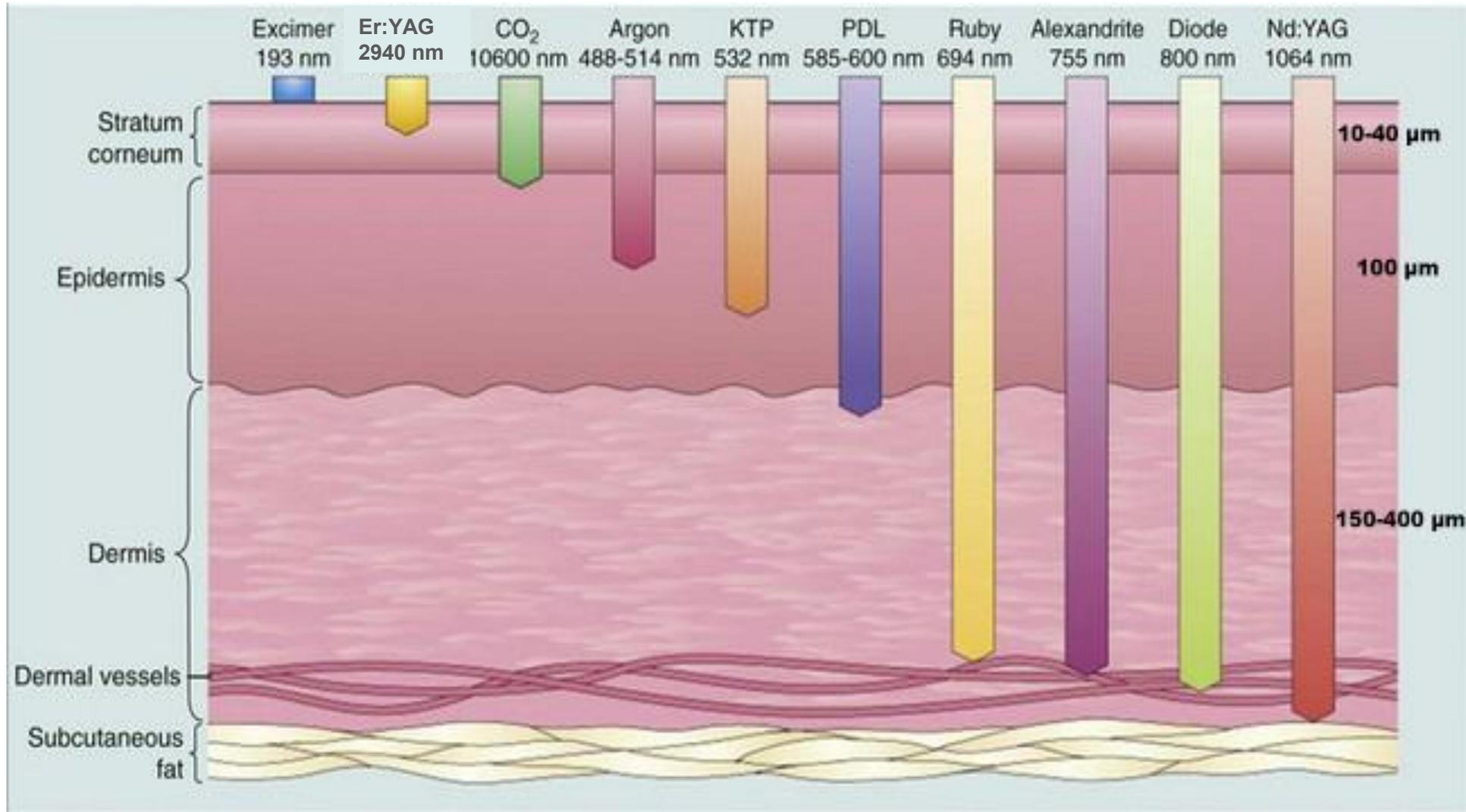


“Vertical delivery of energy”
Fractional scanning mode

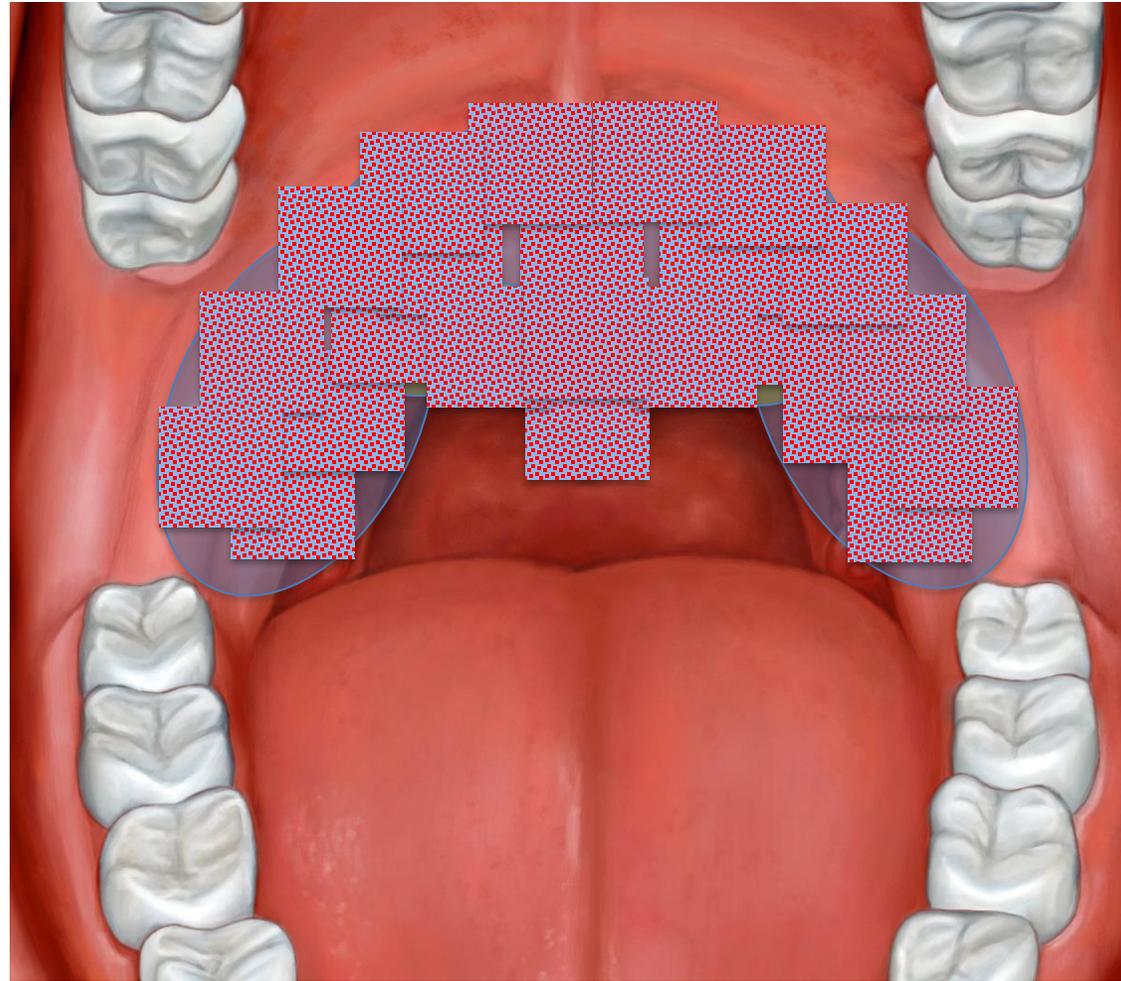


During treatment, a pattern of
tiny thermal wounds
is created stimulating collagen and
improving surface tension.
125 μ m = primary intention healing
= no scar tissue

Depth of Penetration

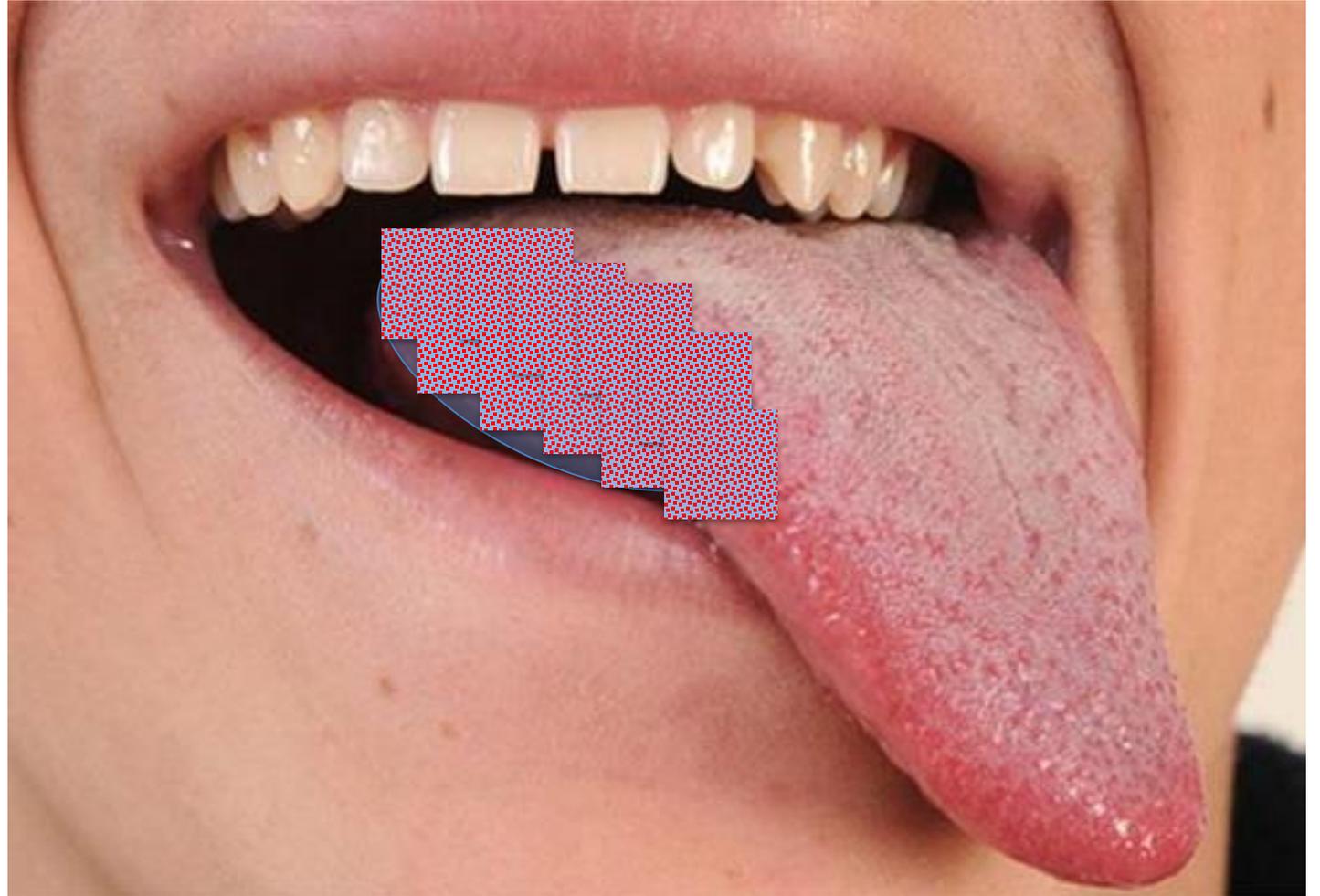


Target Areas

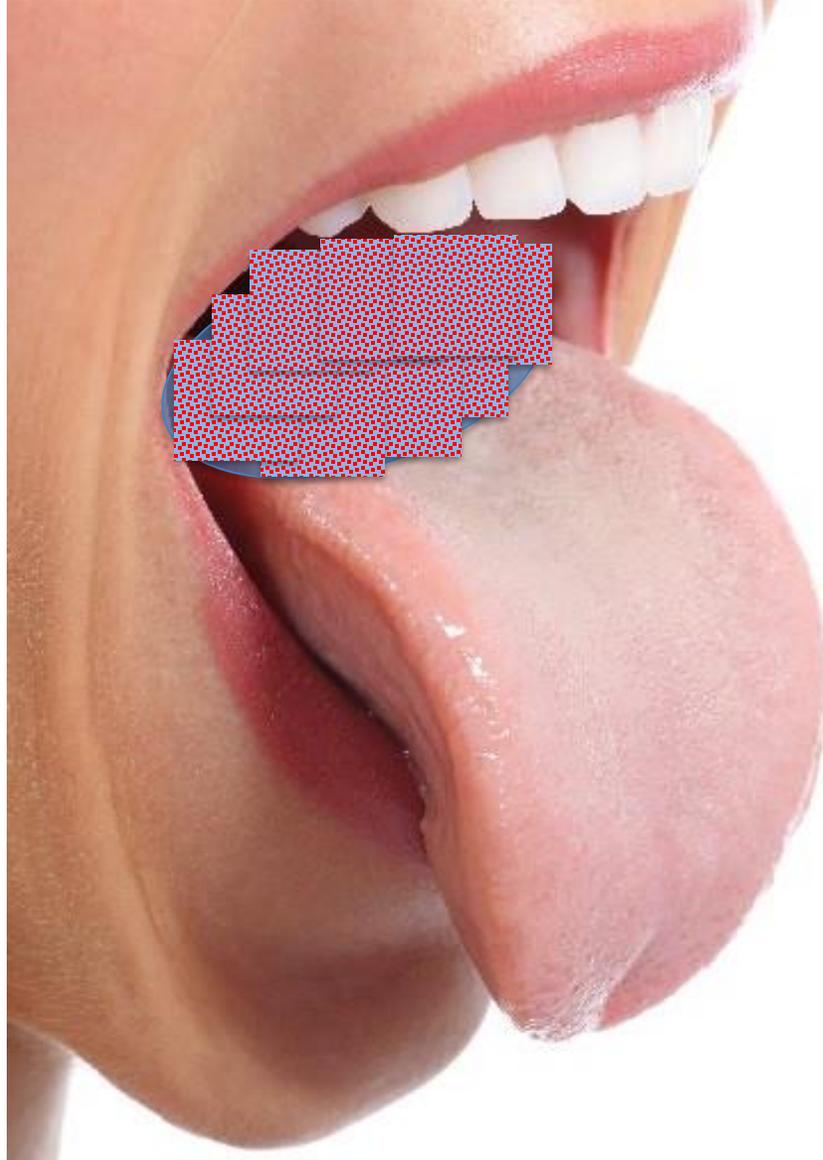


Target Areas

Lateral border of
Tongue



Posterior Dorsum of
Tongue (lingual tonsils)





Tonsillar Decontamination Results

Before



Before Treatment

After

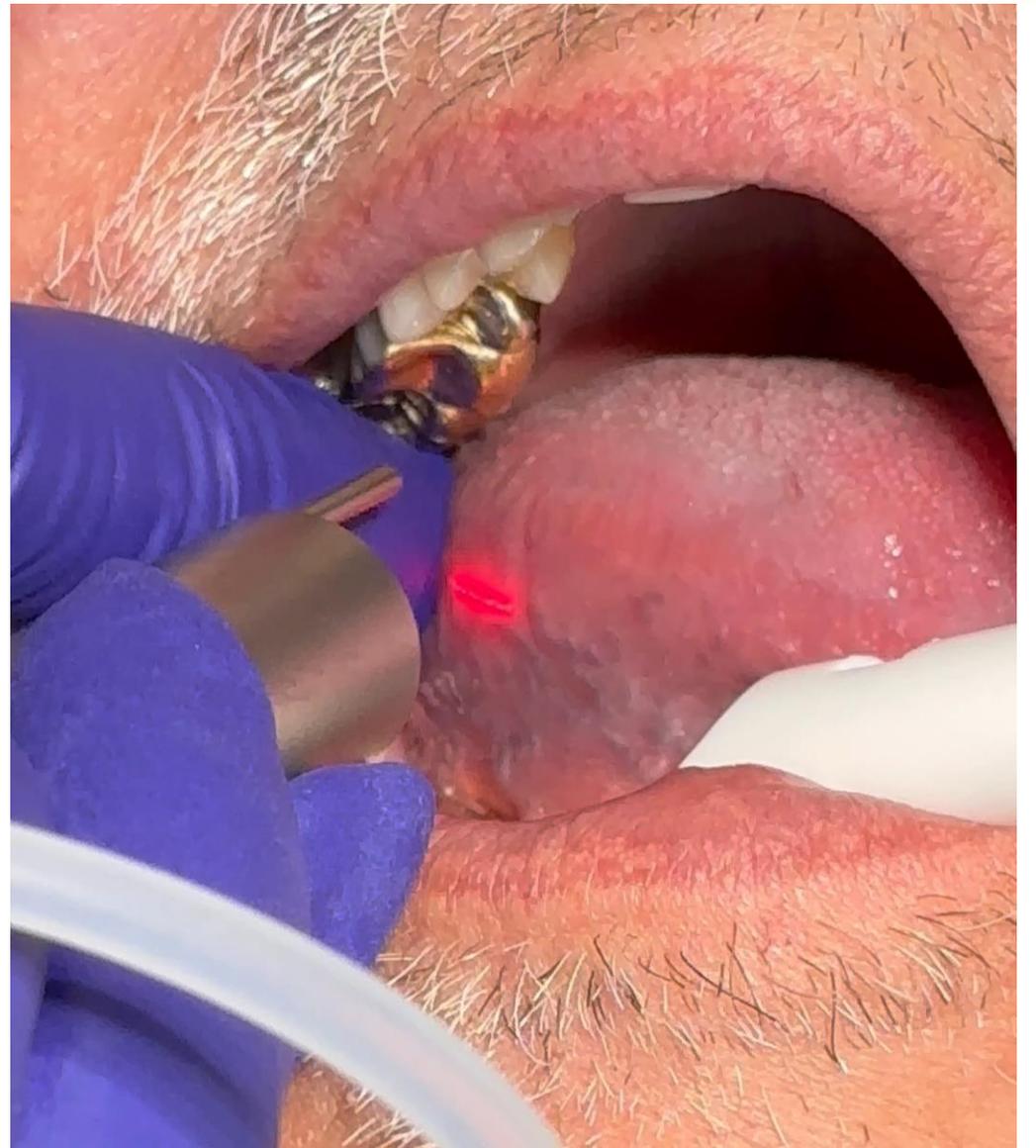


1 Day After Treatment

In Operation



In Operation



In

w

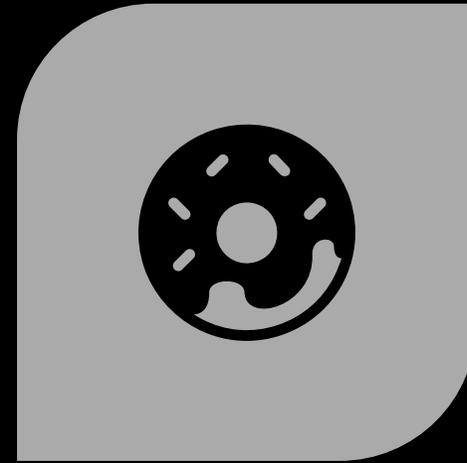


DEKA Dental Lasers

Two Ways to Profit



TREAT AIRWAY



TREAT ATHLETES

AI

Computer systems that can simulate the problem-solving and decision-making capabilities of the human mind.



AI in business



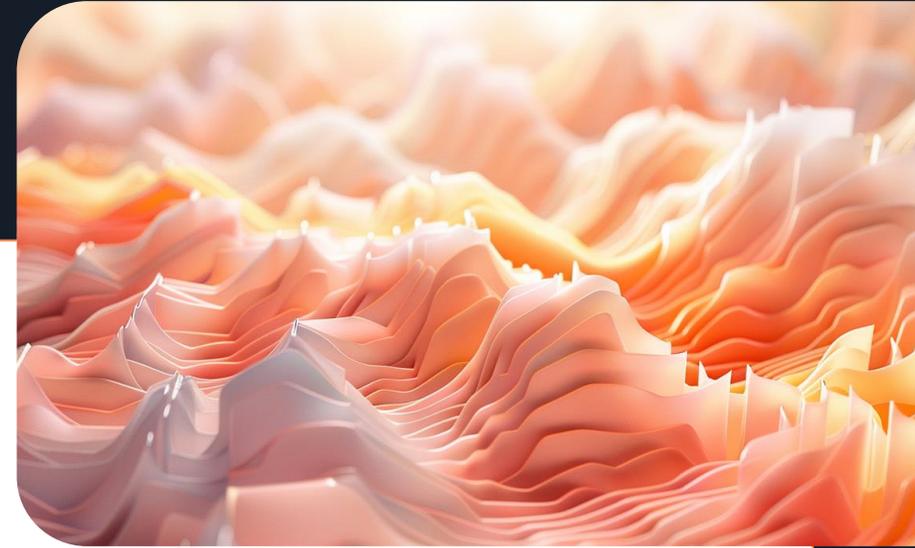
35% of businesses globally are using AI today.

42% of businesses are exploring AI.

The building blocks of AI



How AI is trained



Input

Tremendous volumes of data are fed into computer programs.

• Training

Algorithms then analyze the data, detect patterns and learn.

• Output

AI generates insights, predictions, or decisions.

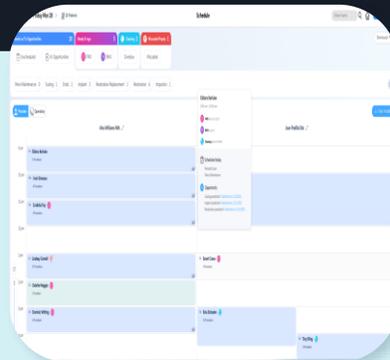
AI in Dentistry

AI in Dentistry

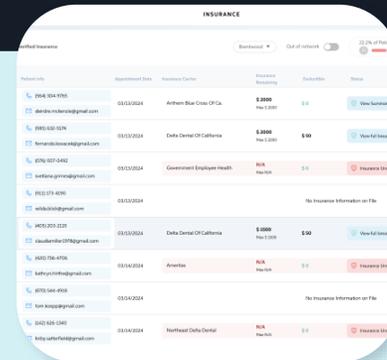
Diagnostic Assistance



Enhanced Scheduling & Chart Audits



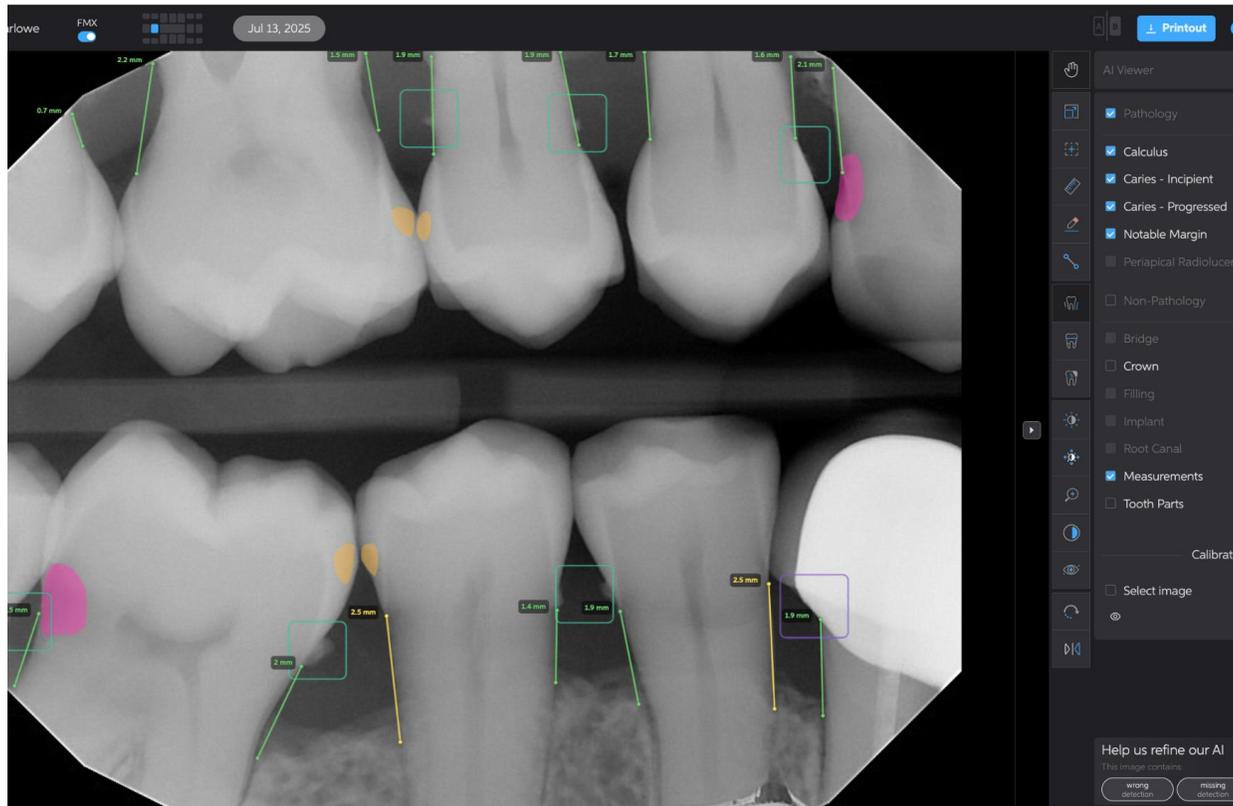
Insurance Verification



Workflow and Staffing



AI Printouts for Claims Submissions

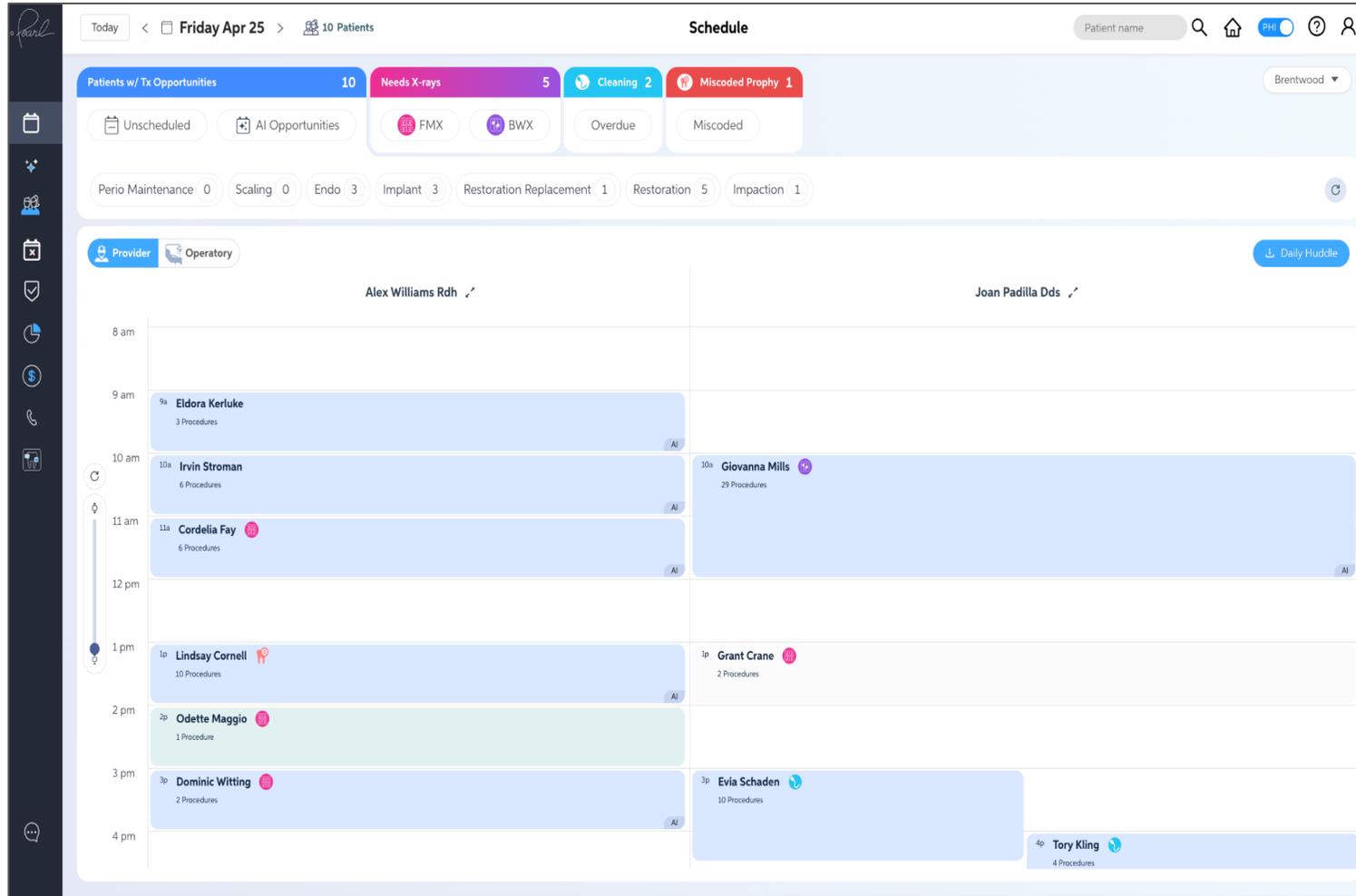


Haley Marlowe | Jul 13, 2025 Brentwood

Teeth 3-5, 28-30

Tooth#	Pathology
30	Incipient Cavity (orange) Progressed Cavity (pink)
4	Incipient Cavity (orange)
3	Incipient Cavity (orange)
6	Progressed Cavity (pink)
29	Incipient Cavity (orange)
3-5, 28-30	Notable Margin (purple) Tartar (green)

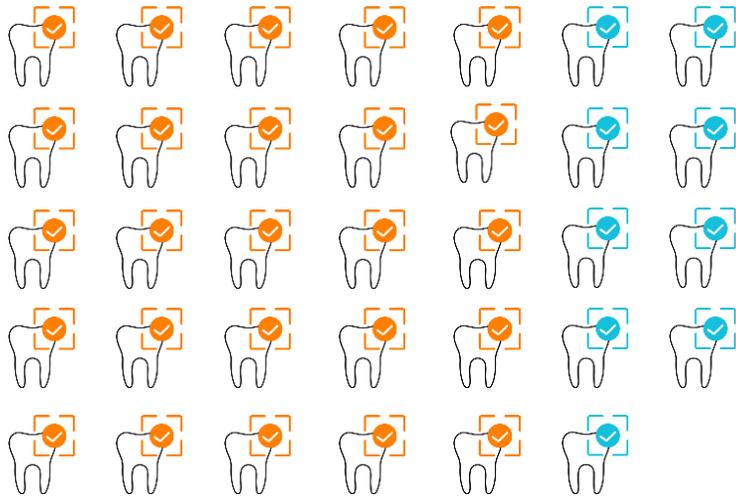
AI Performance Schedule | Highlights Daily Opportunities



- + Identify Unscheduled Treatment
- + Identify Undiagnosed Treatment
- + Identify Patients who need X-rays
- + Identify Patients with Overdue Hygiene
- + Identify Miscoded Proply
- + Enhance Same Day Dentistry

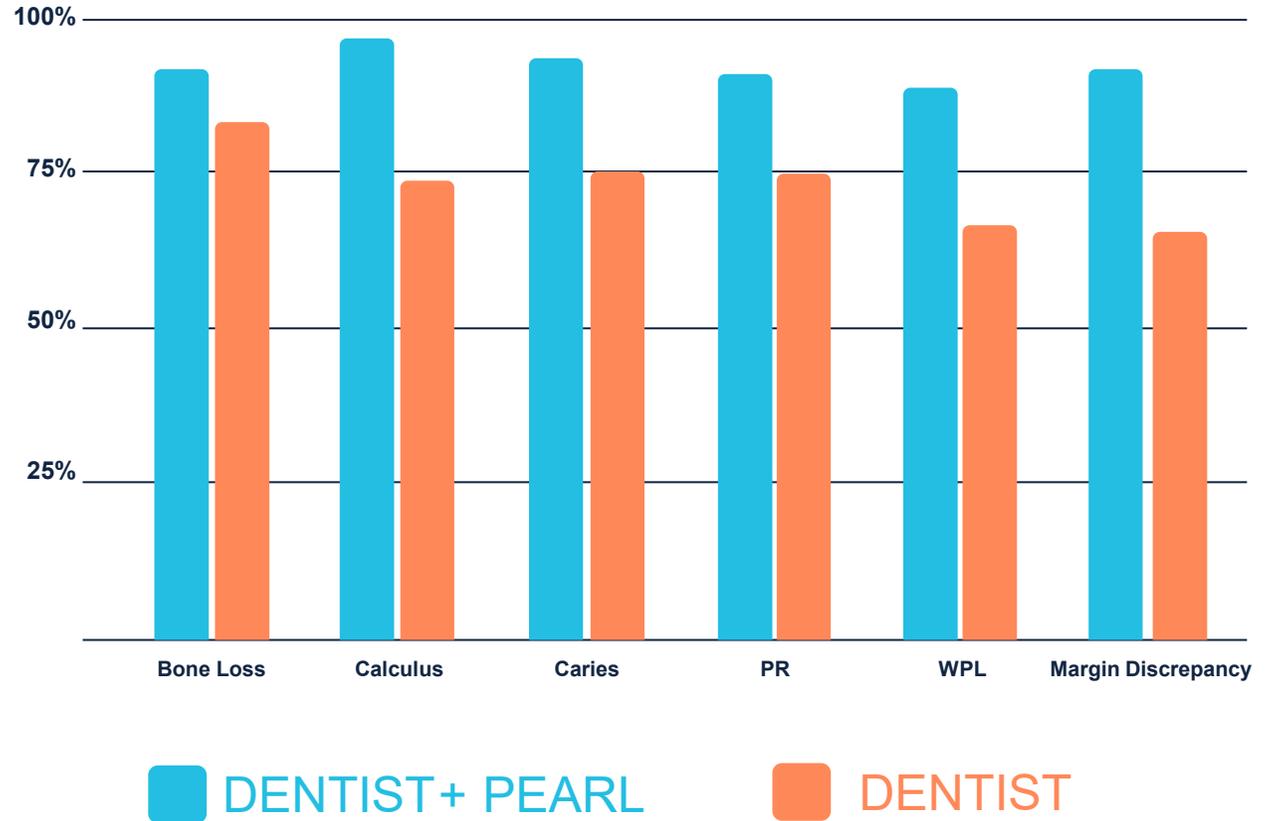
DENTIST

PEARL



37%
MORE

**DISEASE
DETECTED**



The Power of “YET” in Case Presentation

- A non-threatening keyword that shifts focus from now to inevitability
- Reduces defensiveness across DISC profiles
- Use phrases like:
 - “Is that bothering you YET?”
 - “Is that sensitive to you YET?”
- Encourages proactive, preventive decision-making



Patient Trust | BY THE NUMBERS



64%

Say they don't understand their x-rays during a consultation with their dentist 2

55%

Say trust in the diagnosis/dentist is the most important factor in treatment acceptance.²

61%

Say they have **switched dentists, sought second opinions or refused treatment** after a diagnosis.²

40%

Say they **distrust** dentists.

¹ <https://news.gallup.com/poll/1654/honesty-ethics-professions.aspx>

² https://5664760.fs1.hubspotusercontent-na1.net/hubfs/5664760/Guides%20and%20Studies/Dental%20Patient%20Trust%20Survey_8_22.pdf

Second Opinion[®]



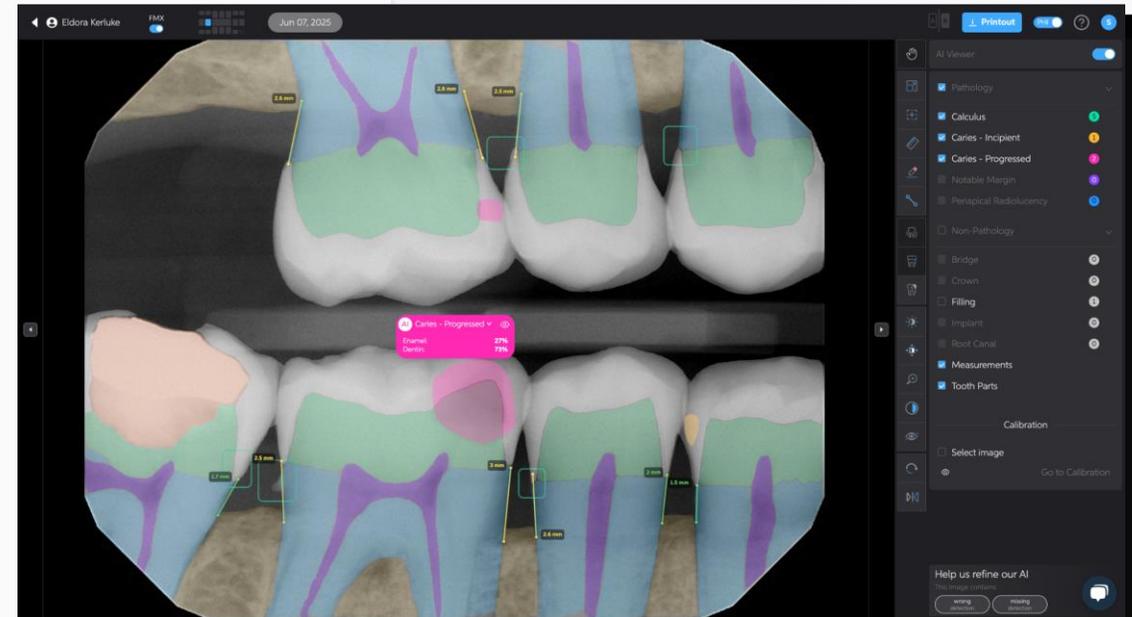
More accurate diagnoses



Improved communication



Timelier treatment



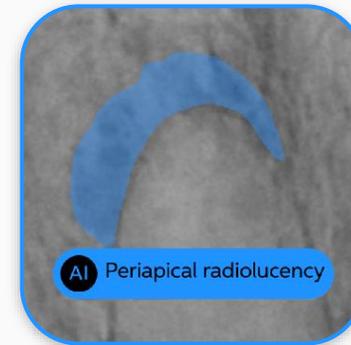
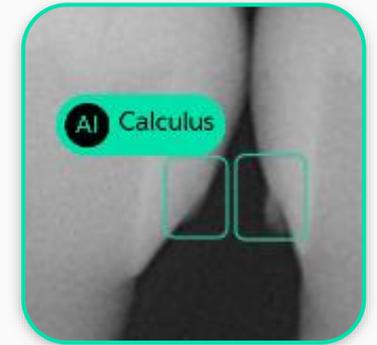
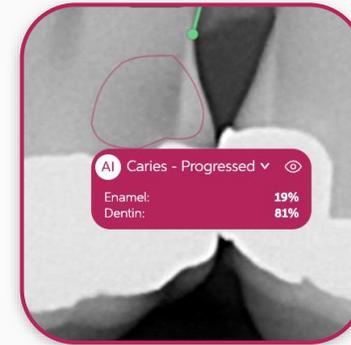
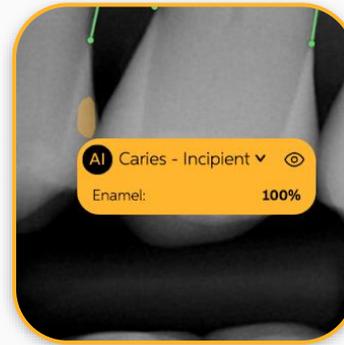
Features | AI Detections

Detections

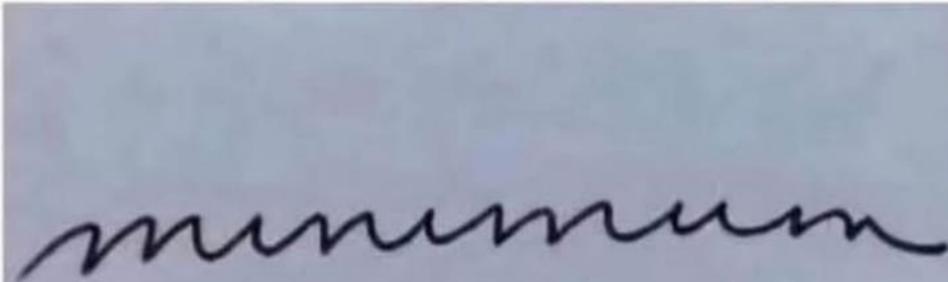
-  Decay within enamel
-  Decay progressed into Dentin
-  Calculus
-  Notable Margin
-  Periapical Radiolucency

Bone Level Measurements

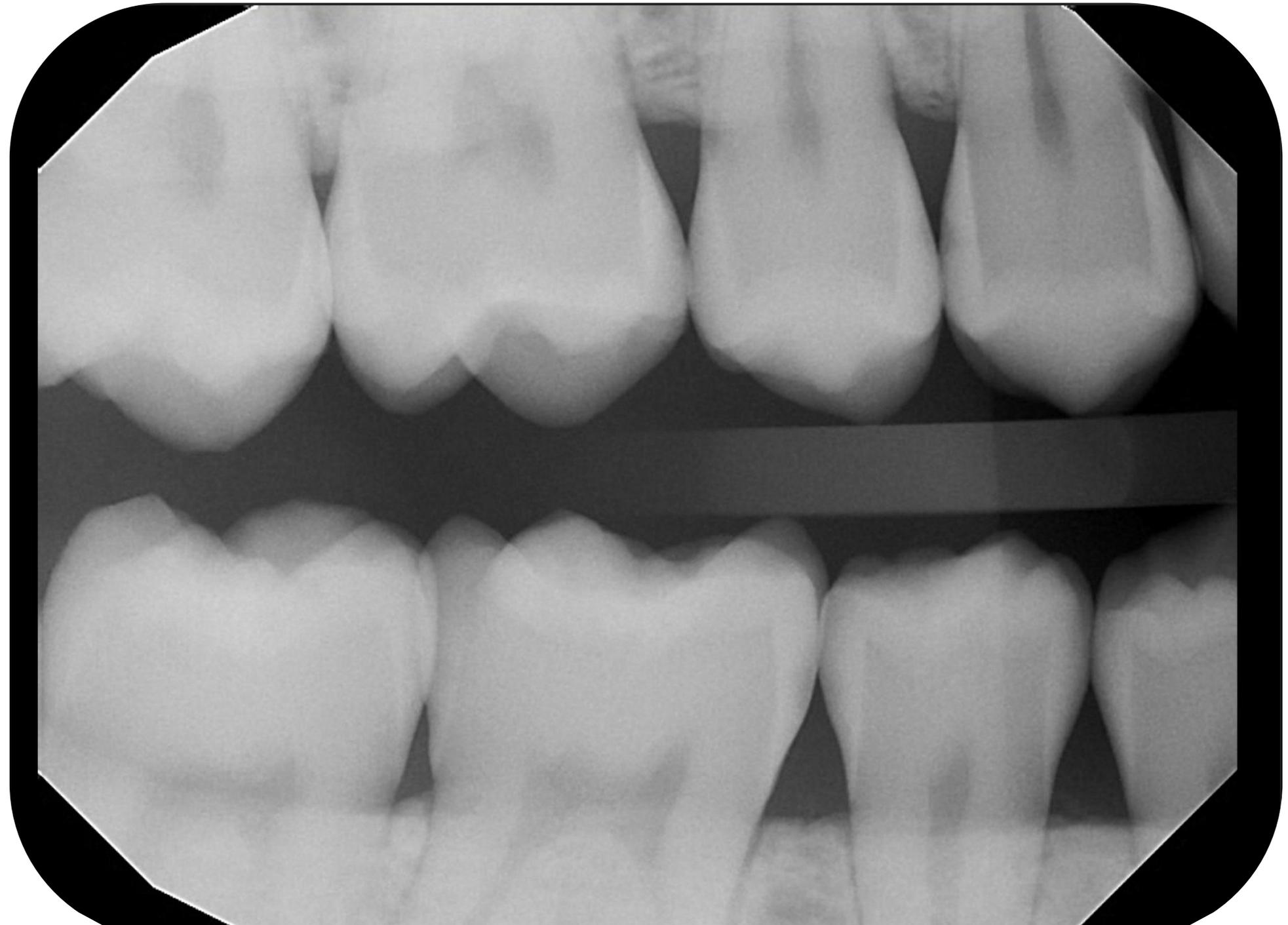
-  0 - 2.5mm
-  2.5 - 4mm
-  4mm +



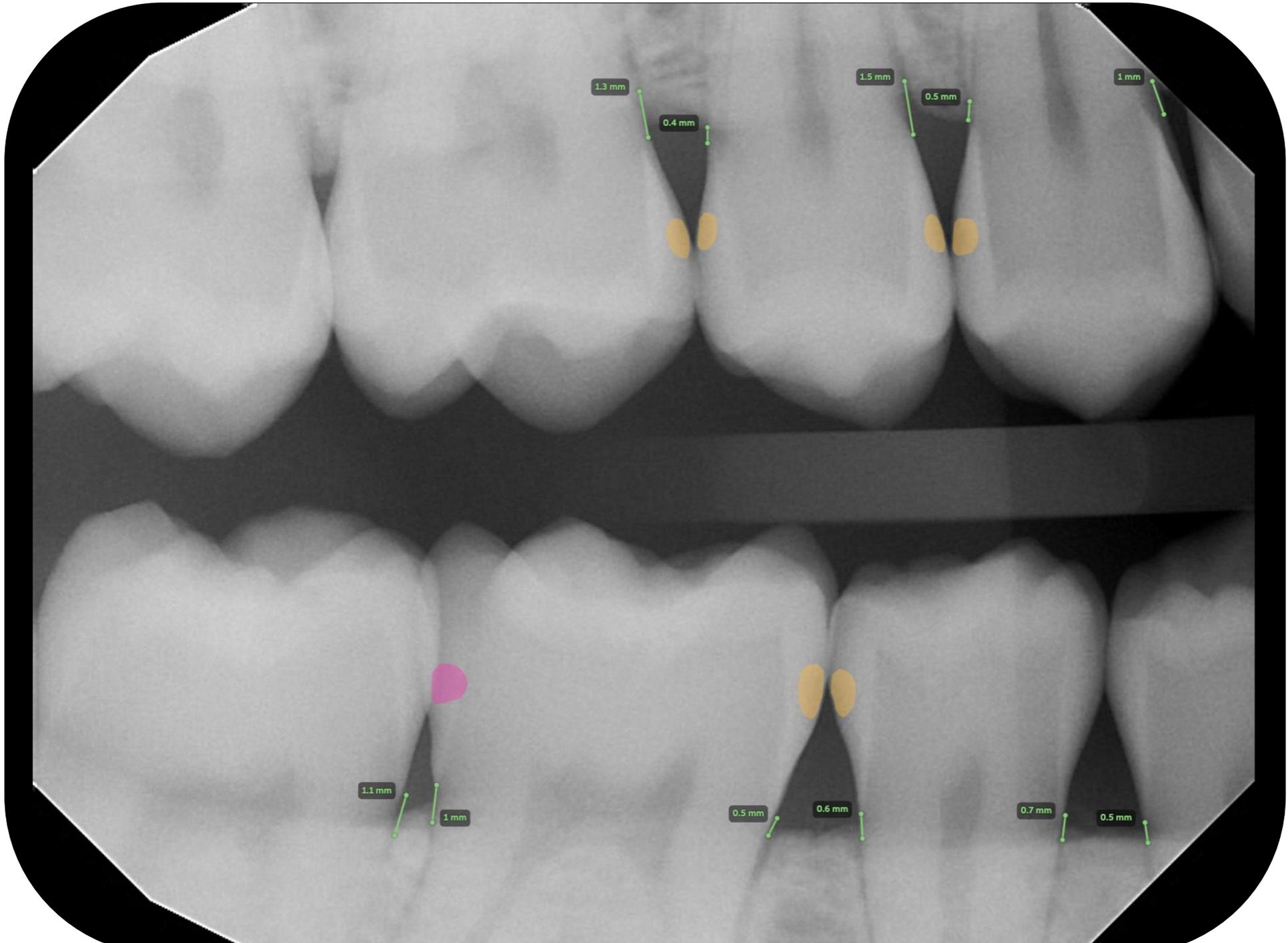
There's at least one
generation that can't tell
you what word this is.

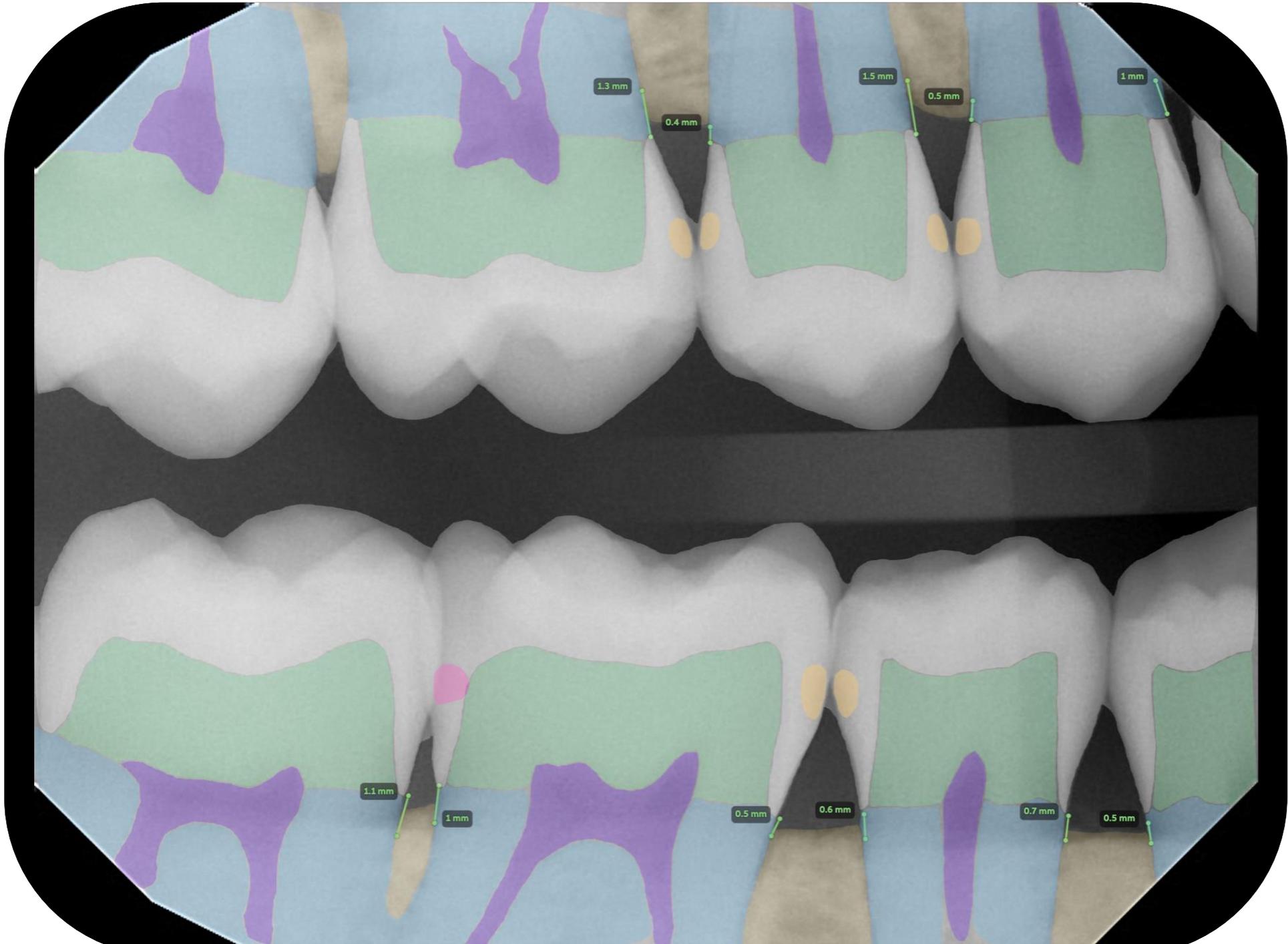
A photograph of a piece of lined paper with the word "minimum" written in a cursive script. The word is written in dark ink and is centered on the page. The background of the paper is a light blue color.

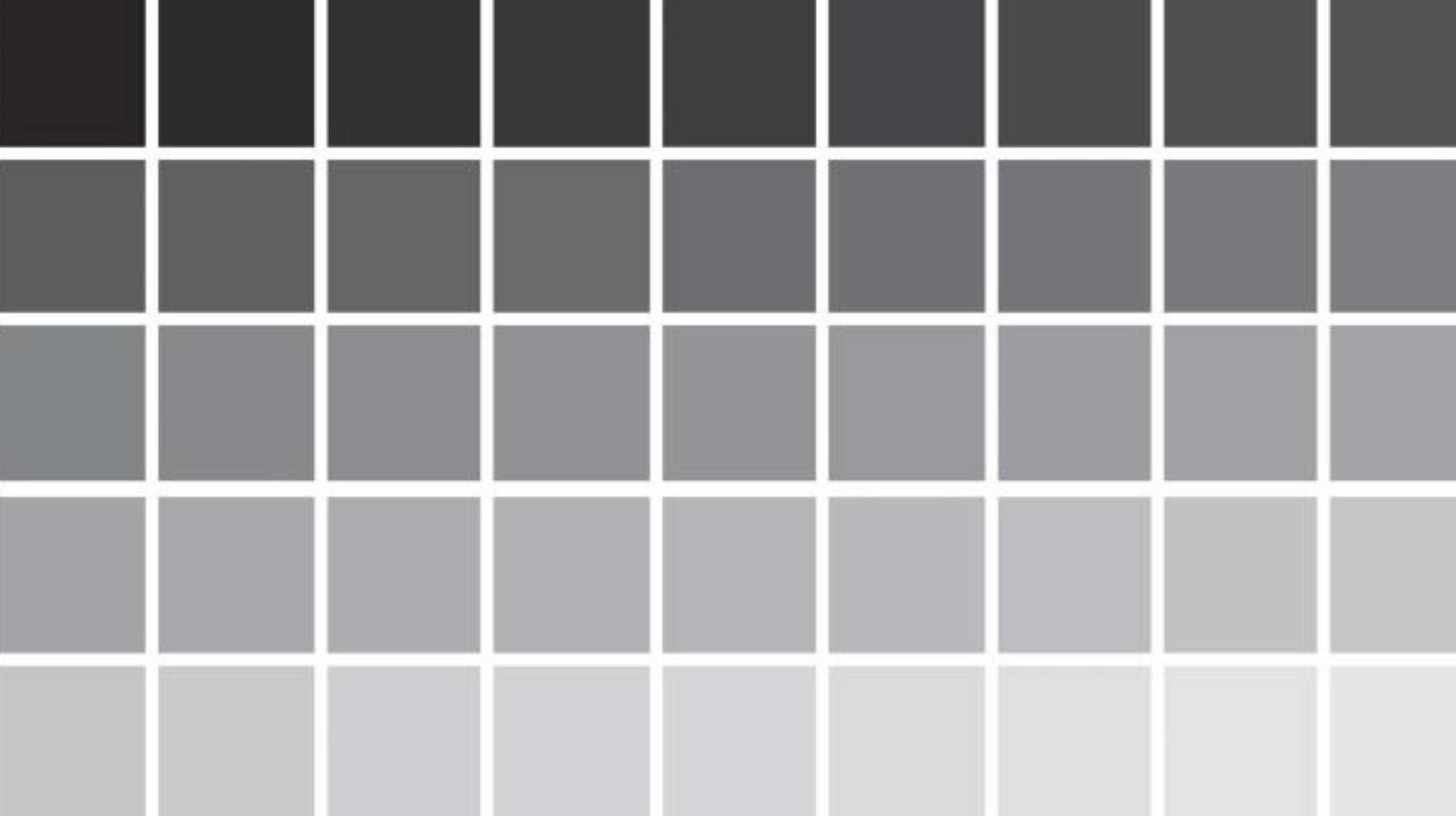
**How many areas of decay
do you see?**



7







Creating a Differentiator



5 Keys to Keeping Patients Coming Back

1. Treat the Patient, Not Just the Tooth
2. Co-Diagnosis (report Findings)
3. Time, Pain, Money
4. Differences
 - *Harvard Business Review April 2013*
5. Connection



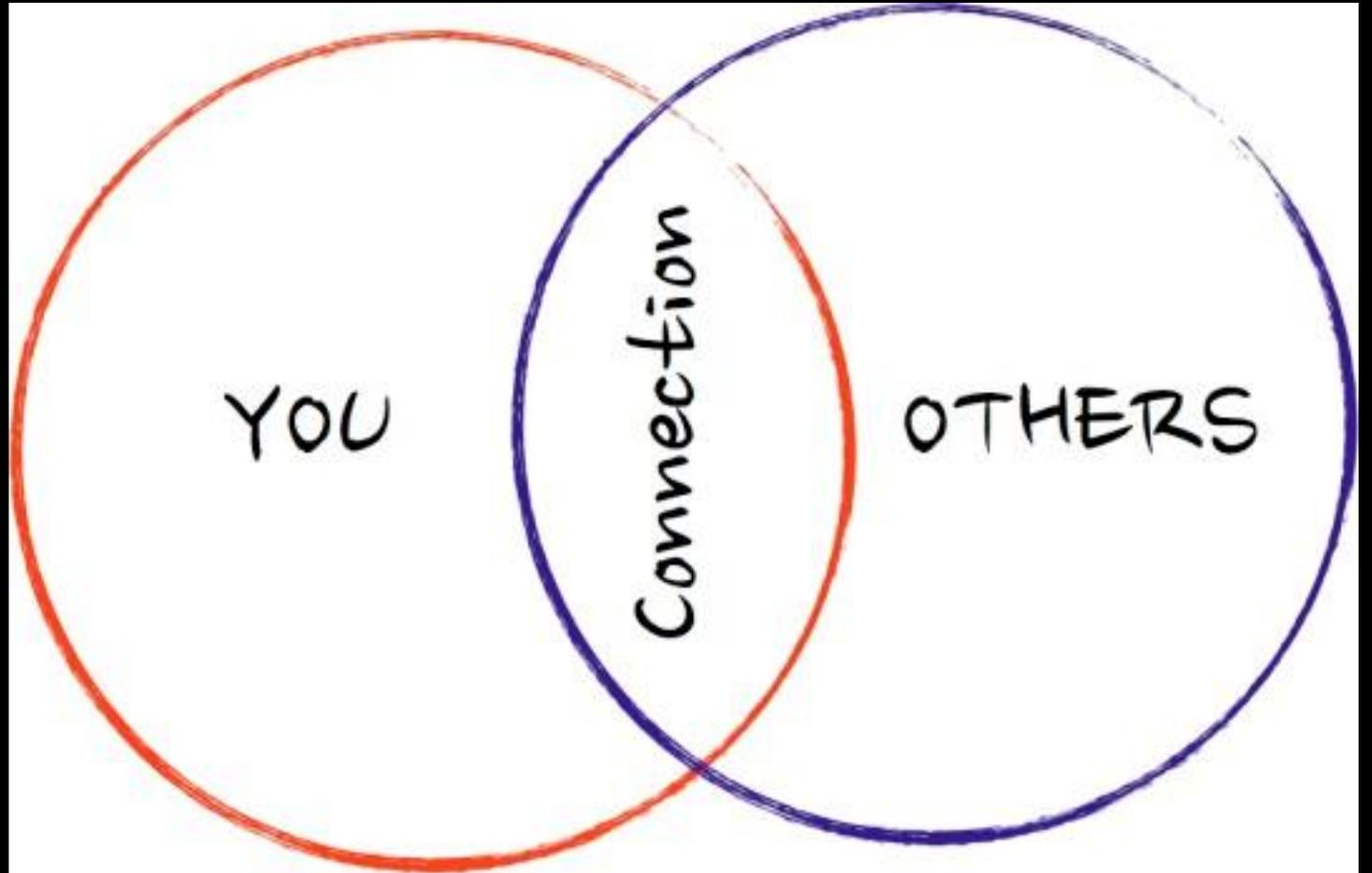
Rules of Business and Referrals

1. Know
2. Like
3. TRUST



Rapport is Power

- Total responsiveness between people





The Magic of Rapport

1. Rapport is created by feeling of commonality
2. Words are only 7% of communication
3. Matching and Mirroring
 - Milton Erickson, MD
 - People like people who are LIKE THEMSELVES; or how they would like to be
4. Style is more important than substance
INITIALLY

Becoming More Likeable

1. Learn to remember names
2. Be a comfortable person, so there is no strain in being with you
3. Acquire the quality of relaxed, easy-going so that things do not ruffle you
4. Don't be egotistical. Guard against the impression of knowing it all.
5. Cultivate the quality of being interesting so people will get something of value from their association with you.
6. Study to get the "scratchy" elements OUT of your personality
7. Sincerely attempt to heal, on an honest basis, every misunderstanding you have had or now have. Drain off your grievances.
8. Practice liking people until you learn to do so genuinely.
9. Never miss an opportunity to say a word of congratulation upon anyone's achievement, or express sympathy in sorrow or disappointment.
10. Give spiritual strength to people, and they will give genuine affection to you.



Selling the Case

- Find the problems
- Listen, Simplify, Connect
 - Tell them
 - What you find
 - What you think
 - What you feel
- MONEY (*USUALLY* last)



Divorce Decree

PETITION FOR MARRIAGE

This Petition is for dissolution of marriage. The following follows:

WHEREFORE, Petitioner prays for it to be granted that:

- a. dissolving the marriage as of the date of the judgment;
- b. dividing the marital property and debts as follows:

Attached Property Settlement Agreement resolving all issues of property and Child Support.



Meet "AI"





Treatment Acceptance

- What is the number of days, on average, to case acceptance in a dental office?

69.8 days





D I S C





Purpose of DISC

1. To help you better understand YOURSELF
2. To help you better understand OTHERS
3. To help you be MORE PRODUCTIVE and have LESS ANXIETY when dealing with people
4. To treat others as they wish to be treated

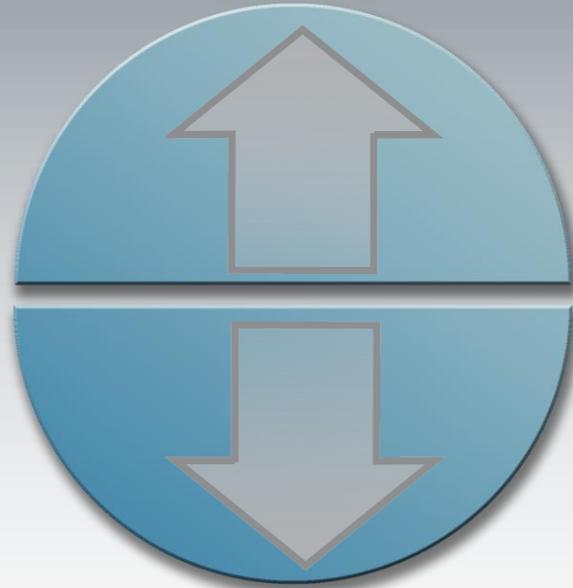
Understanding Yourself ...

Everyone is “wired” differently. To understand yourself better, ask yourself these two questions:

First Question

1. Am I more Outgoing, or am I more Reserved?

Outgoing



Reserved

Understanding Yourself... Traits to look for:

Outgoing / Active

- Fast - paced
- Involved
- Energetic
- Optimistic
- Positive
- Enthusiastic

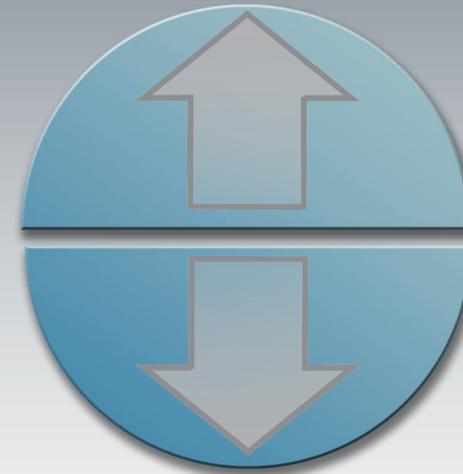
Their focus is on talking things out.

Reserved/Passive

- Slower – paced
- Cautious
- Concerned
- Reluctant
- Critical thinking
- Discerning

Their focus is on thinking things through.

Outgoing

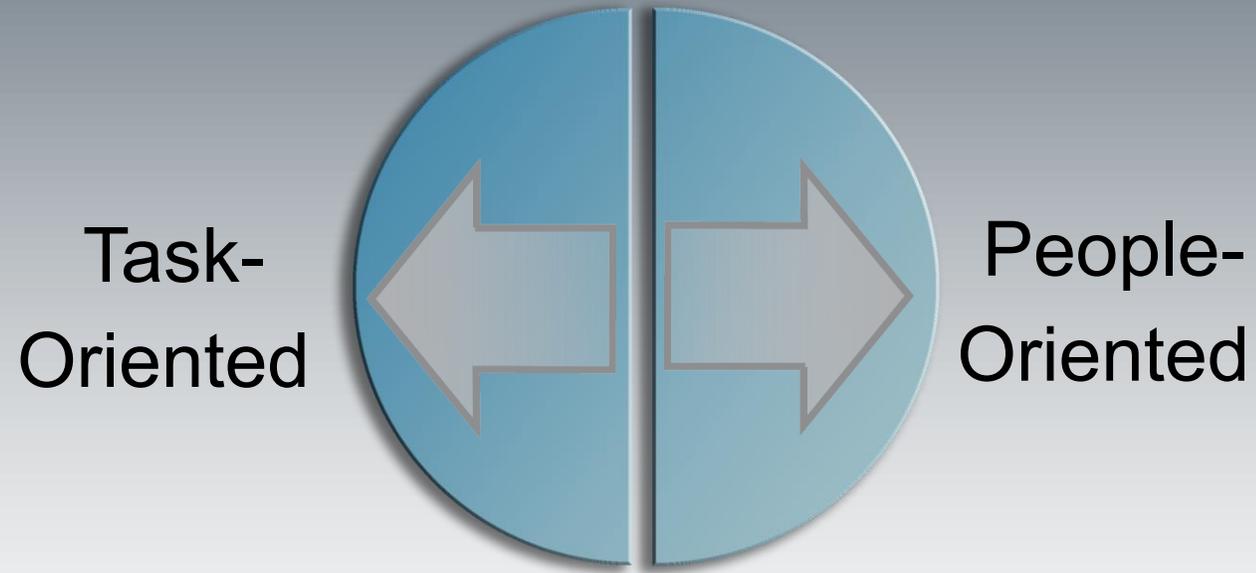


Reserved

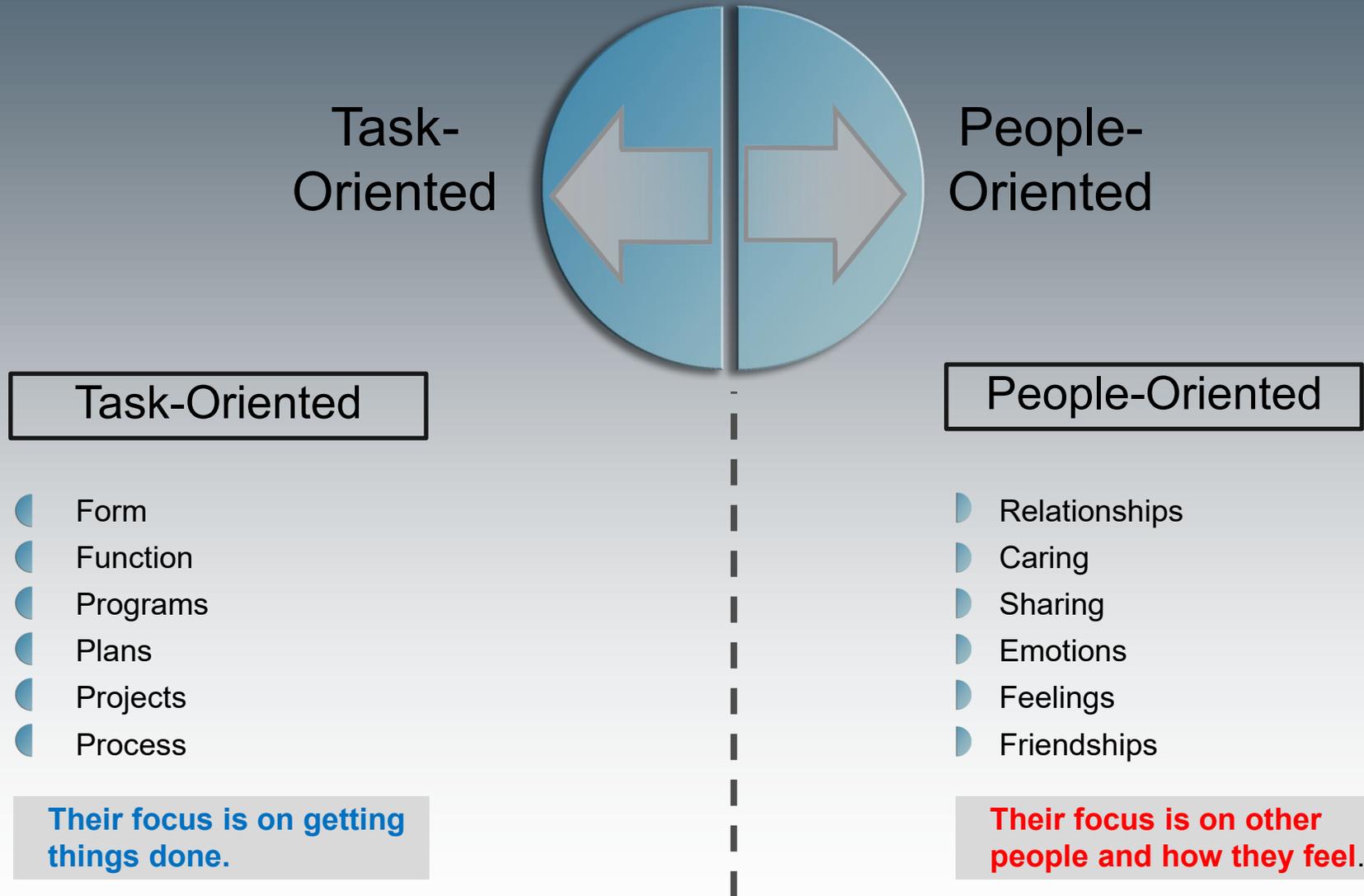
Understanding Yourself...

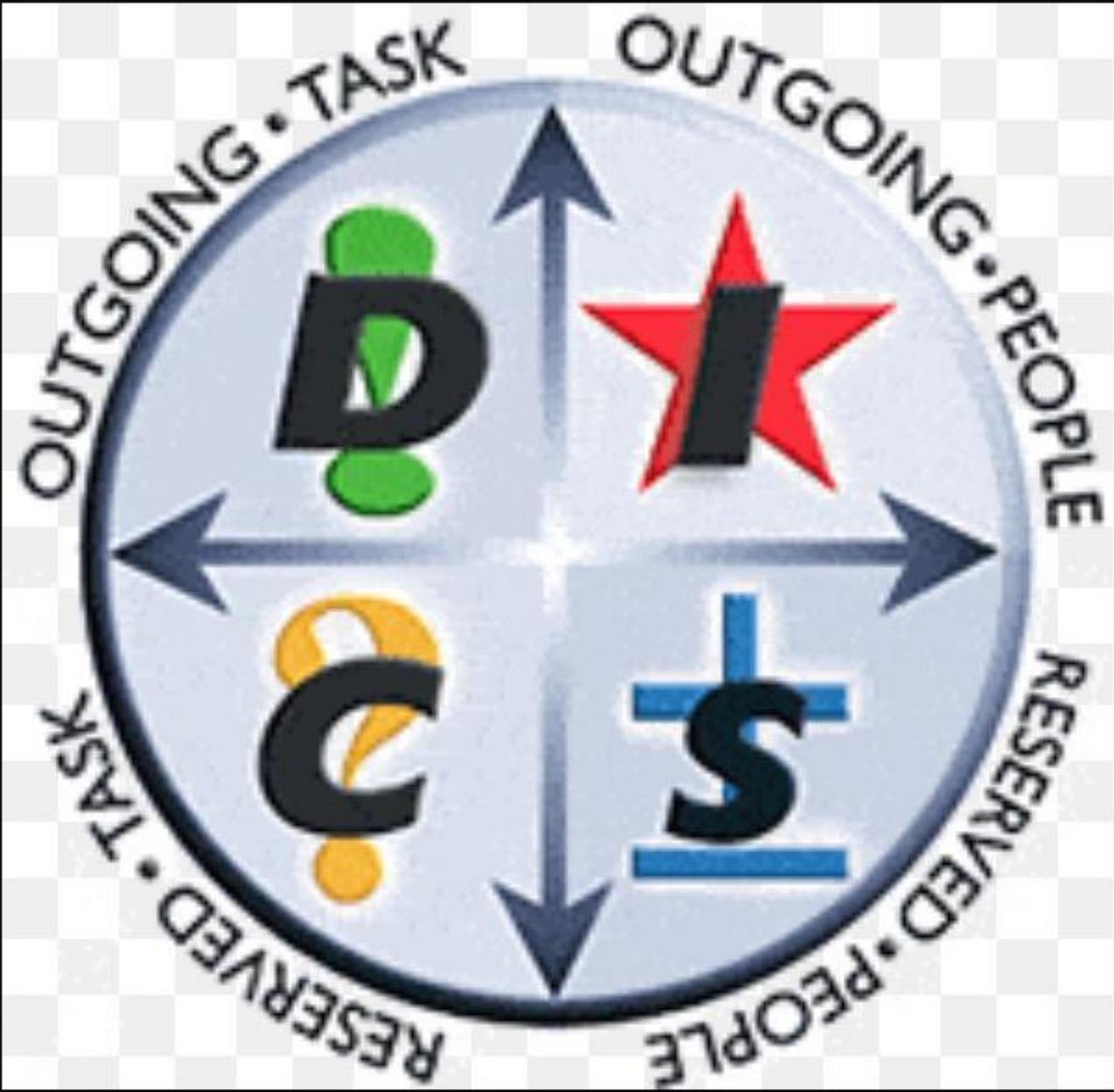
Second Question

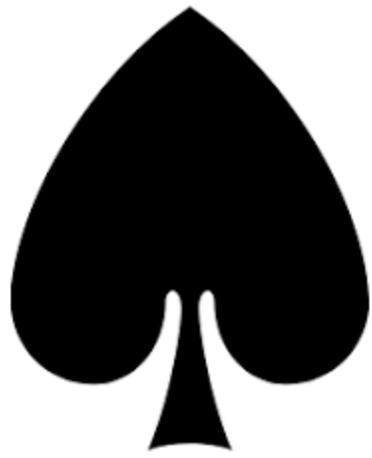
2. Am I more Task-oriented or People-Oriented?



Understanding Yourself ... Traits to look for:







D Seeks results. Active. Multi-tasker.

- Driven by authority
- Will easily try to take control
- Embraces any change that will help them get results
- Very comfortable responding to direct confrontation
- Treasures loyalty

Greatest Fear: Being taken advantage of

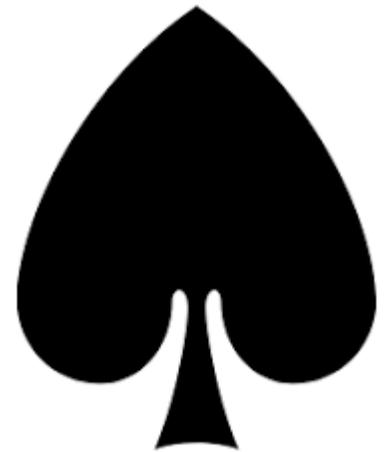


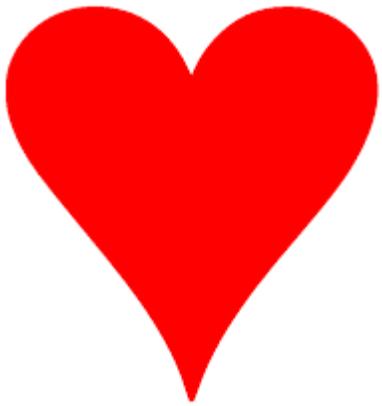
Seeks Control

Decisive

Direct

Results





**Seeks friendly environment.
Always active.**

- Relationship-oriented
- Emotional and animated
- Great storyteller
- Encourager
- Treasures great experiences with others

Greatest Fear: Rejection / Loss of Approval

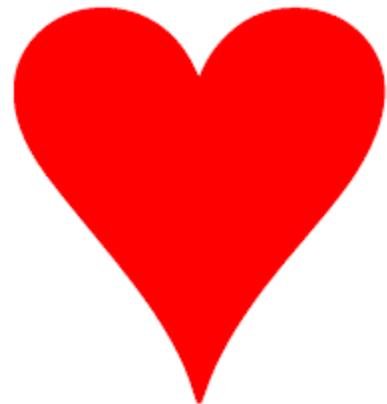


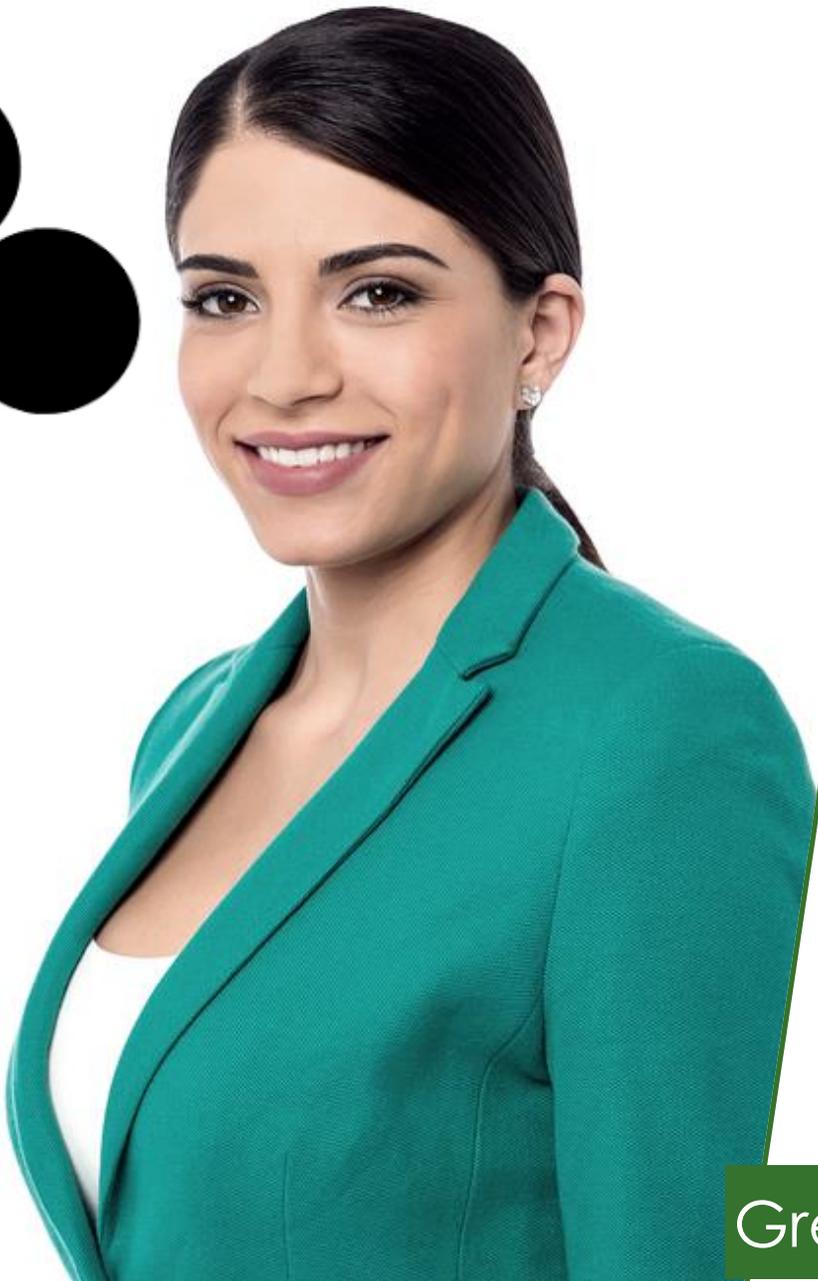
Persuasive

Spontaneous

Friendly

Spotlight





S

**Seeks a team environment.
Very loyal.**

- Easygoing and agreeable
- Evenly paced
- Good listener
- Compassionate
- Treasures peaceful relationships

Greatest Fear: Loss of Security / Confrontation

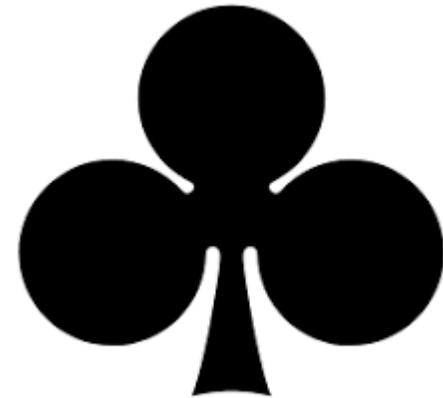


Team-Oriented

Follow-Through

Loyalty

Acceptance





C Seeks an environment that honors logic and facts.

- Compliant
- Conscientious
- Accurate
- Detail-oriented
- Treasures perfection

Greatest Fear: Criticism

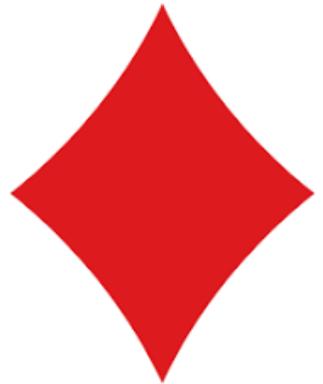


Compliant

Analytical

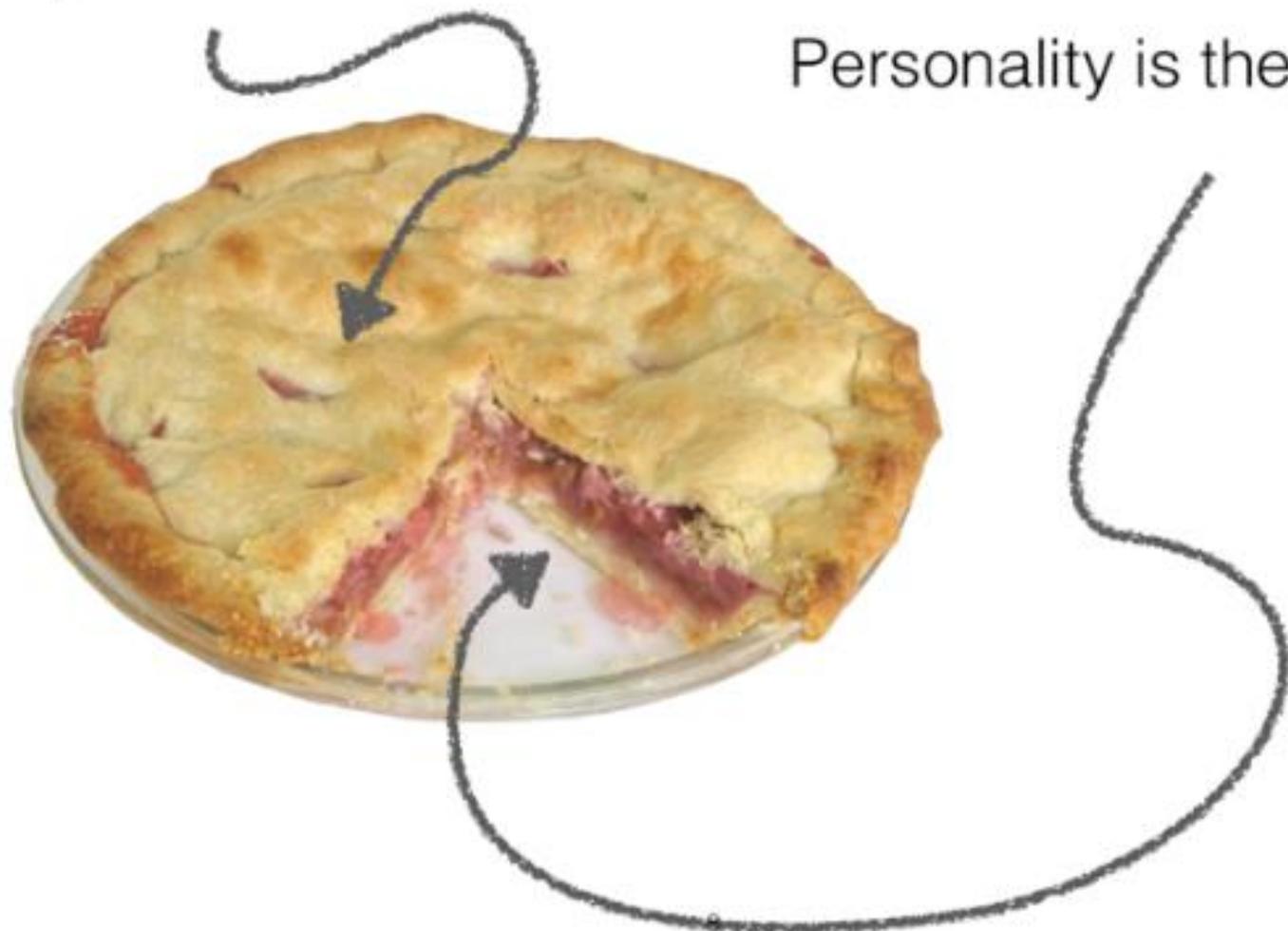
Planner

Accuracy



Style is the crust!

Personality is the filling.



Presenting with Style

GUIDEBOOK



Knowing What to Say & How to Say It



The Ultimate
Discovery System™

Communicating with a D

- Be brief, direct, and to the point. Then leave.
- Ask “What” not “How” questions.
- Focus on results.
- Don’t ramble.
- Discuss a problem and its effect on outcomes.



Communicating with an I

- Don't do all the talking.
- Don't ignore their ideas.
- Allow time for socializing.
- Follow up with the details in writing.
- Four short 10-minute discussions are better than one 40-minute discussion.



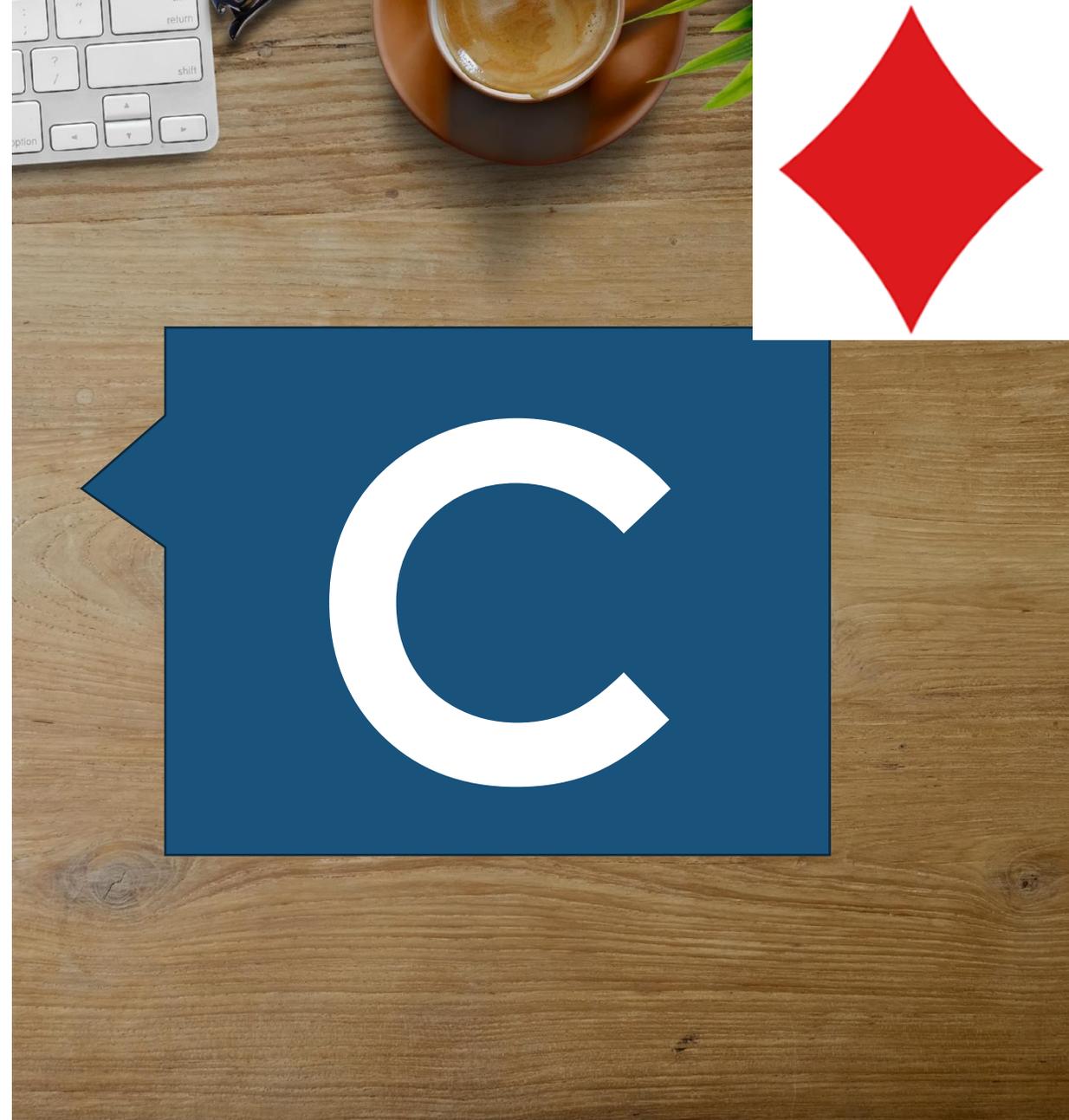
Communicating with an S

- Create a friendly tone for the discussion.
- Show interest in them as a person.
- Don't be overly aggressive.
- Minimize the potential for confrontation.
- Give definition to the goal and everyone's role.
- Give them time to adjust to any changes.



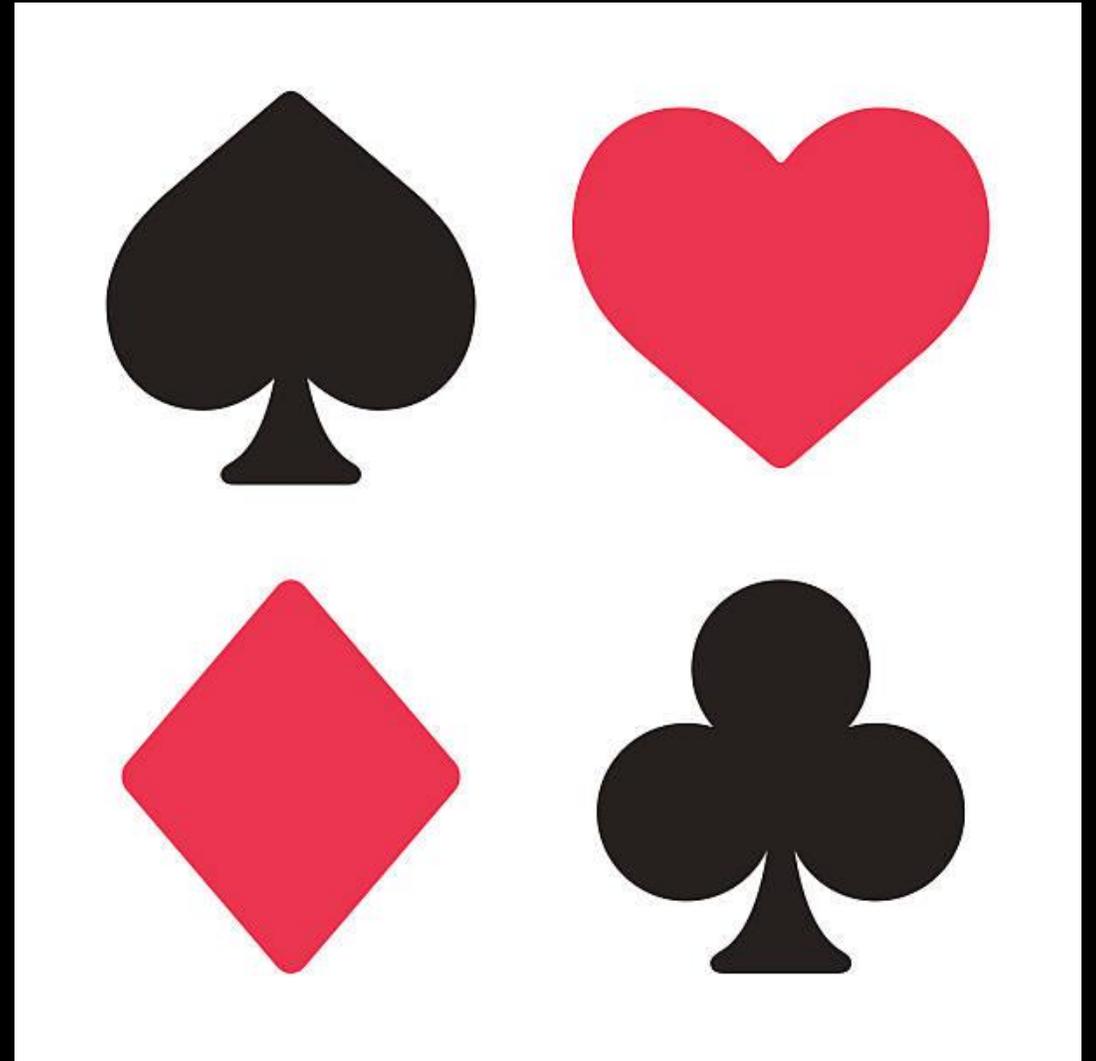
Communicating with a C

- Provide all the details.
- Use validated facts.
- Be precise in your explanation.
- Be very specific.
- Be patient, answer all their questions, and follow up to provide them with the additional data they request.



Big Idea

- A winning hand isn't made of the four same cards—it's made of different cards working together!



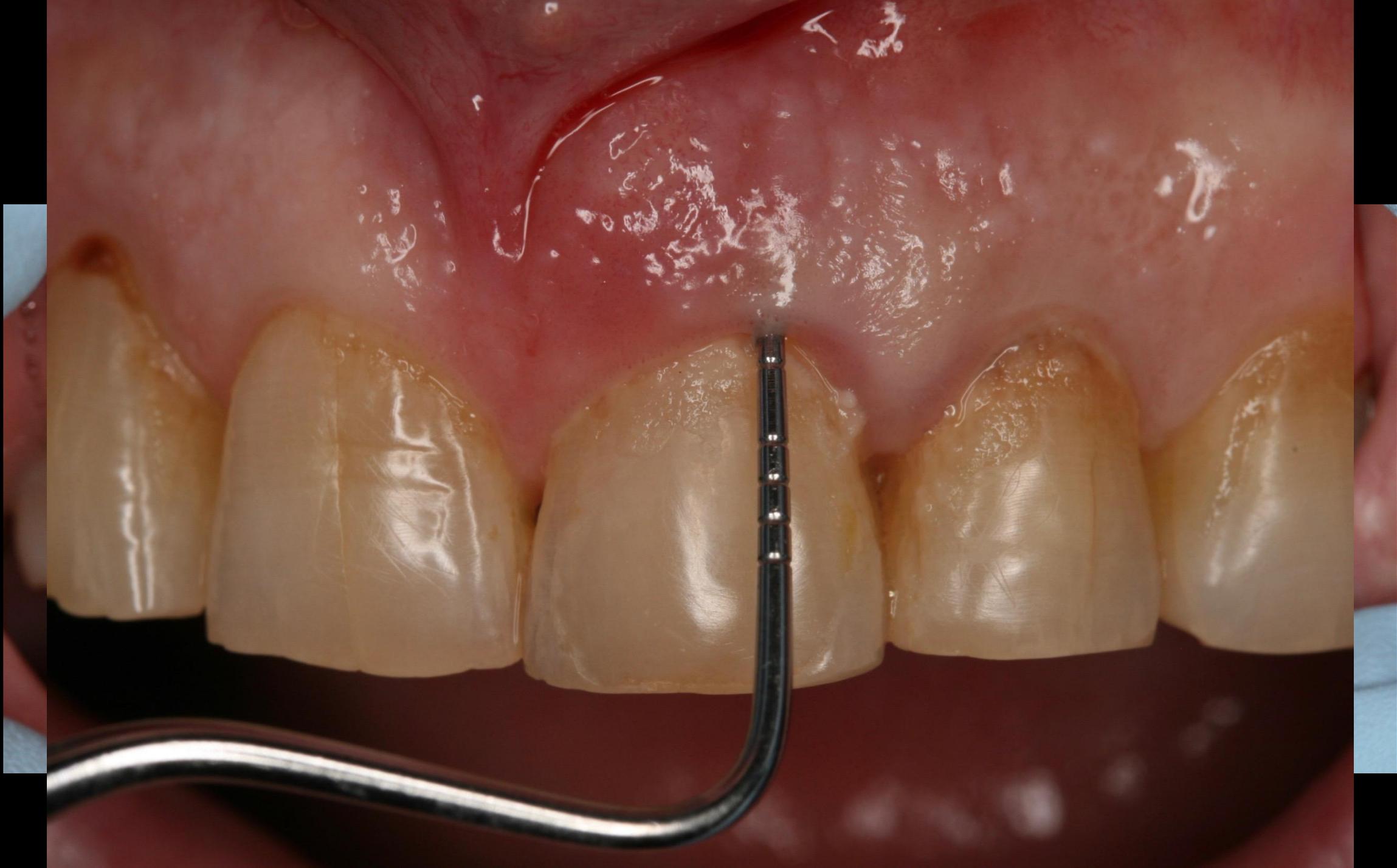
In Sales

- I's open the door
- D's close the deal
- S's nuture the relationship
- C's provide the credibility



Patient Assessment

- He is a 70 y.o. male
- He has been a friend of my fathers' for years and he recently called to say his front tooth hurts.
- He is rapid-fire and compulsive in his questioning. He makes you repeat yourself and wants to know both RESULTS and DETAILS
- What personality style blend might he be? *DISC*
- How might you go about presenting treatment to this patient? What alternatives can you consider?











4 year Follow-Up



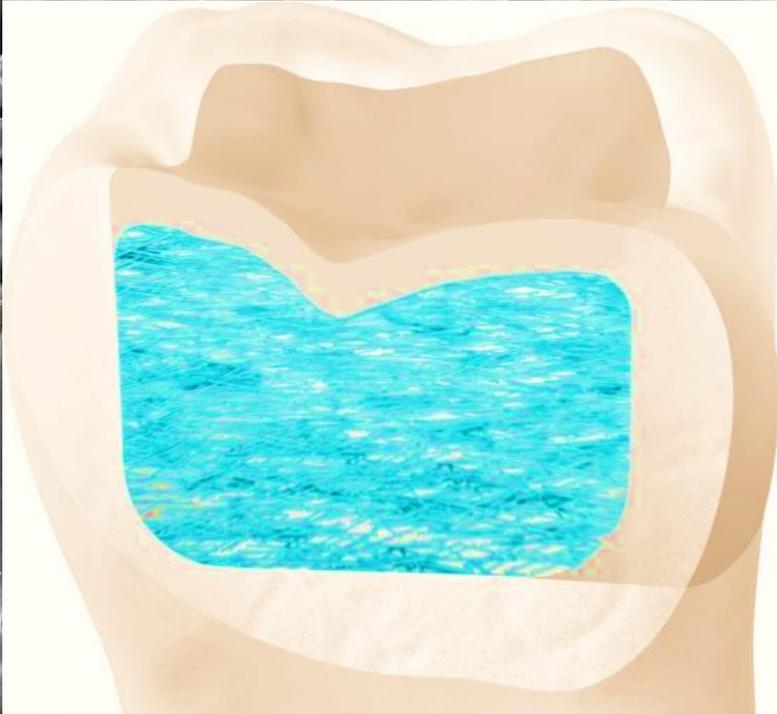
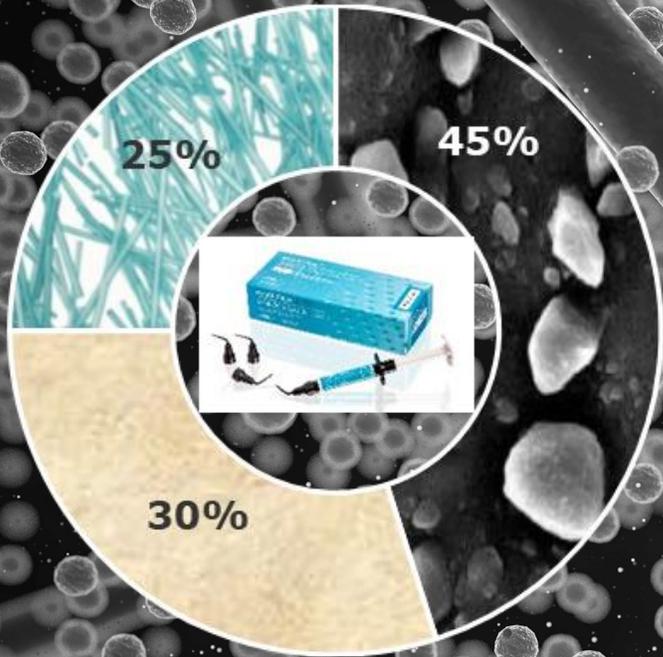
Patient Assessment

- He is a 42 y.o. male
- He has recently lost an implant, hates his flipper and is uncertain of next steps. He asks a lot of questions and is looking for guidance. He expresses he is tired of bouncing between multiple offices.
- The implant has failed twice, is this a good option for a third try? What is possible in the interim?

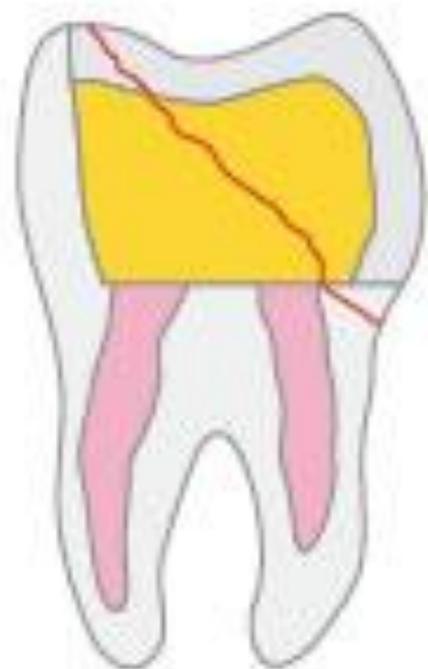








Conventional composite



Fibre-reinforced composite



Choose between a fast bulk placement and a more esthetic option



Dentin
shade

Depth of cure
2.0mm



Bulk
shade

Depth of cure
5.5mm

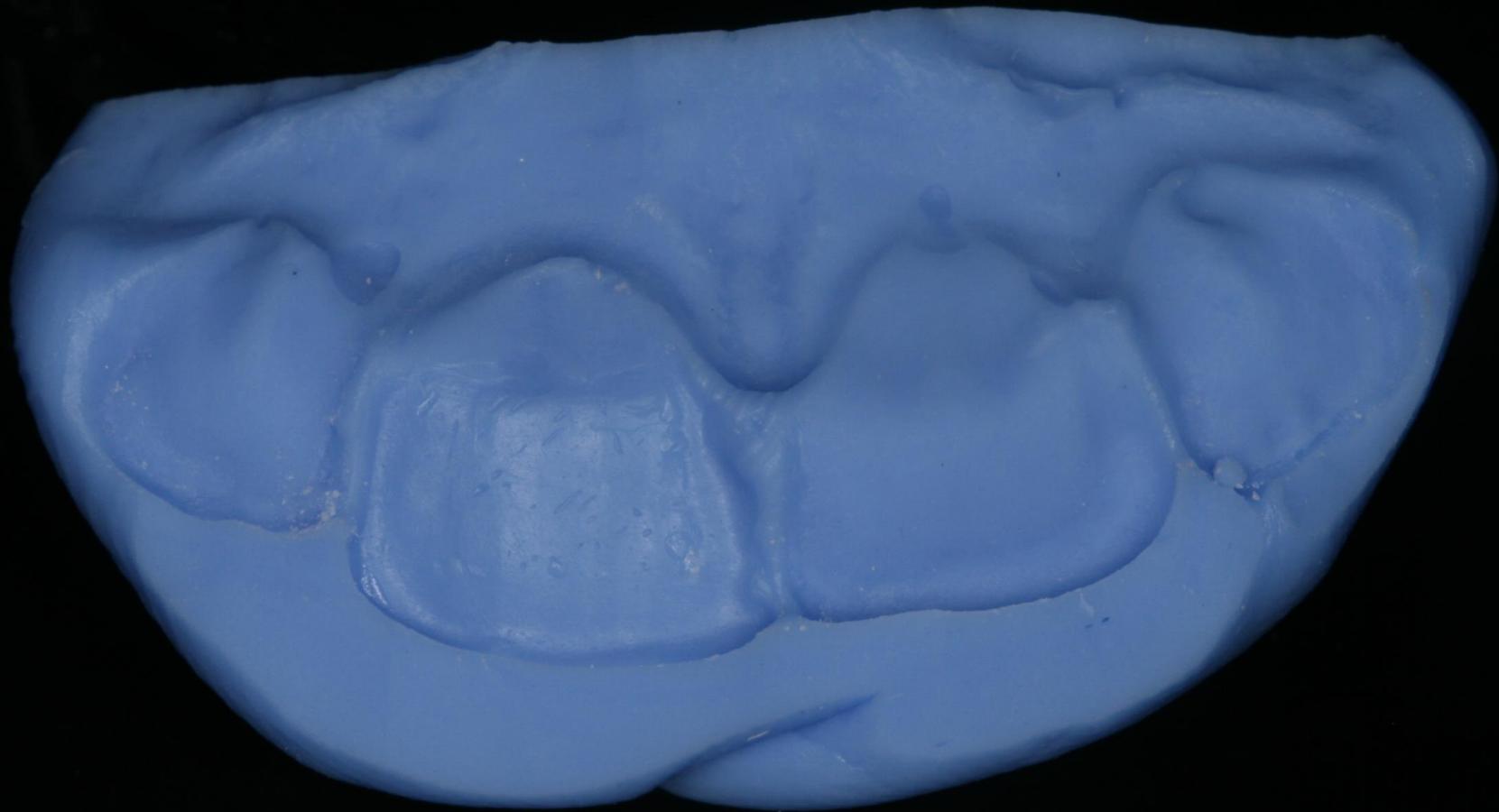


Optimal for **more esthetic results**
and **core build-up**

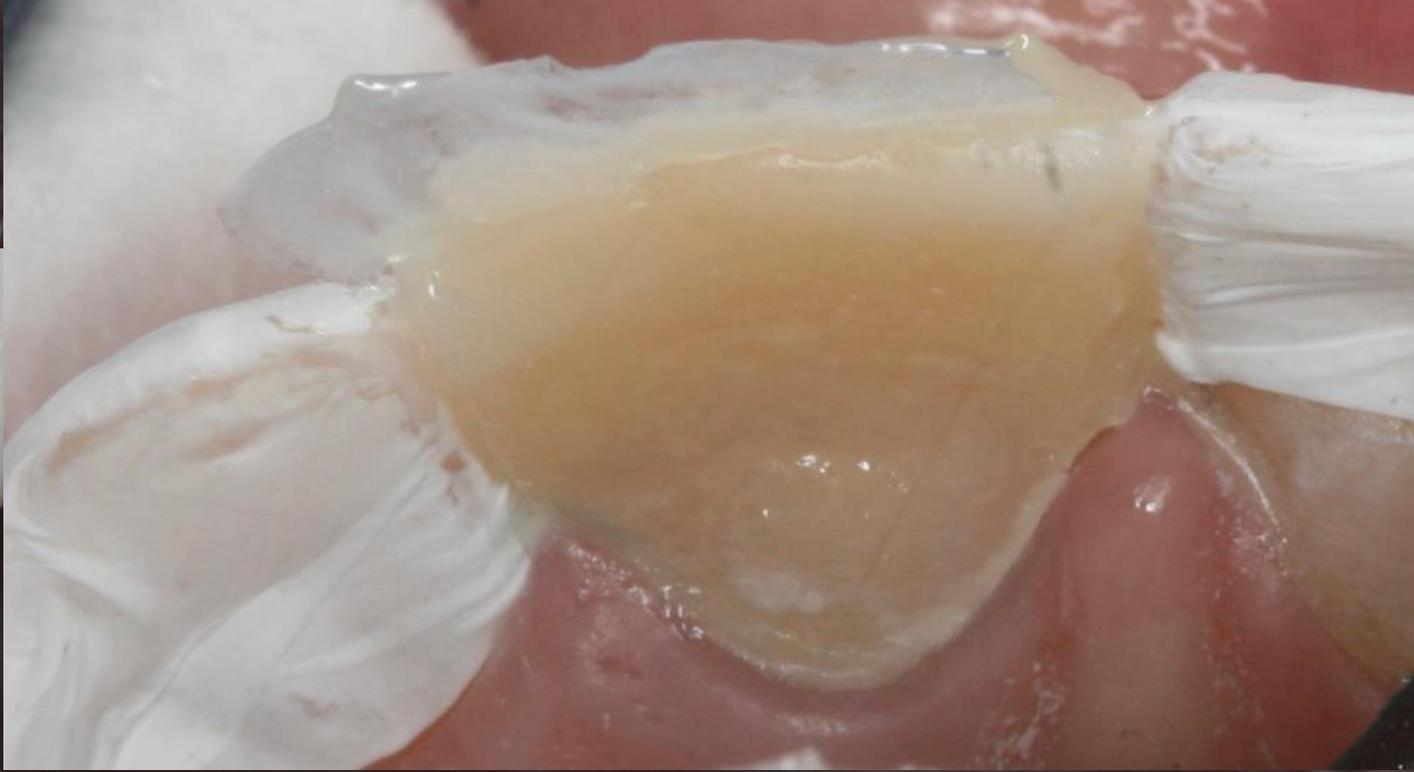
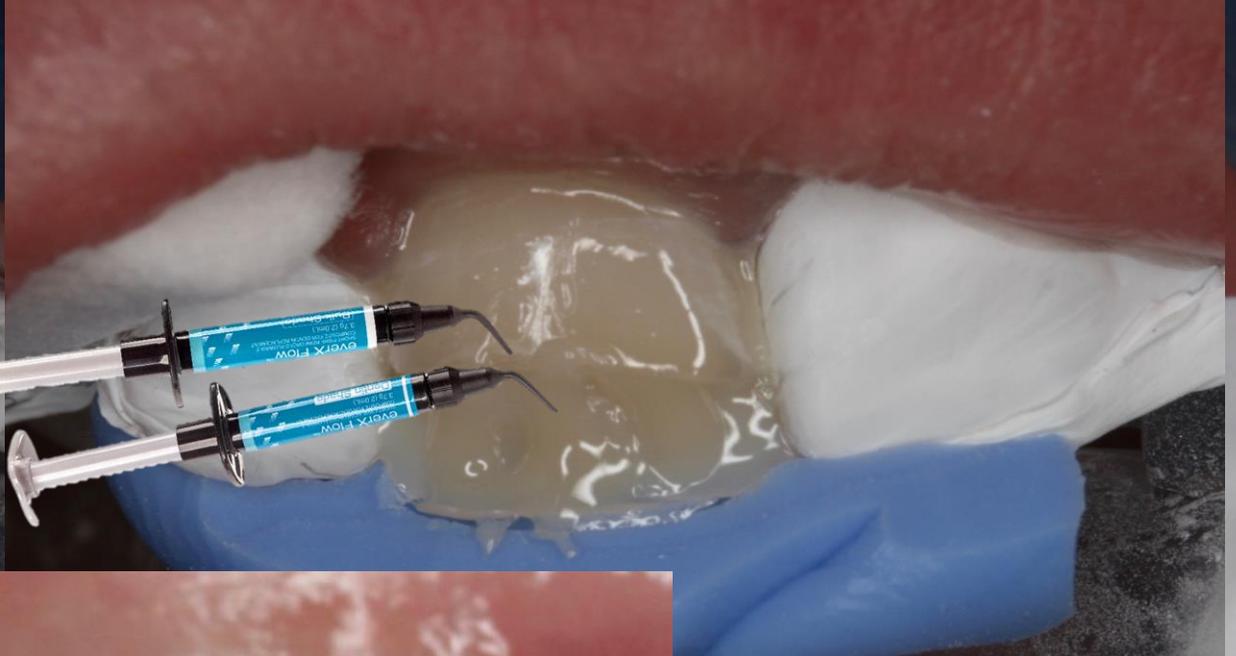
Optimal for **deep posterior cavities** and
for **fast placement**













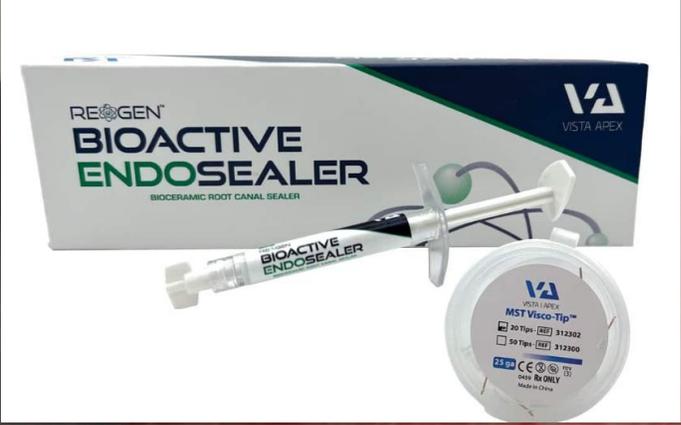
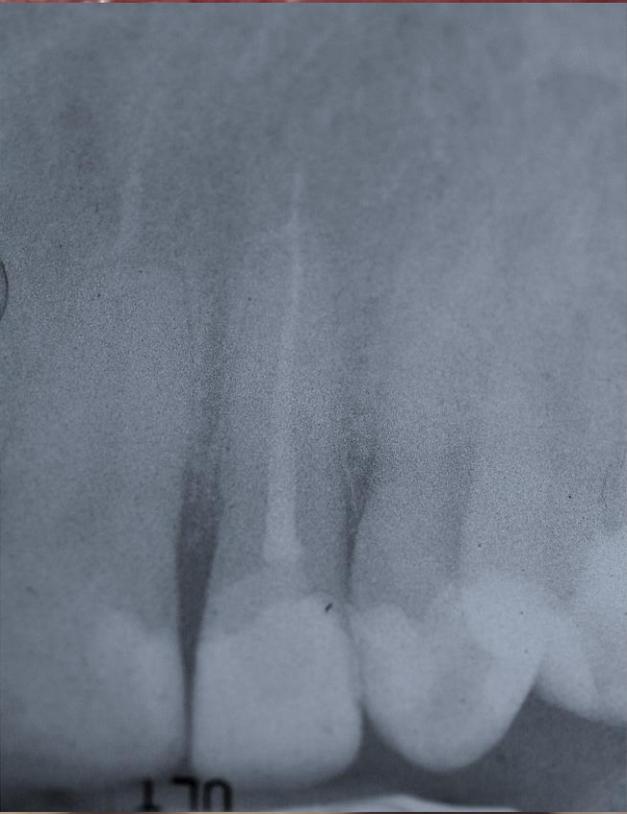
Patient Assessment

- 55 yo male
- He is quiet, nervous, and in because his wife brought him
- When questioned, he states “everything is fine, but was told he needs an implant for #10”
- Wife begins to state “everything is not fine, He needs a smile for our sons graduation.”
- What personality style might he be? *DISC*





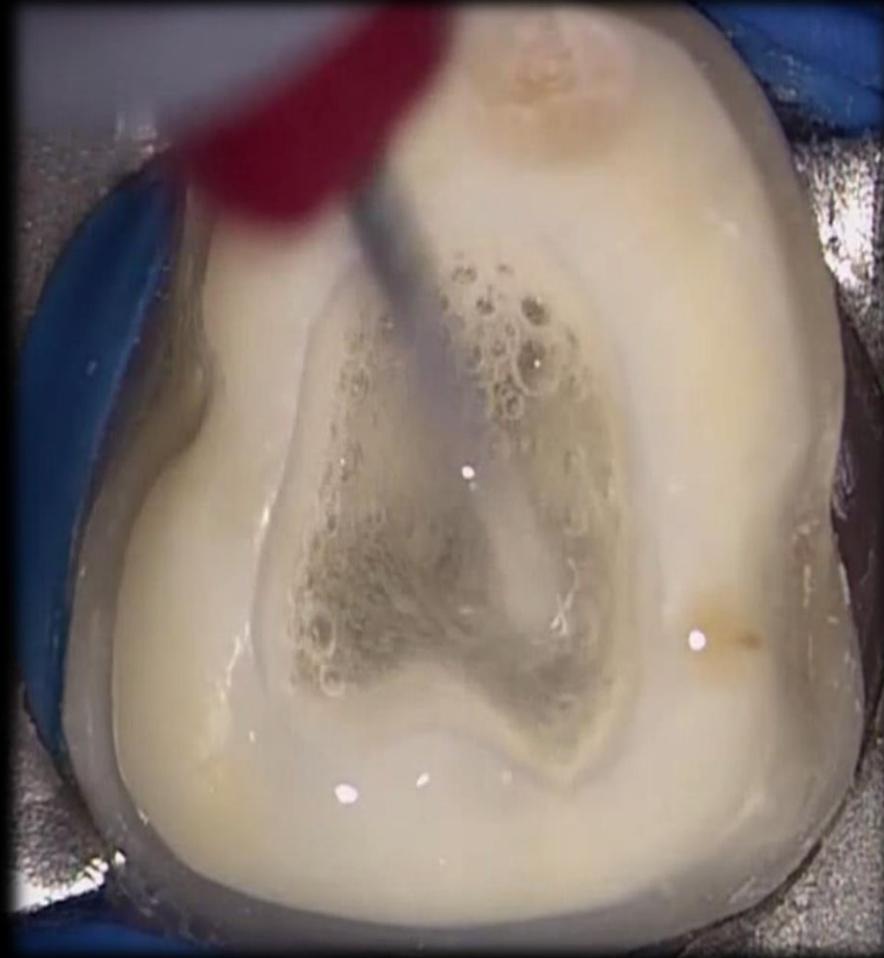




REGEN
BIOACTIVE ENDOSEALER
BIOCERAMIC ROOT CANAL SEALER

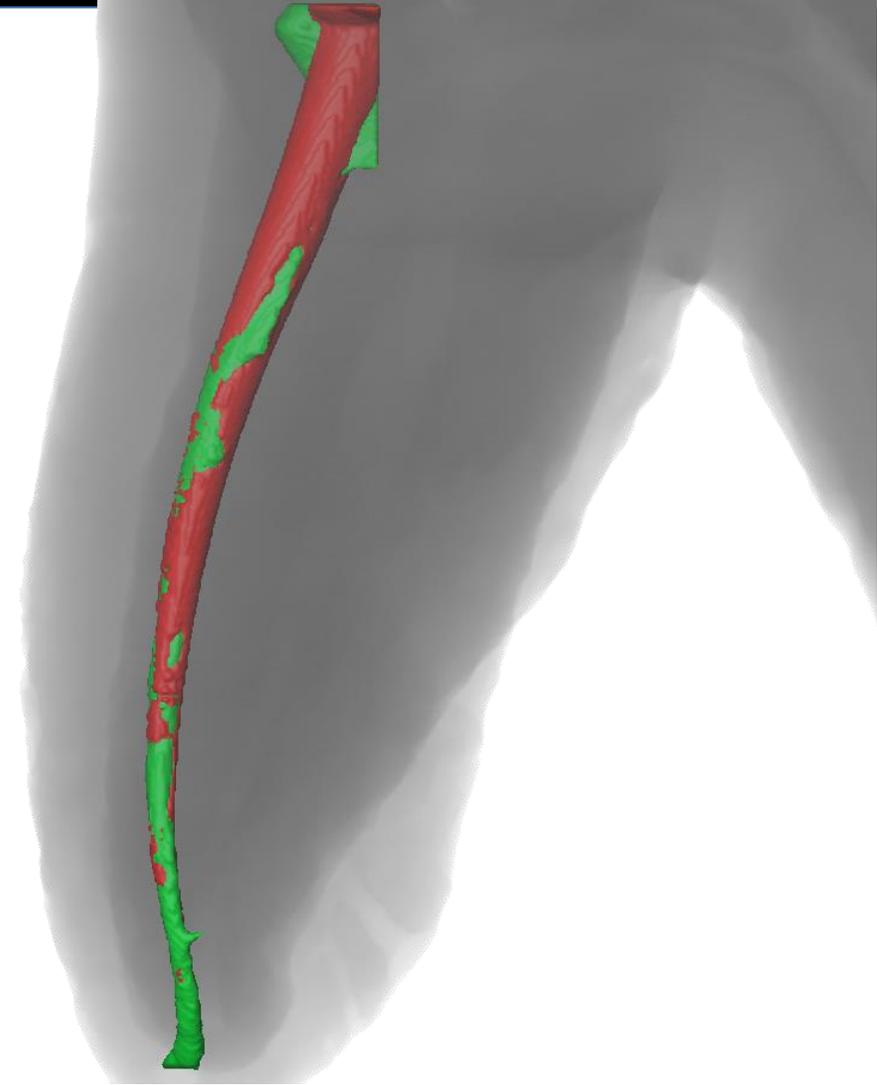


IRRIGATION



Importance of Irrigation

Up to 35% of Canal Walls
Are Untouched by
Instruments



Irrigants Clean Where We Cannot



ENDO|ULTRA®

The **EndoUltra® Cordless Handheld Device** produces ultrasonic tip frequency of 40,000 Hz (200x faster than sonic devices)!

EndoUltra® by Vista Apex harnesses ultrasonic technology in a compact, easy-to-use and cordless handheld device! **EndoUltra®** is the only cordless activator unit capable of generating the tip frequency (40,000 Hz) required to create sufficient acoustical streaming and the cavitation necessary to effectively clean, penetrate and remove vapor lock.

The complete **EndoUltra®** kit includes 3 autoclavable Titanium activator tips which resonate down the entire length of the tip! These unique, multi-use tips will not engage or remove tooth structure. Tips are available in 20/02 with depth markers at 16mm, 17mm and 18mm. Tip frequency is 40 kHz (40,000 cycles/second). Tips may also be purchased separately.

Cordless easy-to-use, ultrasonic activation

Battery charged LED indicator light
Green = Full
Orange = Partial
Red = Low

Sure grip design for comfort and easy maneuverability

On / Off button

Removable autoclavable sleeve

LED light for improved visualization

Autoclavable Titanium 20/02 Activator Tips

Ultra **EFFECTIVE**

Better penetration to every part of the canal!

Ultra **EFFICIENT**

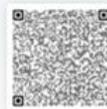
Better cleaning in less time!

Ultra **SONIC**

Better acoustic streaming with cavitation!



VISTA | APEX

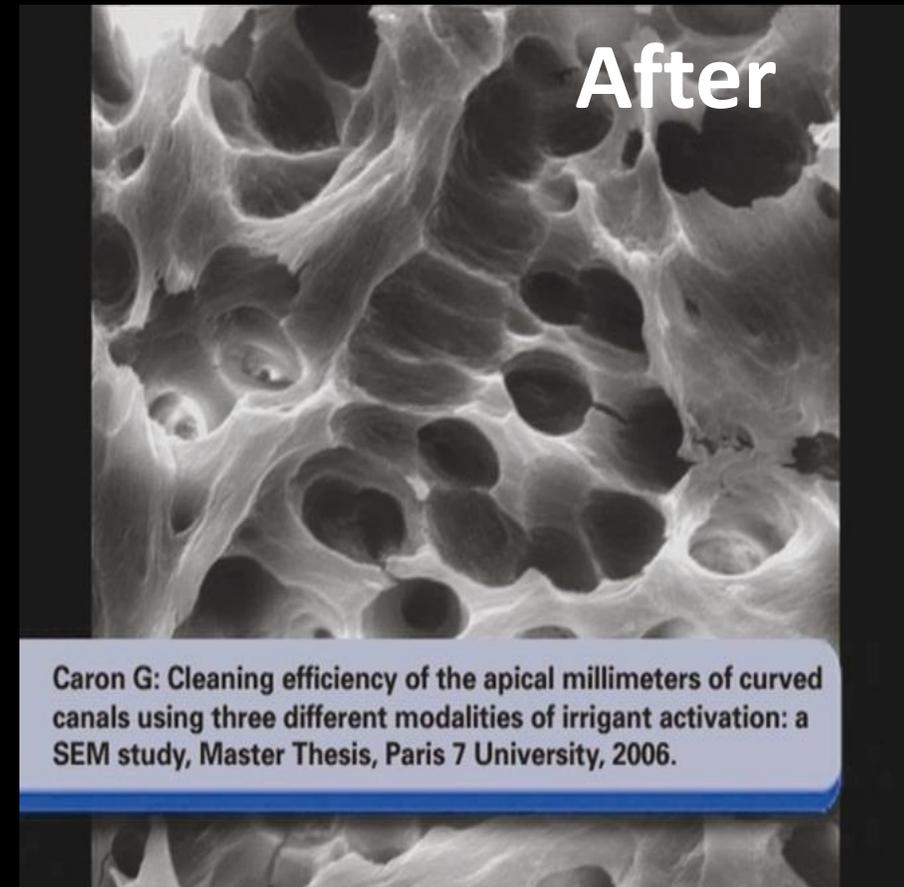
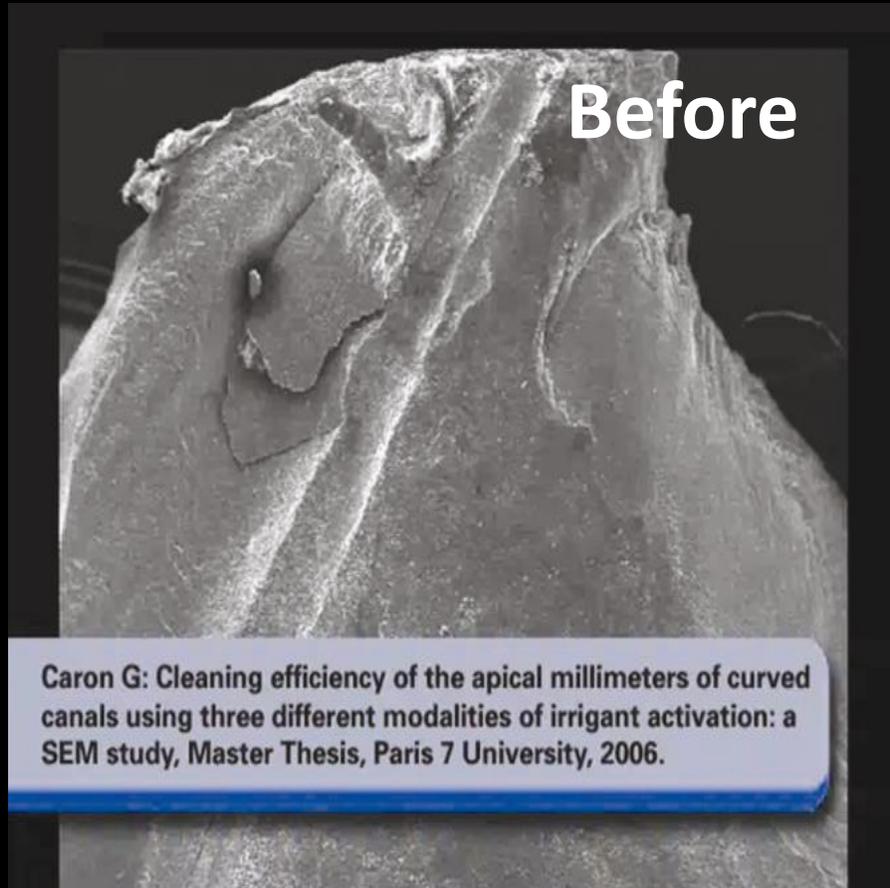


SCAN THE QR CODE TO GO DIRECTLY TO THE PRODUCT LISTING
VISIT VISTAAPEX.COM | CALL TOLL FREE 877.418.4782

Why Activation

- Research shows that cavitation and acoustic streaming significantly improve debridement
- Facilitates 3D debridement
- Facilitates faster and more effective removal of smear layer and biofilm

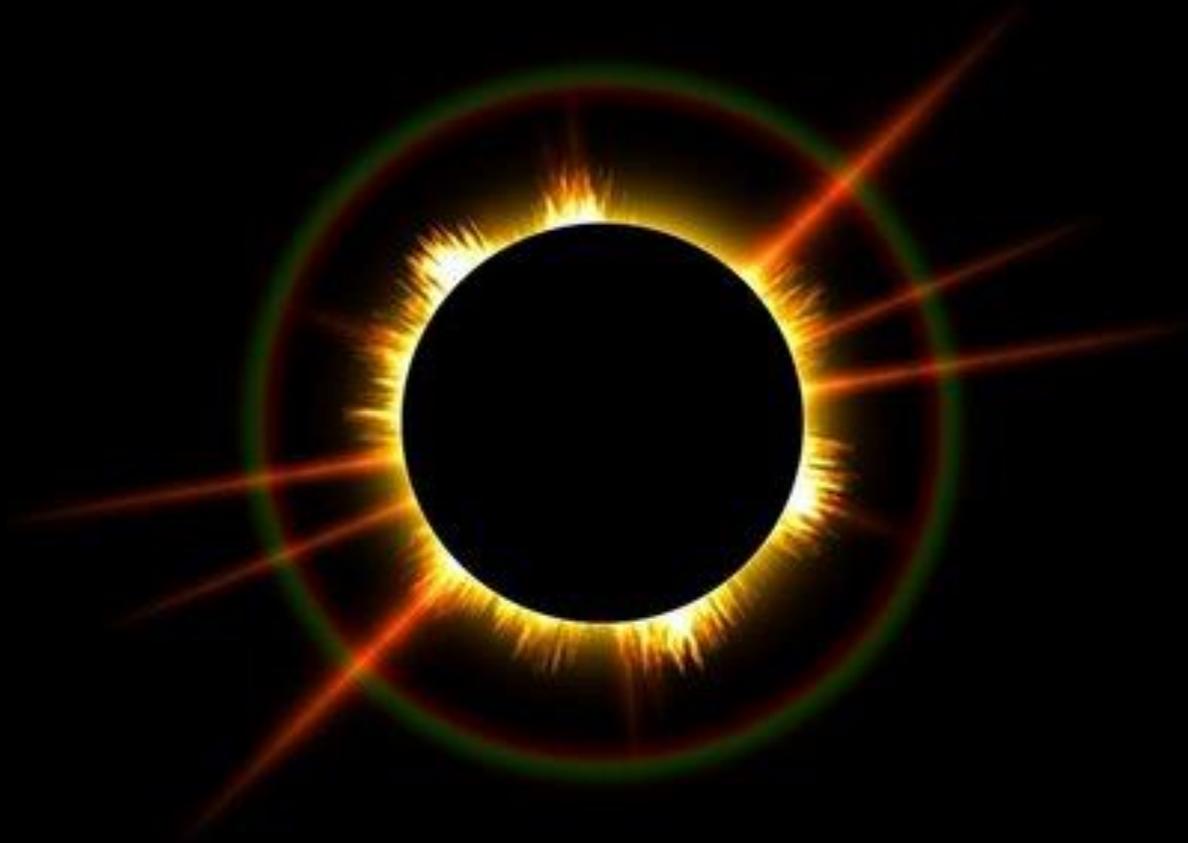
Activation has produced clean/open dentinal tubules







Light Polymerization and Curing Lights



Seal!

Insufficient cure continues to be an issue

37% of composite restorations are being insufficiently cured.

An insufficient cure can lead to adverse effects on physical properties, such as

- reduced bond strengths,
- breakdown at the margins & microleakage,
- and ultimately secondary caries.

Boksman, L., Santos GC., (2012). Principles of Light Curing. Inside Dentistry, Volume 8, Issue 3. d failure.





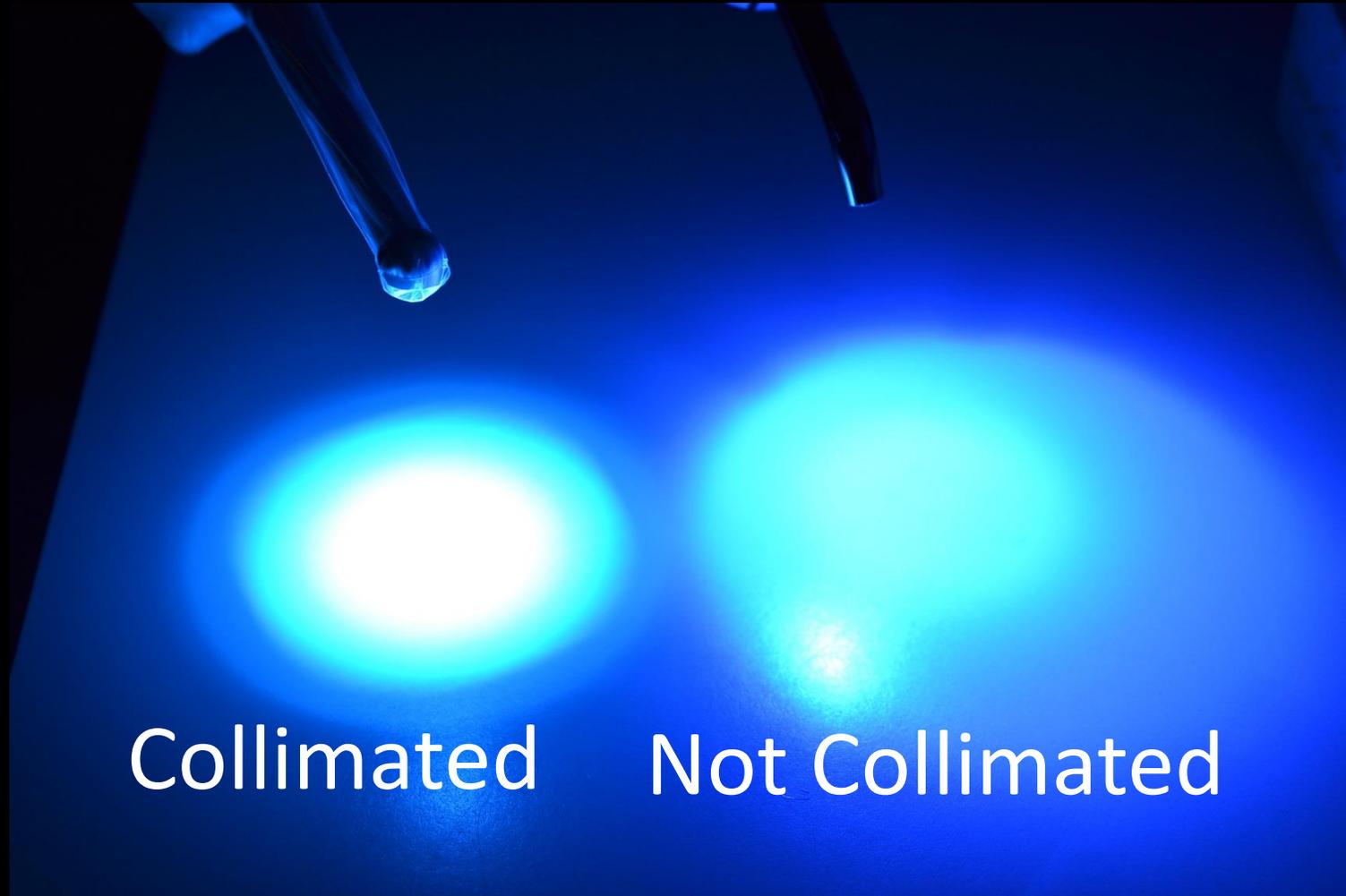
Proper Light Use

- **Light curing should be based on depth**
- Deeper preps require longer curing times

Beam Collimation and Performance Over Distance

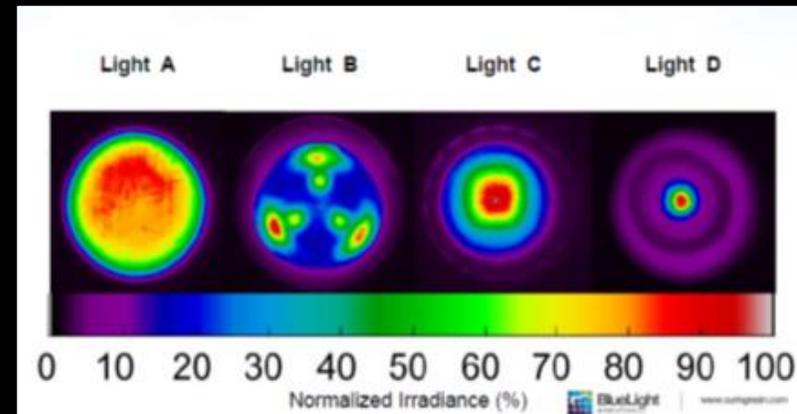


Beam Collimation and Performance Over Distance



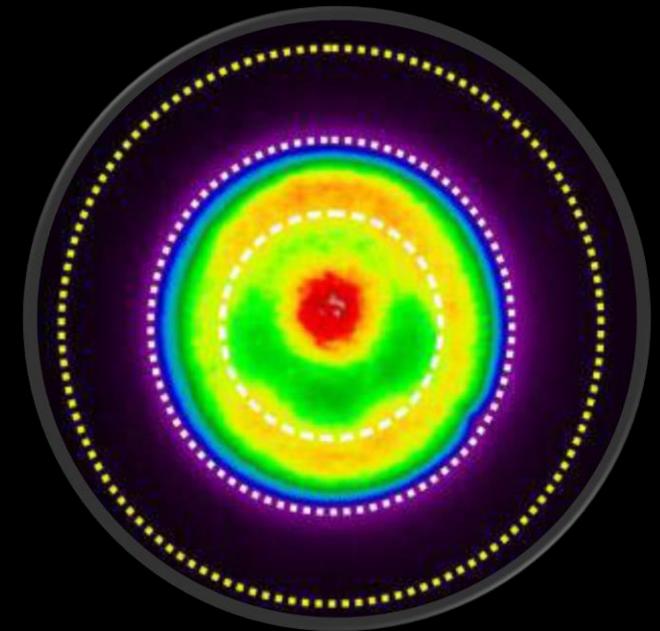
Distribution of LEDs

There are hot and cold spots within the curing light tip, and they vary with every light.

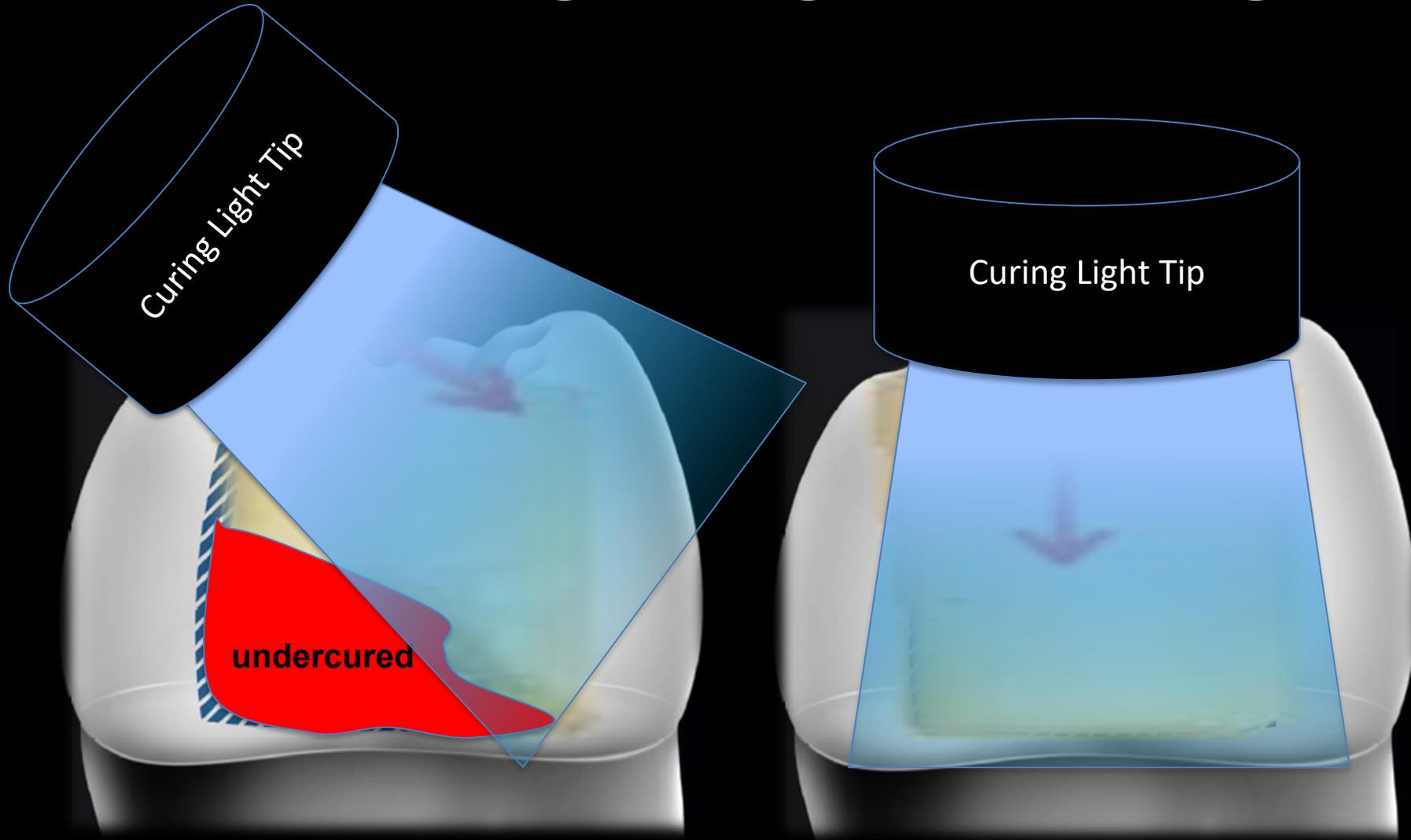


Beam Profile

The effective part of the light beam should be evenly distributed across the face of the light tip to maximize curing effectiveness and minimize the negative impact of operator technique.



Effect of Light Angle on Curing





Most lights only deliver 35% of stated output to
bottom of deep box

How does your light perform where it counts?






pinkwave™


VISTA | APCX

Patented

Goodbye Blue, Hello Pink

PinkWave was distinctly designed to enhance the efficacy of curing procedures. PinkWave is equipped with Apex's Patented QuadWave™ Technology which leverages four different wavelengths to ensure peak performance. Along with the standard blue light, PinkWave also employs red, near infrared (NIR) and UV light, which together, make up the only pink light on the market. This innovative approach to curing has never been achieved before and results in both doctor and patient benefits.

- Built in Transilluminator
- 3 curing modes — Boost, Standard, and Ramp
- 1640 mW/cm² on Standard mode and 1865 mW/cm² on Boost mode

PinkWave™ Compared to Standard Blue Light



Decrease in Shrinkage



Increase in Polymerization



Increase in Curing Area



Depth of Cure



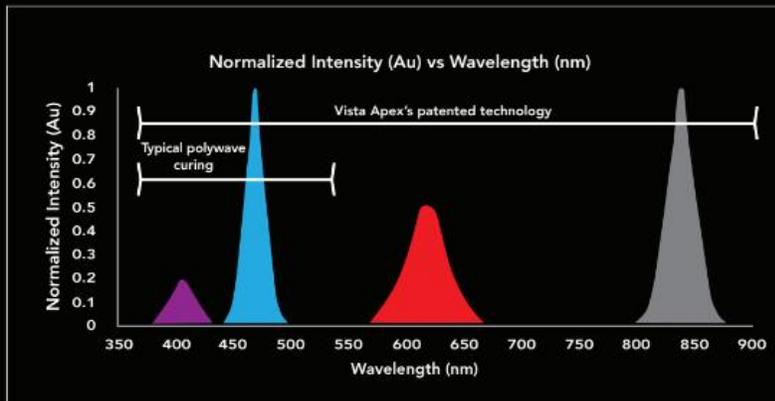
Lightweight

How you cure matters

quadwave™
●●●●● Technology

PinkWave™ QuadWave™ Technology leverages four different wavelengths to ensure peak performance:

- UV-photo Initiators
- CQ Initiator
- Enhanced Polymerization
- NIR – Enhanced Polymerization



Largest Curing Area



Transilluminator



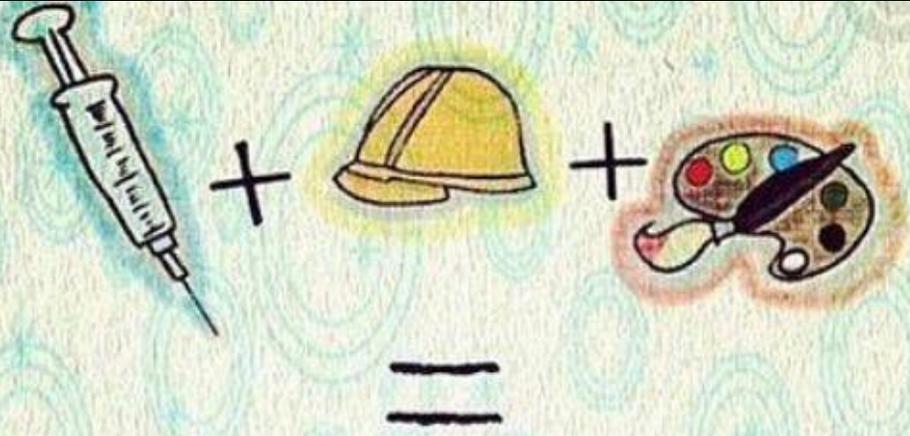
Easy posterior access



Ordering Information

- PinkWave™ Kit 90734
- (1) Cordless Curing Light
 - (1) Induction Charging Base
 - (1) Power Cord
 - (5) Autoclavable Light Shields
 - (100) Barrier Sleeves





@rafal_draw
dentist

d : doctor

en : engineer

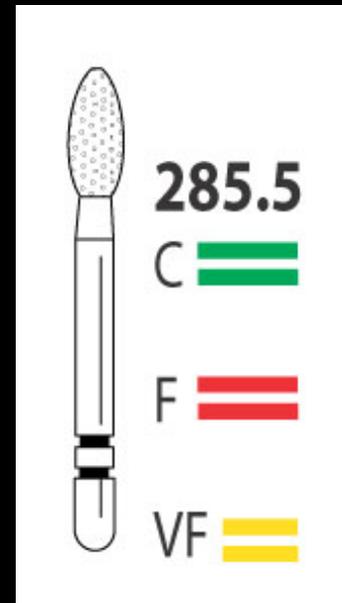
tist : artist

Materials



Fun Facts About Diamonds Burs

- 20% of Dental Diamond Shapes Create 80% of Preps
- The Football 285.5C is the #1 used diamond shape
- 6 of the top 10 are “Chamfer” round-end taper shapes, Round- End Tapers (Chamfer 770.8C used as control in clinical studies)
- Flat-End Tapers, Beveled Cylinders and Flames next most frequently used shapes



KR Taper



Modified
Shoulder



**703.8
KR**

C 

2015352

F 

2015353



**722.8
KR**

C 

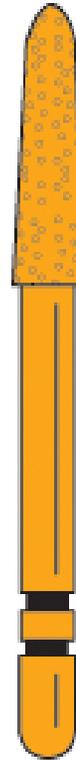
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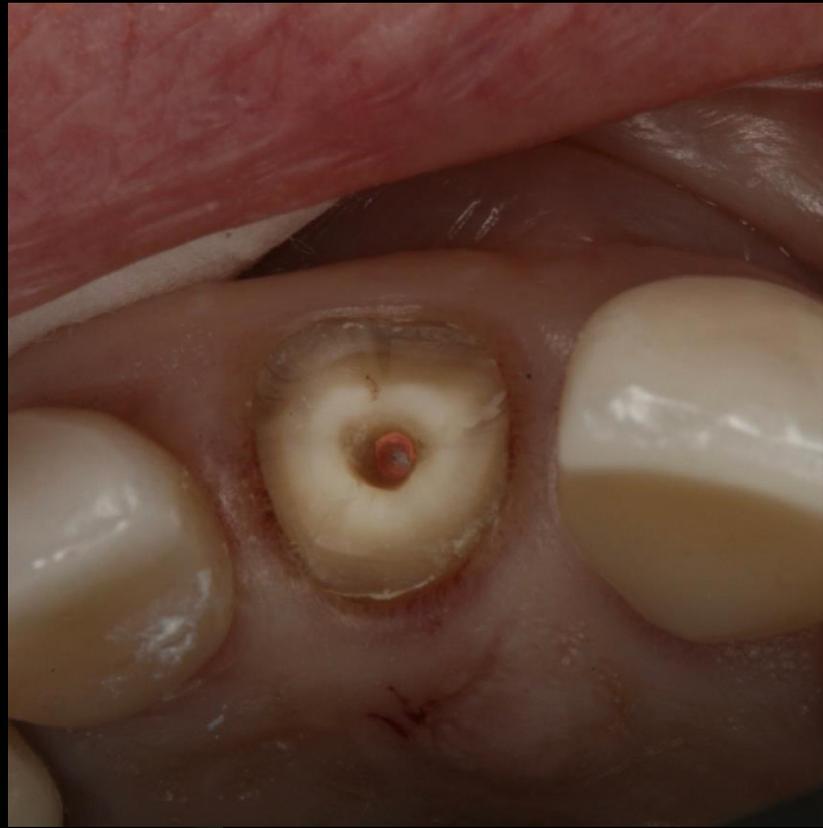
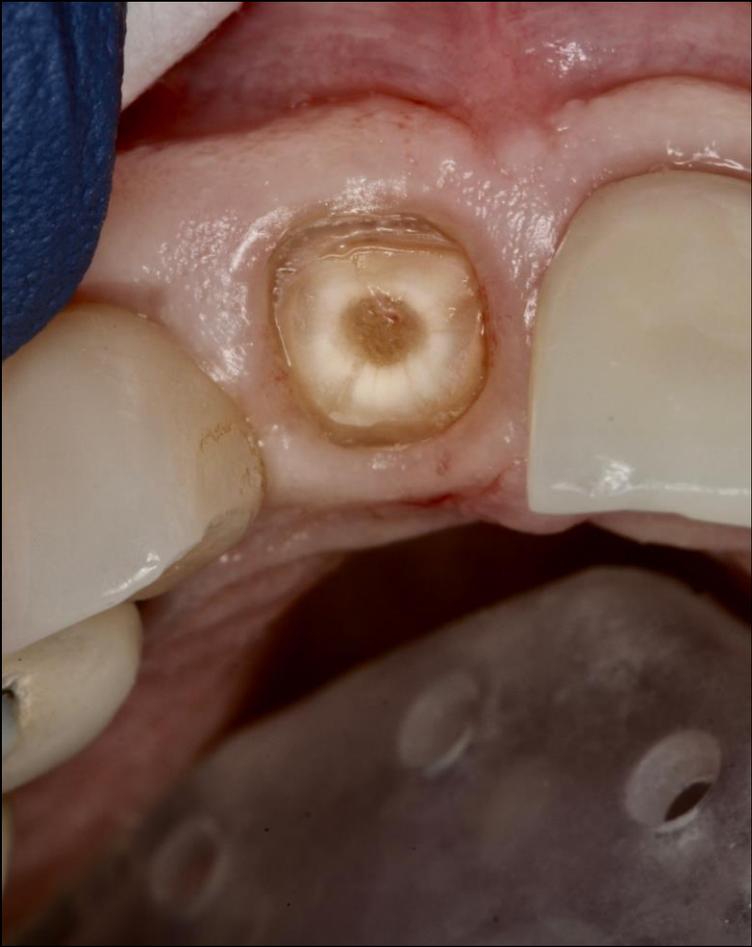
**708.4
KR**

C 

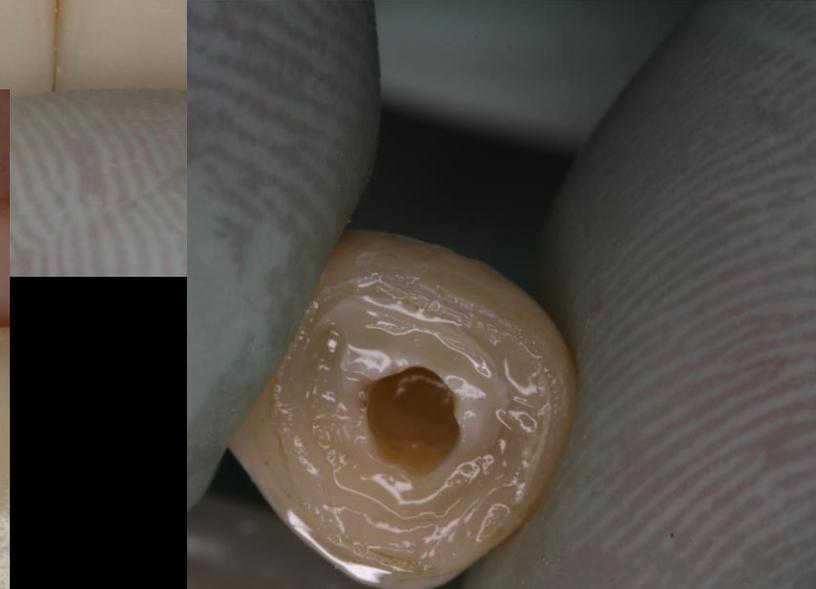
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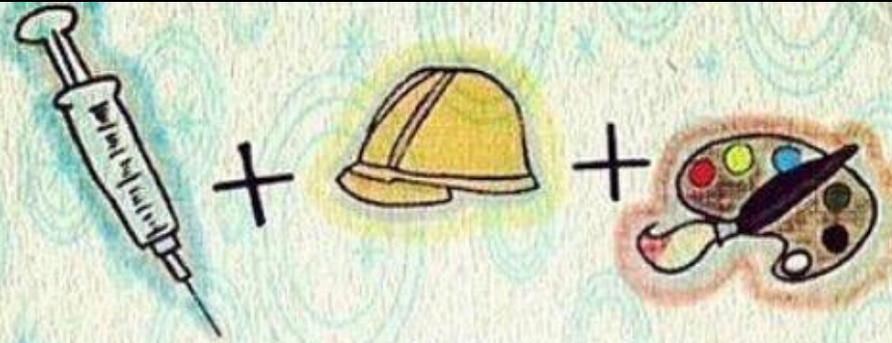
My feelings have changed...











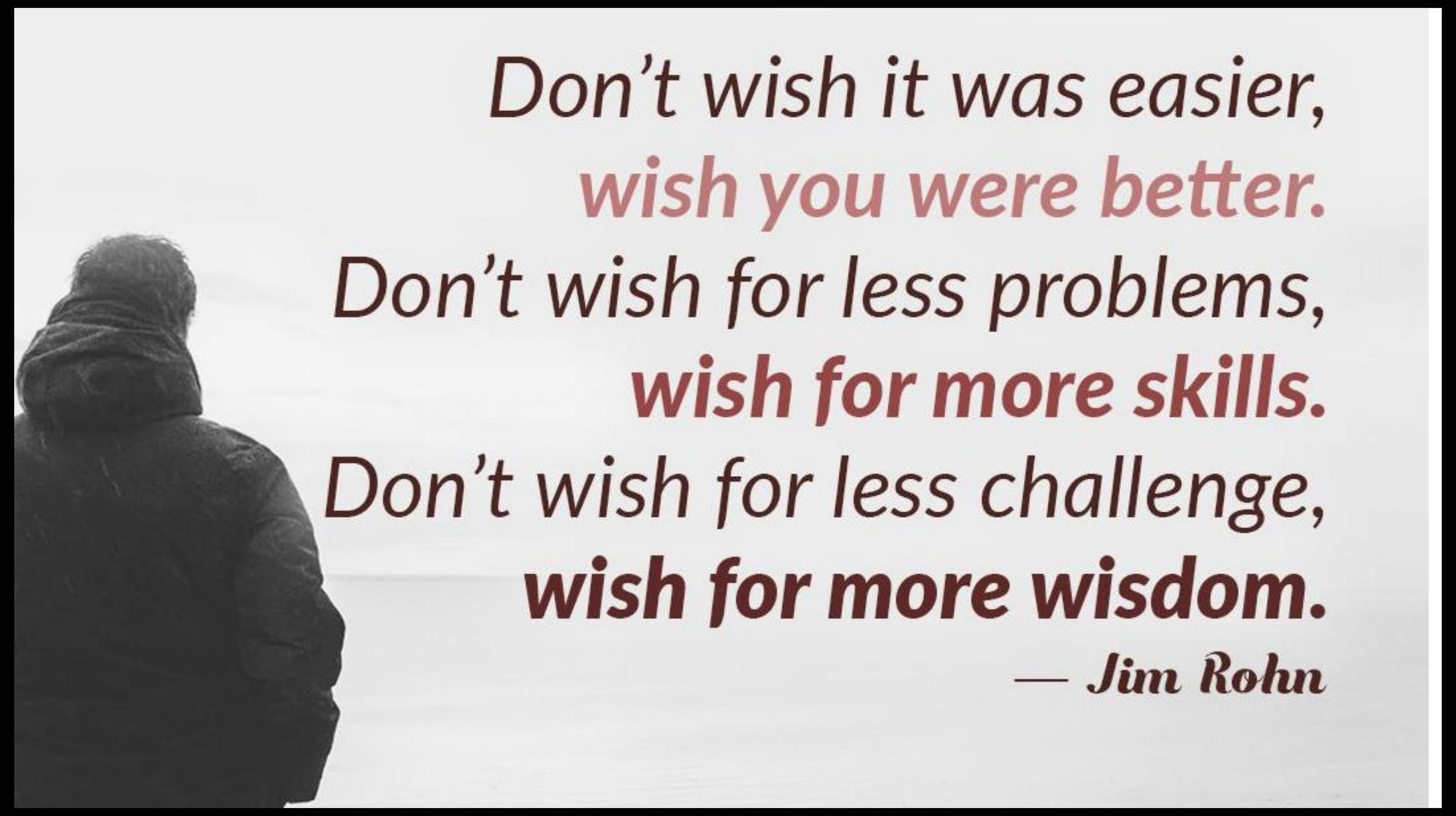
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@rafal_draw dentist

d : doctor

en : engineer

tist : artist

A person wearing a dark, heavy hooded jacket is seen from the back, looking out over a vast, misty or snowy landscape. The background is a soft, white expanse, possibly a field or a beach covered in snow, with a faint horizon line. The overall mood is contemplative and serene.

*Don't wish it was easier,
wish you were better.*

*Don't wish for less problems,
wish for more skills.*

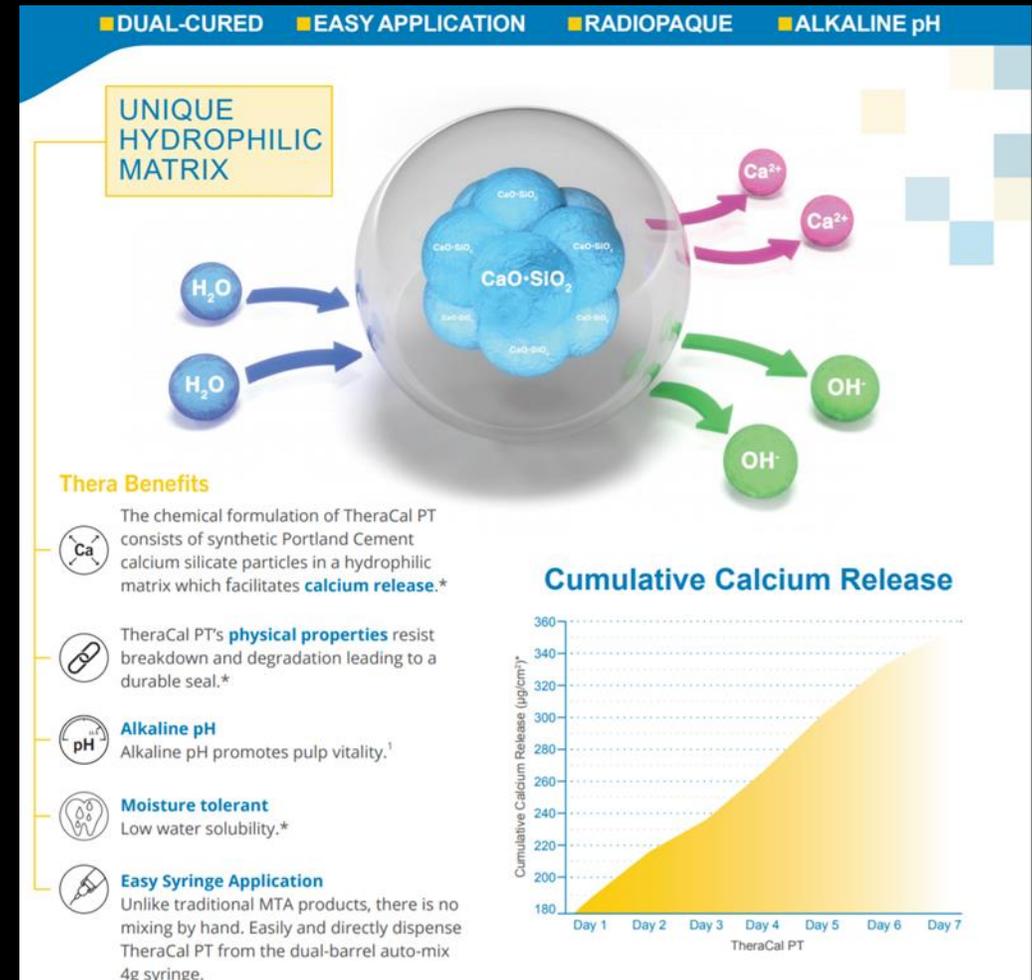
*Don't wish for less challenge,
wish for more wisdom.*

— Jim Rohn

MTA Materials

1. Highly **BIOCOMPATIBLE**
2. Excellent sealing properties
3. Stimulates dentin formation
4. Alkaline Ph (about 12.5)
5. Moisture tolerant
6. Long-term stable

Torabinejad (et al) (1999). Clinical Applications of mineral trioxide aggregate. JOE 25(3) 197-205



Avulsions

- Reimplant tooth within 15-60min for best results
 - Store in milk or saline
 - Do not scrub root surface, gently rinse if dirty
- Splint for minimum of two weeks (4-6 if alveolus involved)
- For mature teeth, root canal within 2 weeks to prevent resorption



Creative ER Doc













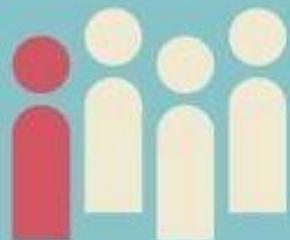








POOR ORAL HEALTH EPIDEMIC



1 in 4: Americans with untreated tooth decay



80% of Americans have at least 1 cavity by age 17.



66% of US adults over 45 who have lost a tooth to decay



75% of US adults have gum disease

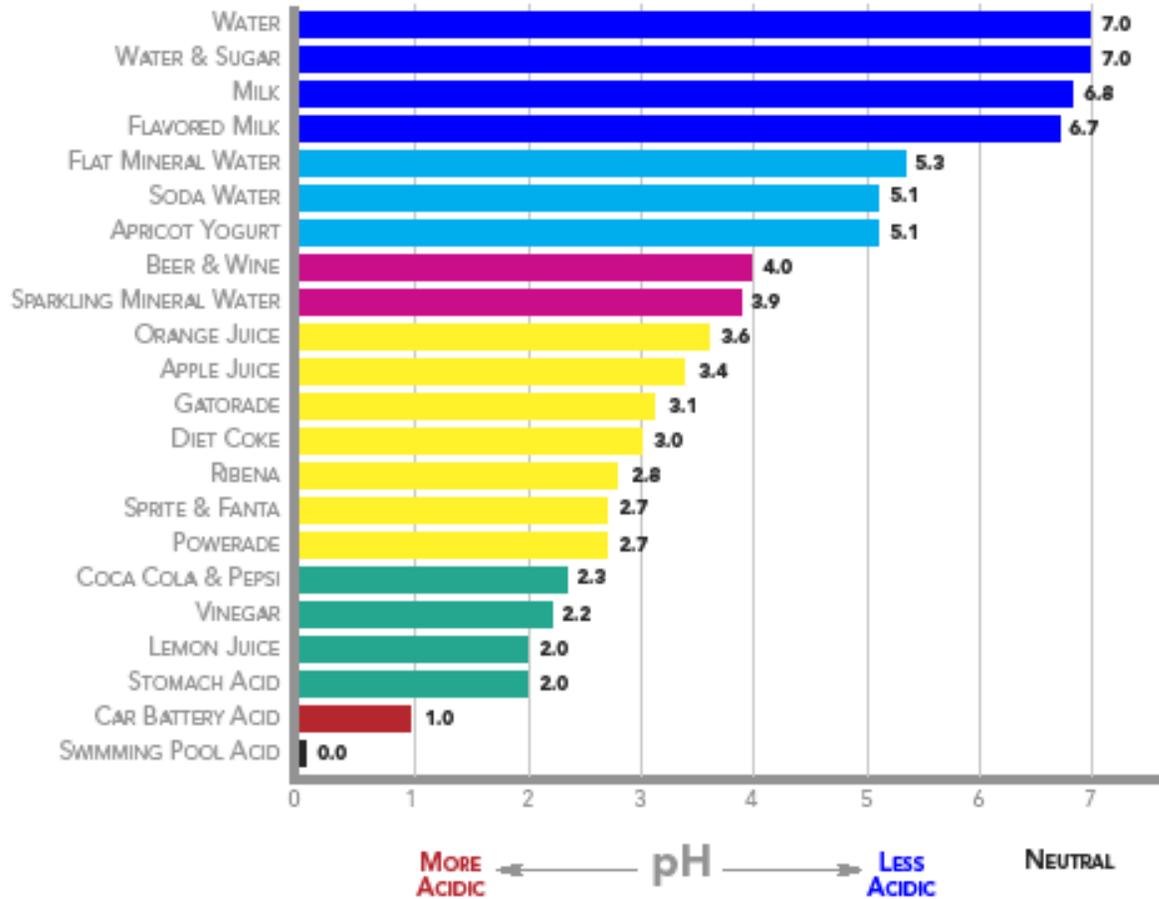


164 million: Work hours lost each year due to dental health issues.



Acidity (pH) of Common Drinks

The lower the pH, the stronger the acid!



PH SCALE

3.0
pH

4.0
pH

5.0
pH

6.0
pH

7.0
pH

8.0
pH

9.0
pH

10.0
pH

11.0
pH

Propel
pH: 3.5

vitaminwater
pH: 3.5

DAŠANI
pH: 3.5

perrier
Perrier: 5.5

AQUAFINA
Aquafina: 5.4

Island Spring
Island Spring: 6.0

DEER PARK
Dear Park: 6.3

smart
Smart Water: 5.5

CRYSTAL GEYSER
Crystal Geyser Sparkling: 5.7

TAP
Tap Water: 7.0

ICE AGE
Ice Age: 7.4

FIJI
Fiji: 7.2

ARROWHEAD
Arrowhead: 7.2

REAL WATER
Real Alkalized: 8.0

CRYSTAL GEYSER
Crystal Geyser: 7.0

VITAL
Vital: 7.6

evian
Evian: 7.6

Zephyrhills
Zephyrhills: 7.0

ESSENTIA
Essentia: 9.3

Water for People
Air Water Life Water: 9.5

Kangen
Kangen: 9.3

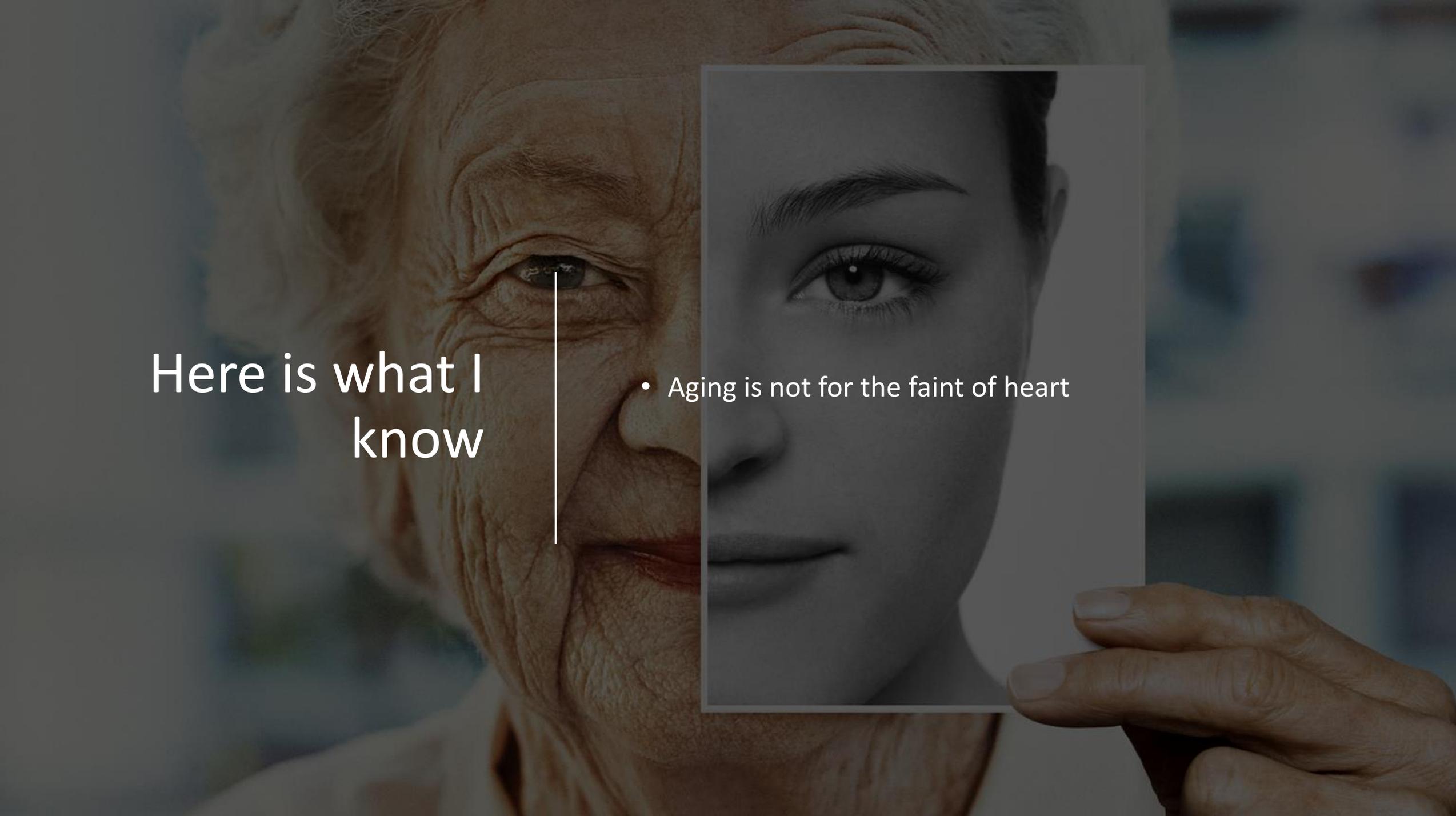
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ACIDIC WATERS

ALKALINE WATERS

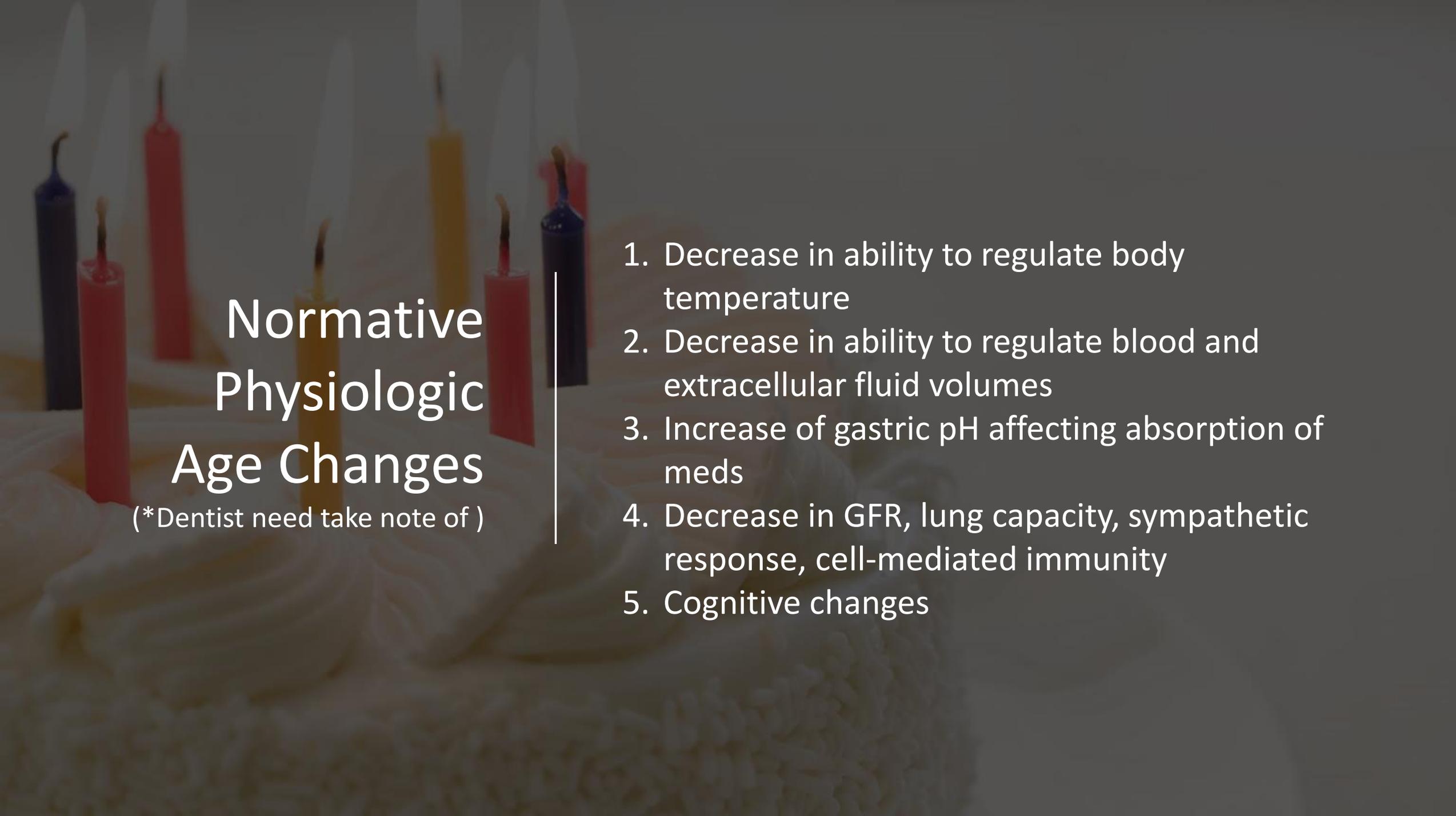
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Here is what I
know

- Aging is not for the faint of heart



Normative Physiologic Age Changes

(*Dentist need take note of)

1. Decrease in ability to regulate body temperature
2. Decrease in ability to regulate blood and extracellular fluid volumes
3. Increase of gastric pH affecting absorption of meds
4. Decrease in GFR, lung capacity, sympathetic response, cell-mediated immunity
5. Cognitive changes

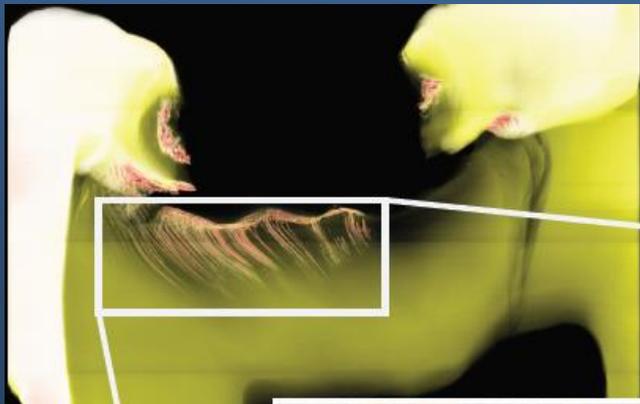


Roughly 348 Meds Cause Xerostomia

the pH roller coaster in your mouth



The critical pH of root surface is 6.2-6.7



Fluoride content in SDF and Fluoride Varnish commercial unit doses

Fluoride product	Unit dose	Concentration	F ion mg/ml	F ion mg/dose
SDF 38%	1 drop (0.025 ml)	44,800 PPM	44.8	1.12
5% NaF Varnishes	0.25 ml	22,600 PPM	22.6	5.65
	0.4 ml	22,600 PPM	22.6	9.04
	0.5 ml	22,600 PPM	22.6	11.3
2.5% NaF Varnish	0.1 ml (4 drops)	11,300 PPM	11.3	1.13

In short, one drop of SDF has the same amount of F as one liter of properly fluoridated water.



=

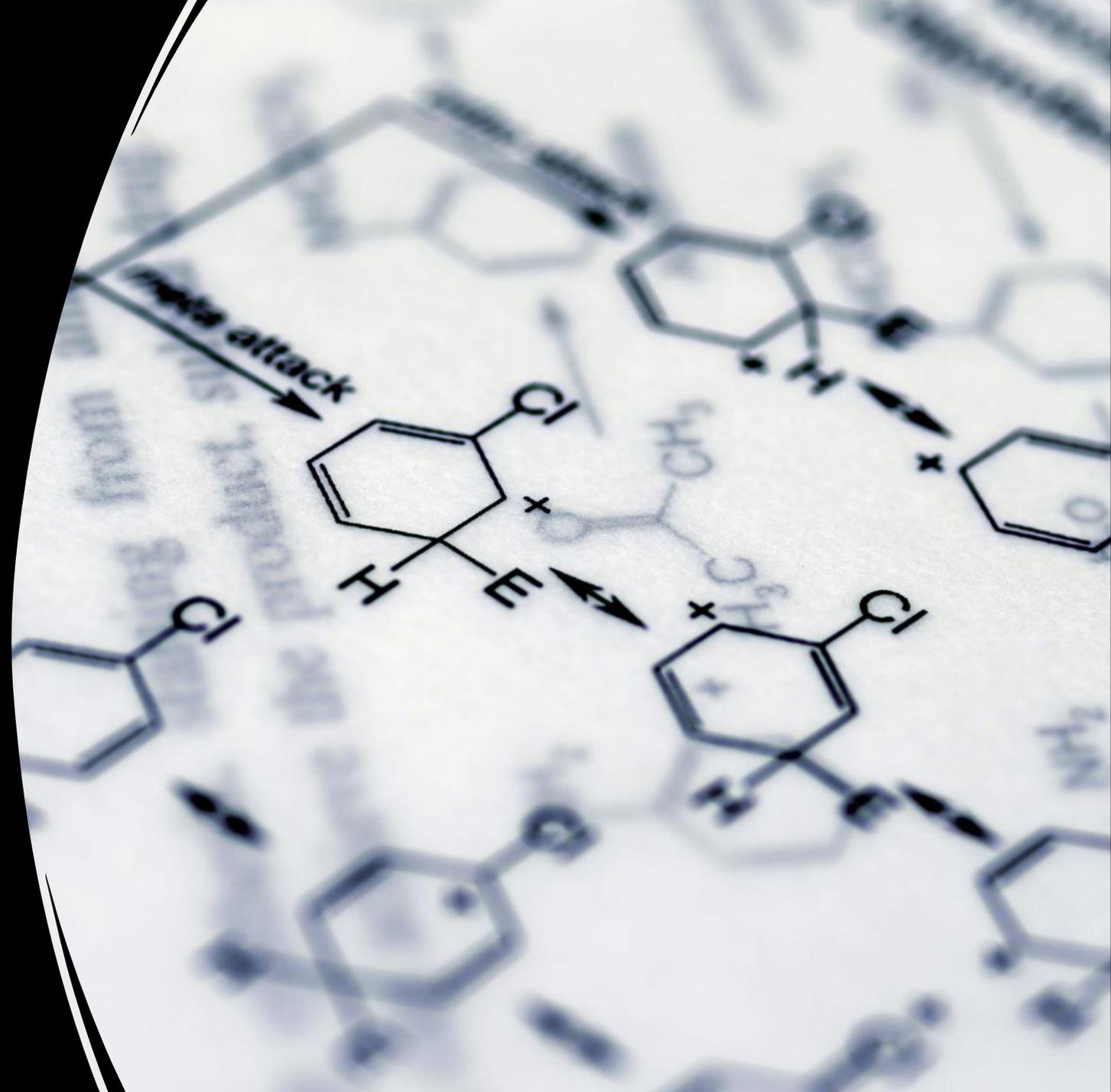


One Drop of SDF

One Liter of Water
@ 1 ppm F

2 Designations for SDF

1. Caries arresting agent
2. Fluoride based desensitizer



SDF in General Practice

Caries Arrest in Dentistry

SDF is a valuable agent widely used to stop dental caries effectively, especially for children and older adults.

Non-Invasive Treatment Option

SDF offers a non-invasive alternative for cavity management, suitable for patients who cannot undergo traditional procedures.

Sensitivity Management

SDF helps manage dental sensitivity and minimizes the progression of carious lesions, improving patient comfort.



Case Studies













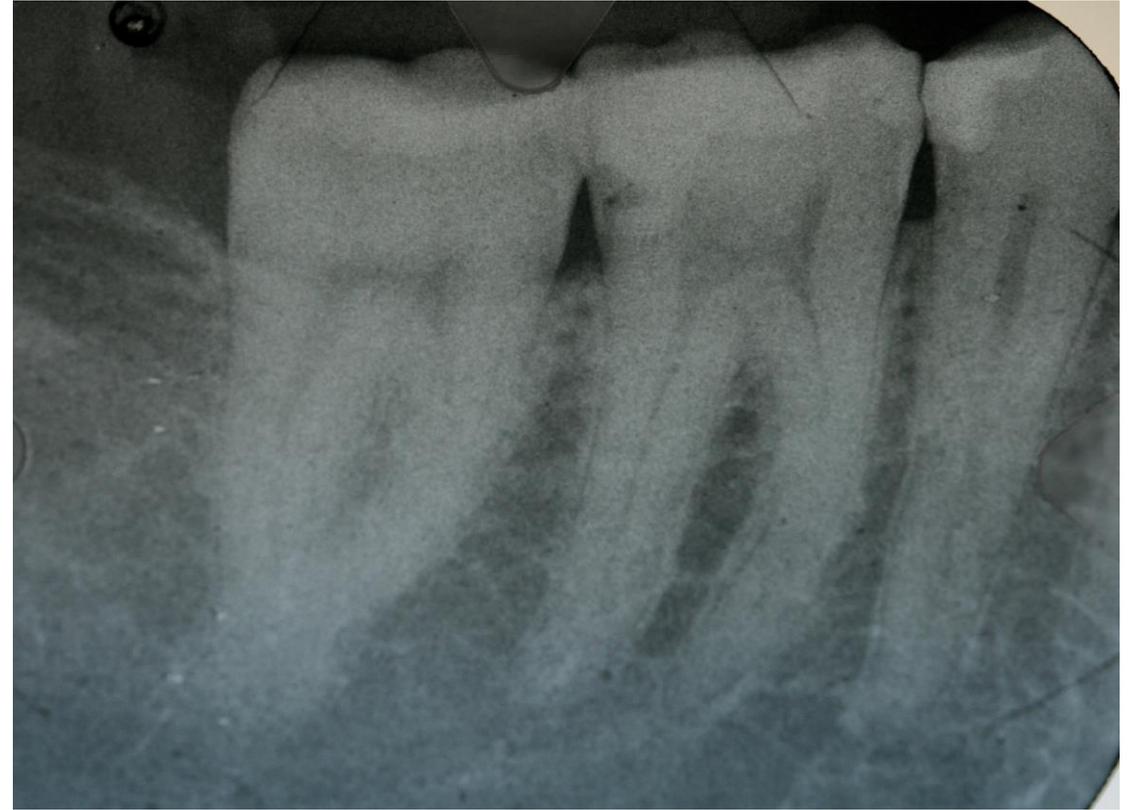
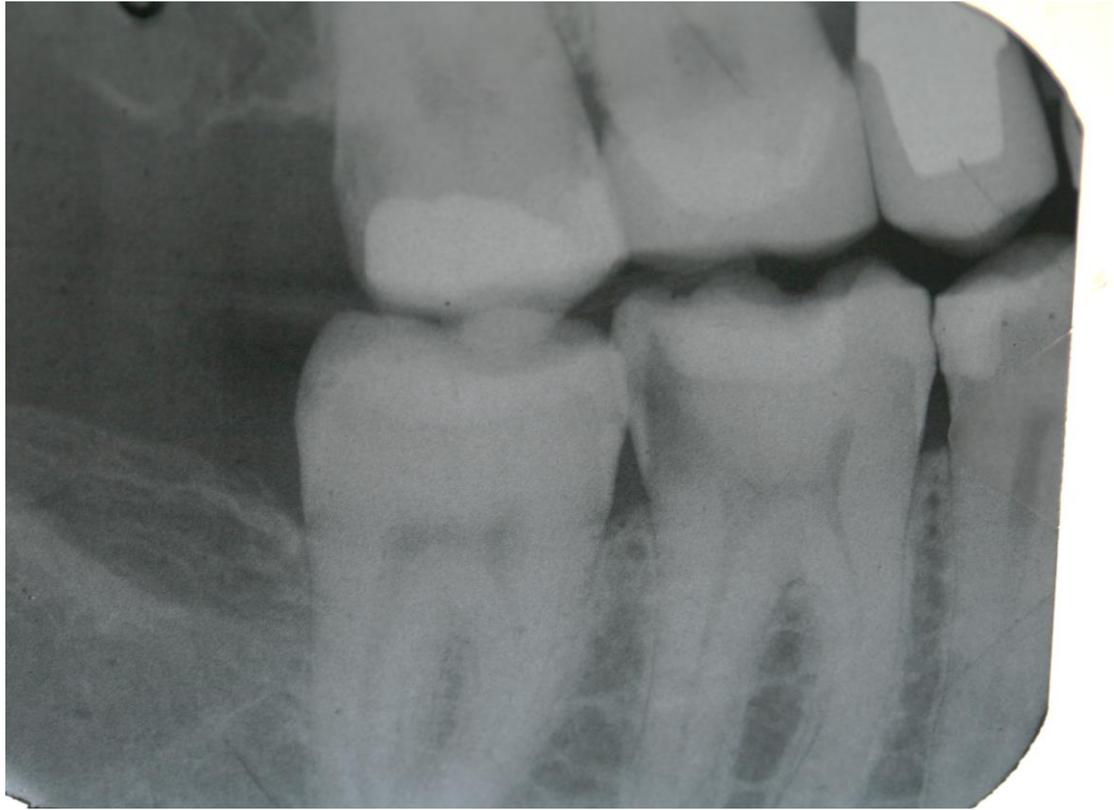














Prevention needs to be **INDIVIDUALIZED**



New Innovation in Dental Sealants

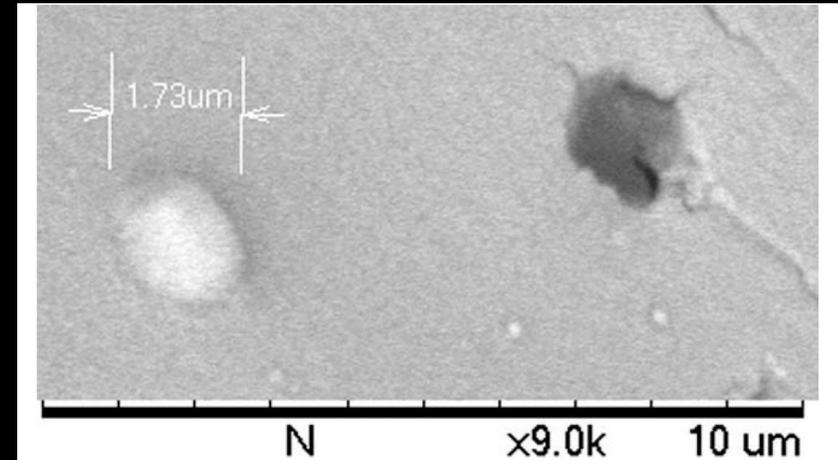
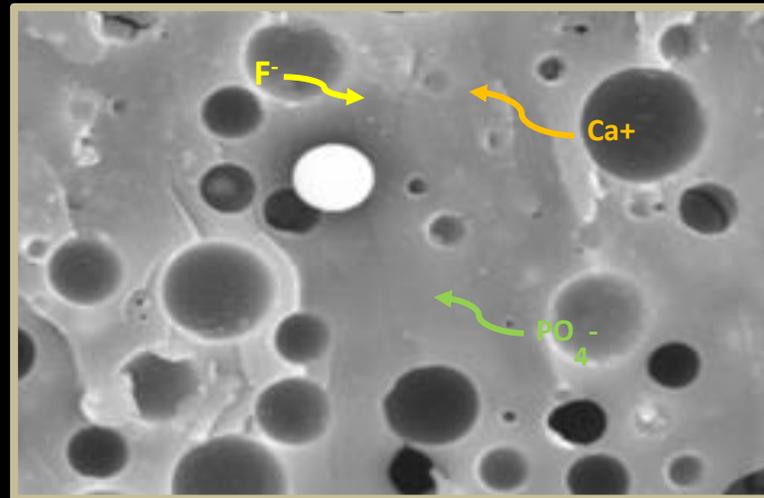
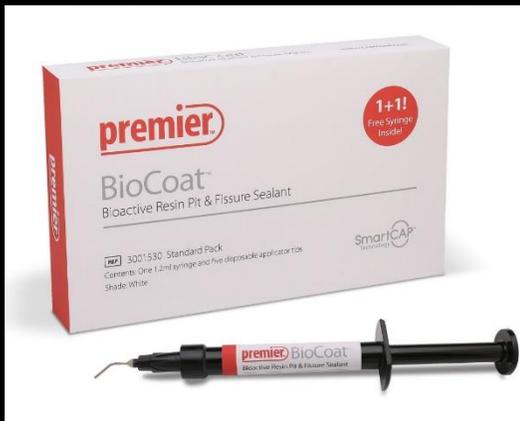
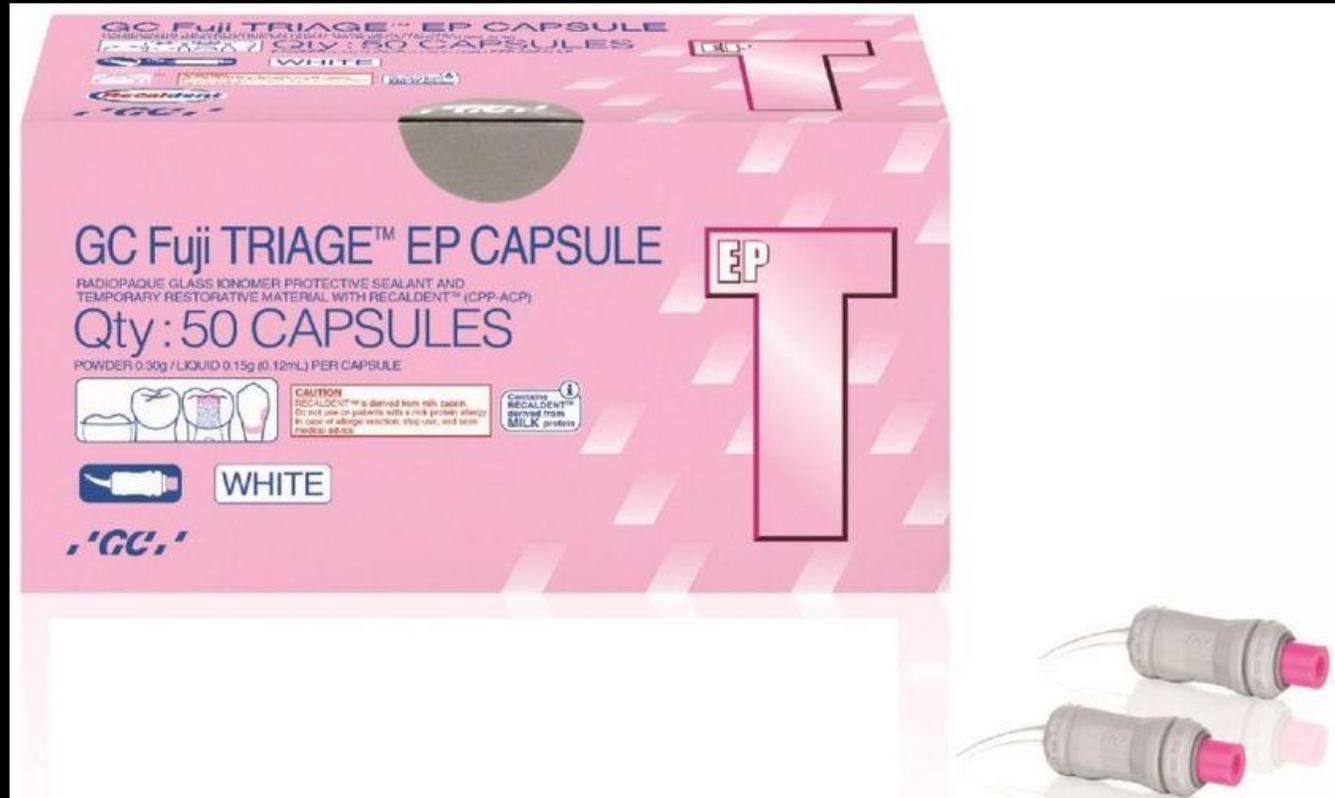


FIGURE 1. This SEM is a picture of a microcapsule and a void of a microcapsule left where the sample was fractured. The microcapsules did not agglomerate on mixing and were in the target size range of 1–2 μm .



I prefer “extra protection”



Alternatives



RATIONALE FOR MI Paste® ONE?



+



Clean

Treat



Clean & Treat in One Step!

MI Paste[®] ONE

Active Ingredients

- ✓ Sodium Fluoride - **Anti-caries**
- ✓ Potassium Nitrate (5%) - **Desensitizer**



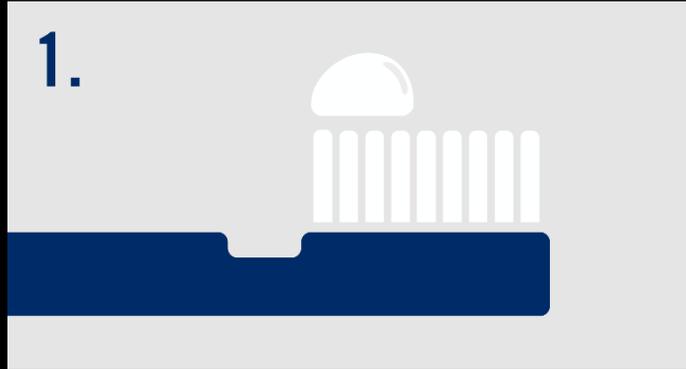
Other Ingredients

- ✓ RECALDENT (CPP-ACP) 10%
- ✓ Silica (low/mild abrasive)
- ✓ Mild foaming agent (no SLS – No Sodium Lauryl Sulfate)



HOW TO USE

HOW TO USE:



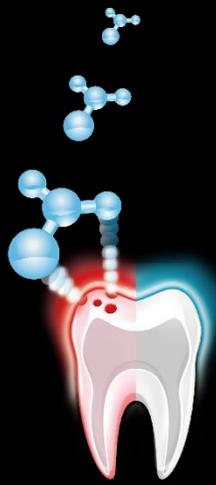
Apply a small, pea-size amount of MI Paste ONE to your toothbrush.



For best results, brush for 2 minutes and **do not rinse**; do not eat or drink for 30 mins after brushing. Use twice a day.

CAUTION

RECALDENT™ is derived from milk casein. Do not use on patients with a milk protein or hydroxybenzoates allergy. In case of allergic reaction; stop use, rinse mouth with water, and seek medical advice.



Cool and refreshing mint flavor!



SUMMARY



Alice
[REDACTED]
Wants to talk
Privately Before
Exam!





Dr. Tim Bizga

Like **Dr. Tim Bizga** on
Facebook

2thLectures.com

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www.personalityservice.com/portal/TJCW/store

