

# Cavitation Testimonial

Correlations between Thermal Imaging,  
2D X-ray and  
3D Cone Beam Tomography  
with Symptomatic Relief After Surgery

by

Tirza Derflinger

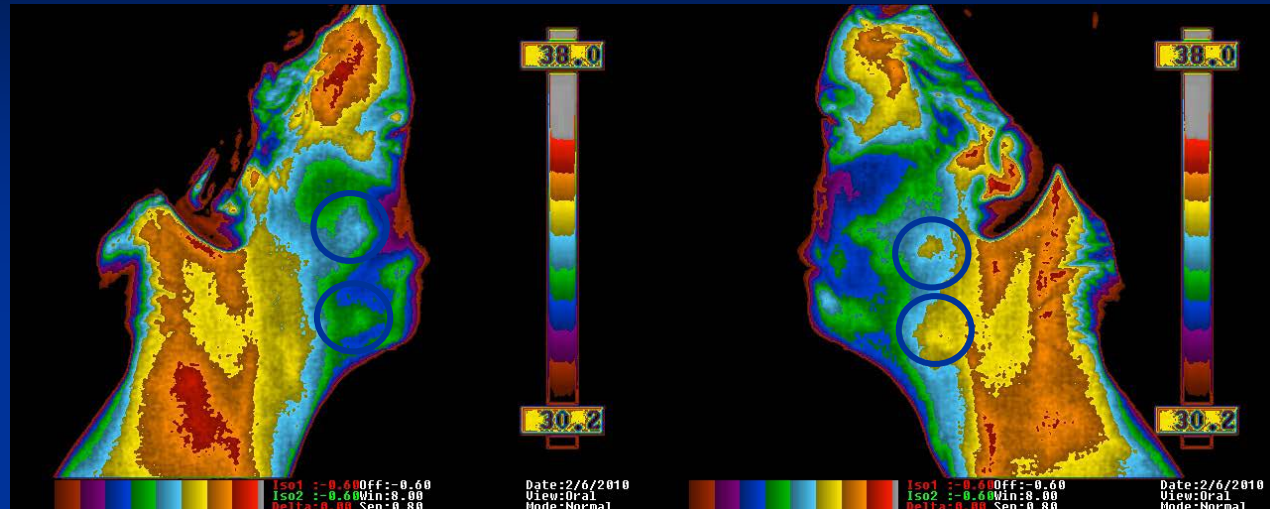
The Thermogram Center, Inc. - Founder

# Risk Assessing Thermal Imaging


## Top Row 2010:

Notice the mild findings in the back quadrants of the left image/right jaw and the moderate findings in the right image/left jaw.

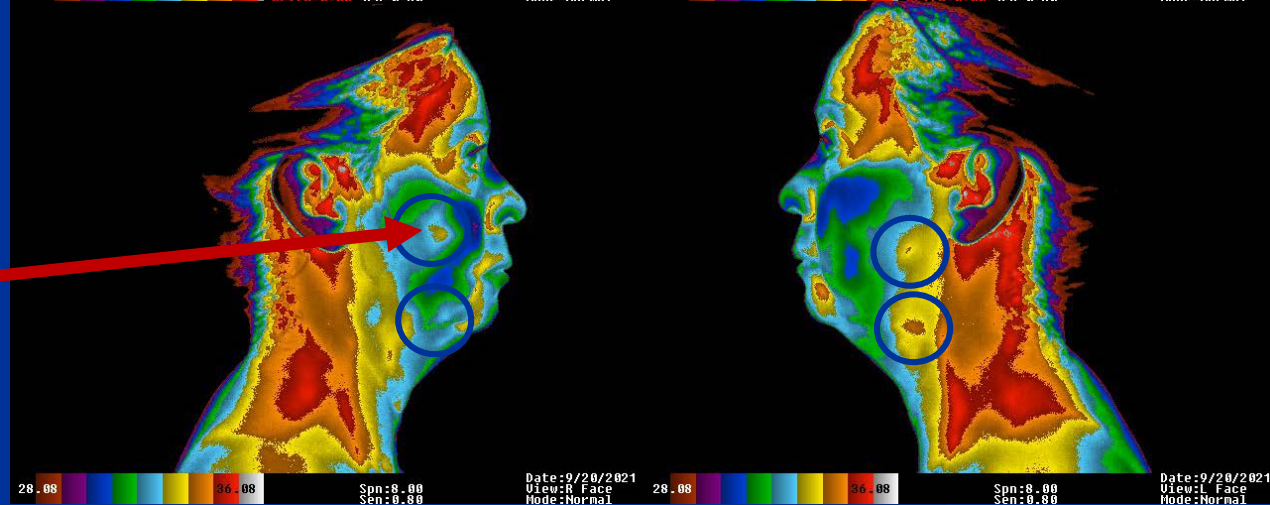
*Invisible to 2D x-ray, this inflammation was presumed to be bite pressure related.*



## Bottom Row 2021:

Notice: the same findings seem more pronounced; and the tear-drop shaped finding in the left image/right jaw. 

*2D x-ray and 3D Cone Beam Tomography (CBT) ensued.*



# 2D X-Ray

2021:

No signs of density issues at any of the 4 wisdom teeth extraction sites, but a slight sign at the lower right 2nd molar extraction site.

*As is the case for most individuals, cavitations are typically invisible to 2D x-ray.*

Upper right



Upper left



Lower left

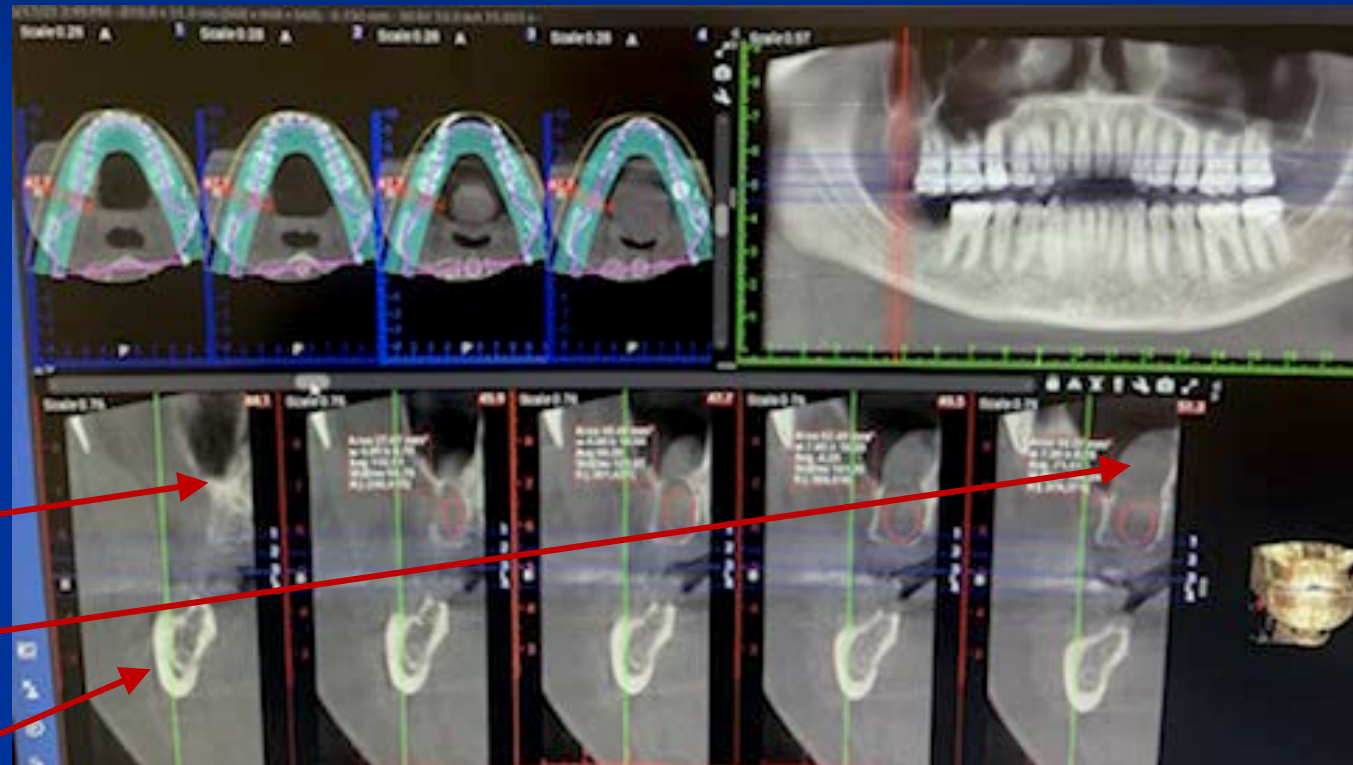


Lower right

# 3D Cone Beam Tomography (CBT)

2021:

Notice the vertical red lines in the upper right image. These are the vertical planes measuring densities in the upper back right jaw, as seen in the bottom images.



*Upper edge of upper jaw bone*

*Gangrene penetrating sinus*

*Lower jaw bone*

# 3D CBT Density Readings

2021:

Notice that while the average healthy density is 500, all four back quadrant densities are negative, indicating cavitation.

*3D CBT revealed 4 cavitation sites with gangrene penetrating the right sinus cavity.*

CBT – Density Readings	Avg	Low	High
Healthy Standard	500	450	550
Pt Upr Rt Quad	- 71.41	- 379	371
Pt Lwr Rt Quad	- 24.14	- 290	576
Pt Lwr Lt Quad	- 121.01	- 449	239
Pt Upr Lt Quad	- 15.08	- 259	457

# Correlation Between Thermal Findings and CBT Findings

- The most acute thermal finding correlates to the lowest CBT density: lower left jaw.

*... the cavitation in the back lower left jaw invoked the greatest inflammatory response from the body.*

- The teardrop thermal finding correlates to the CBT findings of gangrene penetrating the sinus floor: upper right jaw.

*...the body's inflammatory response to the gangrene, likely forming a perimeter of inflammation around the gangrene as it encapsulated it.*

# Post-Op Symptom Relief

- Since COVID, many clients report that their thermal findings correlate to cavitation and that surgery has improved their health significantly.
- After just two weeks and still in recovery, I am already experiencing symptom relief: no more random and rotating muscle and joint aches and swelling. I'm able to sleep without white noise and more deeply without restlessness, often for nine hours at a time.
- The nagging implications and symptoms brought on by Rocky Mountain Spotted Fever in 2018 and the COVID vaccination of 2020 have seemingly disappeared.
- I cannot yet speak about having more energy, as many clients speak, but I am still in recovery mode and already notice more stable energy. It is less frantic... less up and down.

# Post-Op Symptom Relief – Cont'd.

- Overall, I have a greater sense of calm and well-being with less anxiety and fight or flight episodes. My brain seems less scattered and more focused and clear.
- I am finding it easier to make healthier choices for myself. It's as though I am more balanced.
- More to follow... Surgery was on Oct. 29, 2021 and it is now Nov. 18, 2021.