

CASE STUDY

# InnerView Confirms Implant Health When Symptoms Suggest Otherwise

Real-time data validated implant stability in a patient who felt movement – with no clinical signs of failure

*\*The information in this case study refers to future capabilities, currently under development and clinical evaluation. Not yet FDA cleared.*



**HOWARD GOLAN, DDS**

# Welcome to the New Standard in Diagnostics

At Perimetrics, we believe that better diagnostics lead to better outcomes. From implants to natural teeth, the earlier you can detect subtle changes in stability, the more confidently you can treat—and the longer your work will last.

This case study collection was created to showcase real clinical examples where Quantitative Percussion Diagnostics (QPD) changed the course of treatment, revealed hidden risks, and helped clinicians take proactive steps before failure occurred.

Whether you're looking to improve patient care, reduce costly complications, or enhance your diagnostic confidence, InnerView delivers the insights traditional tools often miss—non-invasively and in just seconds.



Explore what's possible when you  
can see beneath the surface.



# Patient Case: Ruling Out Implant Instability with InnerView

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## Case Study Snapshot



### PATIENT:

74-year-old male reporting a loose sensation while jogging; suspected implant #15.



### VISIT TYPE:

Comprehensive exam and stability evaluation.



### HISTORY:

Patient described implant movement without pain or swelling. Tooth #15 had a screw-retained restoration; intraoral exam and radiographs showed no mobility or pathology.



### TECHNOLOGY USED:

InnerView Quantitative Percussion Diagnostics (under clinical evaluation), CBCT, intraoral exam, radiographs.



### FINDINGS:

InnerView scans across implants #12–15 showed consistent values with no instability; implant #19 within normal limits. Slightly elevated reading on #12 repeated consistently.



### OUTCOME:

Implants determined stable; patient referred to ENT where a sinus infection was diagnosed and treated. Symptoms resolved after antibiotics.

Note: NFE (Normalized Functional Energy) is a proprietary metric used by InnerView to quantify micromobility in teeth and implants – one of the earliest indicators of potential structural risk..

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## The Challenge

At age 74, a male patient reported that his implant felt loose while jogging, though he experienced no pain, swelling, or tenderness.

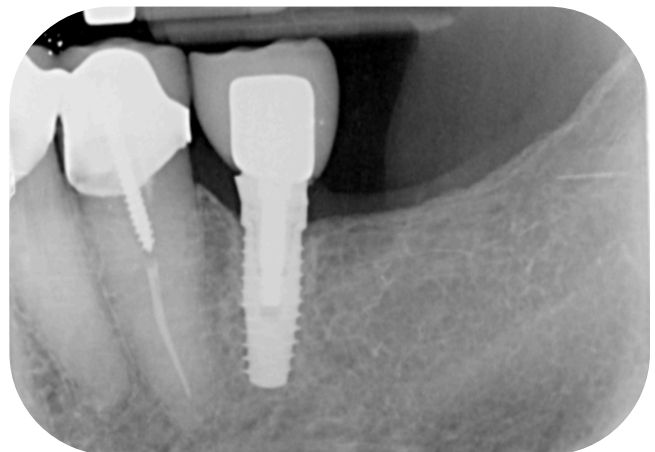
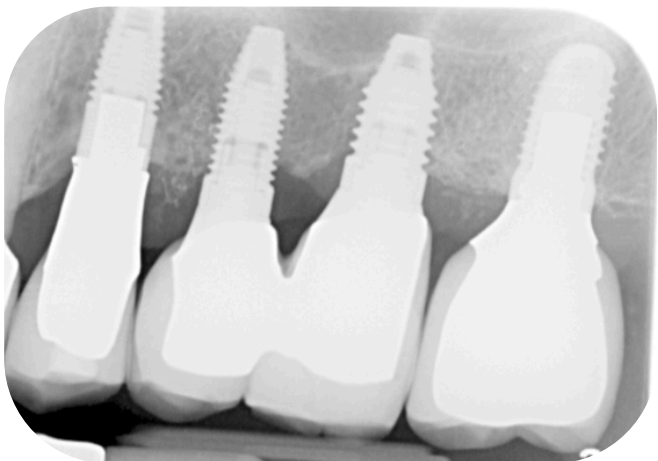
No evidence of movement on intraoral exam. X-rays were within normal limits. All screw-retained restorations were checked with hand-tightening; no movement observed.

## Traditional Diagnostics & Limitations

A full exam revealed no clinical signs of concern:

- Intraoral exam: Implants #12–15 and #19 appeared stable
- Palpation and pressure testing: No detectable mobility
- Radiographs: Within normal limits (WNL)
- Restoration checks: Screw-retained restorations showed no movement upon hand-tightening

While traditional methods showed no signs of implant complications, the patient's sensation persisted—prompting the use of InnerView for additional insight.



## Results

The InnerView examination revealed consistent mobility readings across implants #12–15. Implant #19 showed values within normal limits (WNL). While some values appeared slightly elevated, they were consistent across all implants in the posterior maxilla. Based on intraoral examination and the absence of clinical signs of movement, the clinician determined it was reasonable to conclude these implants were well osseointegrated.



Slightly elevated NFE reading on #12; other implants (#13–15, #19) show consistent values.

A follow-up InnerView scan recorded consistent mobility readings across implants #12–15. Based on these readings and the absence of clinical signs during examination, Dr. Golan determined that the implants were not likely the source of the patient’s reported sensation.



Follow-up InnerView scan showed that implants #12-15 were consistent.

The patient was referred to an ENT for further evaluation. A mild sinus infection was identified and treated. Following a short course of antibiotics, the patient reported that the sensation had resolved.

## Key Takeaways

Although traditional diagnostics showed no signs of implant issues, the patient continued to feel something was “off.”

InnerView provided objective data that supported the clinician’s decision to rule out implant instability—offering reassurance without additional invasive procedures.

With that clarity, Dr. Golan referred the patient to an ENT, who identified and treated a sinus infection. The patient later reported full symptom resolution.

InnerView supported the clinical workflow by helping guide the next steps, reduce uncertainty, and reinforce confidence in the stability of the existing restorations.



## ABOUT THE AUTHOR

### Howard Golan, DDS

Dr. Howard Golan has been practicing at Golan Family Dentistry since 1998, when he joined his father in their family-owned practice.

He earned his dental degree from the University of Michigan School of Dentistry and completed a general practice residency at North Shore University Hospital (NSUH) in New York. He went on to complete a two-year Implant Surgery and Advanced Prosthetic Fellowship at NSUH.

A Mastership-certified member of the World Clinical Laser Institute since 2004, Dr. Golan incorporates laser technology into his procedures whenever possible and lectures on laser-assisted dentistry across the U.S. and Canada.

He is the co-founder of the Center for Laser Education and a faculty member with the World Clinical Laser Institute. He also leads the Laser Assisted Dentistry program at NSUH, where he supervises clinical training for dental residents.

Dr. Golan is a graduate of the Alleman-Deliperi Center for Biomimetic Dentistry and is passionate about delivering tooth-conserving care. He also holds a law degree from Concord Law School and is a member of the California Bar.



# The Future of Dental Diagnostics

This case demonstrates how InnerView provided real-time clarity when traditional diagnostics showed no clear issue—helping the clinician rule out implant complications, avoid unnecessary intervention, and reinforce patient trust.

With InnerView, clinicians can:

- ✓ Detect early-stage instability before symptoms appear
- ✓ Make more informed, data-driven treatment decisions
- ✓ Monitor trends in tooth and implant stability over time

Want to learn more about how InnerView can transform your practice? [Book a 5 minute demo today!](#)



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See InnerView in action—scan to book a demo!!

