

CASE STUDY

From Reconstruction to Routine Care: InnerView's Role in Long-Term Dental Health

How InnerView Identified Early Structural Risks in a Long-Term Patient



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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.



Monitoring Long-Term Implant Stability After Full-Mouth Reconstruction

* The information in this case study pertains to future capabilities, currently under clinical evaluation - Not yet FDA cleared.

Patient Overview

A 68-year-old female patient with a full-mouth reconstruction completed in 1998 visited her dentist for a routine comprehensive examination.

After more than 25 years, she wanted to understand how her teeth and implants were holding up structurally, especially since 7 months earlier, the implants were showing increased damage scores and she had made recommended proactive changes.

As part of her routine assessment, InnerView was used alongside full-mouth X-rays(FMX) and intraoral photos to provide a quantitative structural evaluation of her natural teeth and implants.



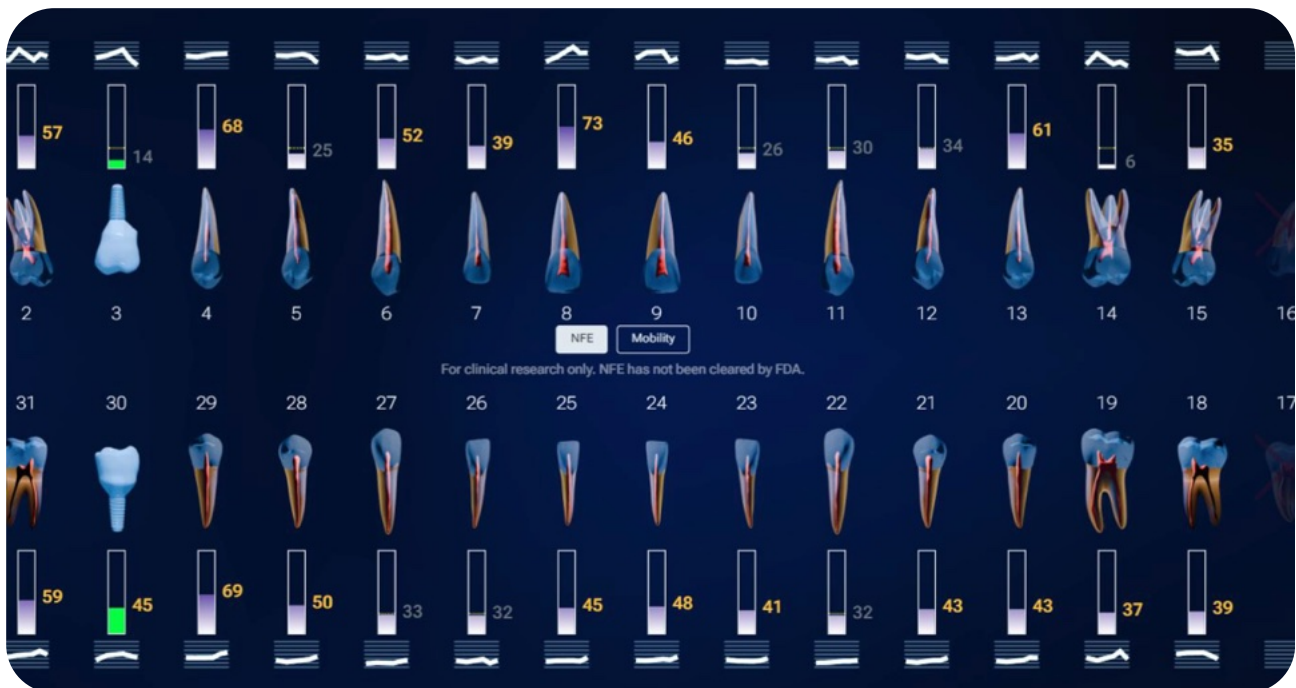
Comprehensive intraoral images document the condition of the patient's full-mouth reconstruction, highlighting well-maintained restorations after 25 years.

Early Detection: Identifying a Hidden Concern

Even though the patient showed no symptoms, and her implants at sites #3 and #30 appeared stable both clinically and radiographically, however in the past, during hygiene monitoring testing, InnerView had revealed elevating NFE scores.

- Implant #3: NFE score had gradually increased over multiple visits, signaling a potential mechanical issue.
- Implant #30: Displayed a similar pattern, suggesting the need for intervention before structural damage occurred.

The patient was informed of this negative trend and started wearing her protective occlusal splint every night and instituted positive lifestyle changes.



InnerView scan reveals subtle but increasing NFE scores at Implants #3 and #30, indicating a need for proactive intervention.

Recommended Intervention Based on InnerView Data

Although the patient had no symptoms and believed everything was functioning well, InnerView revealed early signs of implant stress.

Based on this data, the clinician recommended:

- ✓ Reinforcement of occlusal protection using a custom nightguard to reduce excessive force on the implants.
- ✓ Continued trendline monitoring to confirm the stability of the intervention.

The patient complied with treatment, wearing her splint consistently and following a targeted hygiene protocol to reduce mechanical stress.

By acting early—before damage was visible or symptomatic—the team was able to intervene non-invasively and avoid more extensive re-treatment.

Circled in purple, are the subsequent readings showing the improvement over the next 7 months of monitoring.



InnerView trendline data for Tooth #3 initially revealed an upward shift in NFE values over time, indicating potential mechanical concerns. Following occlusal protection intervention, NFE scores significantly decreased, confirming improved implant stability.



InnerView trendline data for Tooth #30 showed a similar progression in NFE values, prompting proactive intervention. Post-treatment scans confirmed a reduction in NFE values, validating the effectiveness of occlusal protection in maintaining implant health.

Follow-Up: Confirming Success with InnerView Data

At follow-up visits, InnerView scans showed a significant reduction in NFE scores, confirming the intervention's effectiveness in stabilizing implant health and preventing further damage. By detecting early structural concerns, InnerView guided a proactive treatment approach, and post-treatment scans validated its success.

- Identify areas of potential concern before clinical symptoms appear
- Guides data-driven treatment decisions, ensuring appropriate action is taken.
- Validates the success of interventions, providing measurable proof of improvement.

By integrating InnerView into routine hygiene and examination appointments, clinicians can offer patients a predictive, proactive approach to implant and restorative care—backed by quantifiable data.

ABOUT THE AUTHOR

Cherilyn Sheets, DDS

Dr. Cherilyn Sheets is an internationally recognized educator, clinician, author, and lecturer. She is Co-Executive Director of the Newport Coast Oral Facial Institute, Chief Clinical Officer for Perimetrics, former Clinical Professor of Restorative Dentistry at the USC School of Dentistry, and a Past President of the American Academy of Esthetic Dentistry and the American Association of Women Dentists.

A Fellow of multiple prestigious academies, Dr. Sheets has authored over 100 articles, co-authored textbook chapters, and received honors including the Gordon Christensen Award for Excellence in Lecturing and USC's Alumnus of the Year Award.

She co-leads research on dental implants and cracked teeth at UCI's School of Engineering and is the Founder of The Children's Dental Center and the National Children's Oral Health Foundation.



**“InnerView will advance how we can diagnose mobility in teeth,
helping clinicians improve patient outcomes.”**

- Cherilyn Sheets, DDS & Co-Founder, InnerView

The Future of Dental Diagnostics

This case demonstrates how InnerView provided insights not possible with traditional methods - thereby enabling earlier detection, better decision-making, and improved outcomes.

InnerView enables clinicians to:

- ✓ Identify areas of potential concern before clinical symptoms appear
- ✓ Make more informed, data-driven treatment decisions
- ✓ Monitor long-term implant stability

Want to learn more about how InnerView can transform your practice? [Book a 10 minute demo today!](#)



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See InnerView in action—scan to book a demo!

