

SMART SYSTEM TO IDENTIFY MOBILITY IN TEETH AND/OR IMPLANTS – INNERVIEW LC BY PERIMETRICS, INC.

Everybody knows that cracks occur less frequently in non-restored teeth, and much more frequently in teeth that have undergone a dental procedure.

In non-restored teeth, there are no internal micromovements, while there are in damaged teeth, being caused by failed restorations or by various coronal cracks (oblique, vertical or horizontal) and root cracks, impossible to diagnose visually or noninvasively.

Perimetrics, Inc. based on machine learning, deep learning and finite element analysis realizes an electromagnetically actuated system of non-invasive quantitative percussion diagnosis (QPD) to identify mobility in teeth and/or implants.

The InnerView LC system is indicated to accurately measure the damping characteristics of the periodontium and its associated fixed structures (teeth and/or implants).

The system offers the results in real time with an easy-to-read report on the screen, namely:

- Describes the state of tooth or implant restoration,
- Provides the percentage calculation of the diagnosis and the calculation basis of the probable cause of the damage,
- Immediate recommended action is indicated,
- Empowers the clinician to provide an adequate treatment plan,
- Eliminates the learning curve, as the results are calculated in real time, with a diagnostic report that is easy to read by the patient.



InnerView LC system
<https://www.perimetrics.ai/>

The InnerView LC system is made up of:

- Wireless handpiece provided with a single-use tip with Smart Chip technology,
- Low-profile base station, designed to sit on the operator's table,
- Software,
- A USB cable providing a connection from the base station to a computer.

The working methodology tests the cushioning capacity and, consequently, the mobility of the teeth and dental implants by lightly percussing their buccal surface. The percussion data generated by the handpiece is wirelessly transferred to the base station and forwarded to the computer via the USB connection.

This system provides a number of benefits for both patient and clinician:

Patient benefits:

- Confidence in the diagnosis
- Early detection
- Non-invasive, painless and without radiation
- Fast, 2 seconds per tooth
- Inexpensive
- Patient Portal Application

Clinician benefits:

- Empowerment with a suitable treatment plan
- The practice of "wellness"
- Significant new income
- Increased credibility
- Digital diagnosis (Dental insurance code - D0600)

Against this backdrop, the InnerView LC system can be recommended due to its diagnostic capabilities and easy use by the dental professional for each individual patient, becoming a new standard of care.

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