



DeVA-1™ Micro-Endoscope System to Treat Gum Disease



See without Surgery

DeVA-1™ micro-endoscope system is used for Visual Scaling and Root Planing (Visual-SRPSM) to definitively treat periodontal disease without surgery. Visual-SRPSM is a minimally invasive endoscopic alternative to less effective, traditional SRP and to invasive, painful gingival flap surgery to remove calculus from teeth under the gum line.

No Recovery Time from Surgery

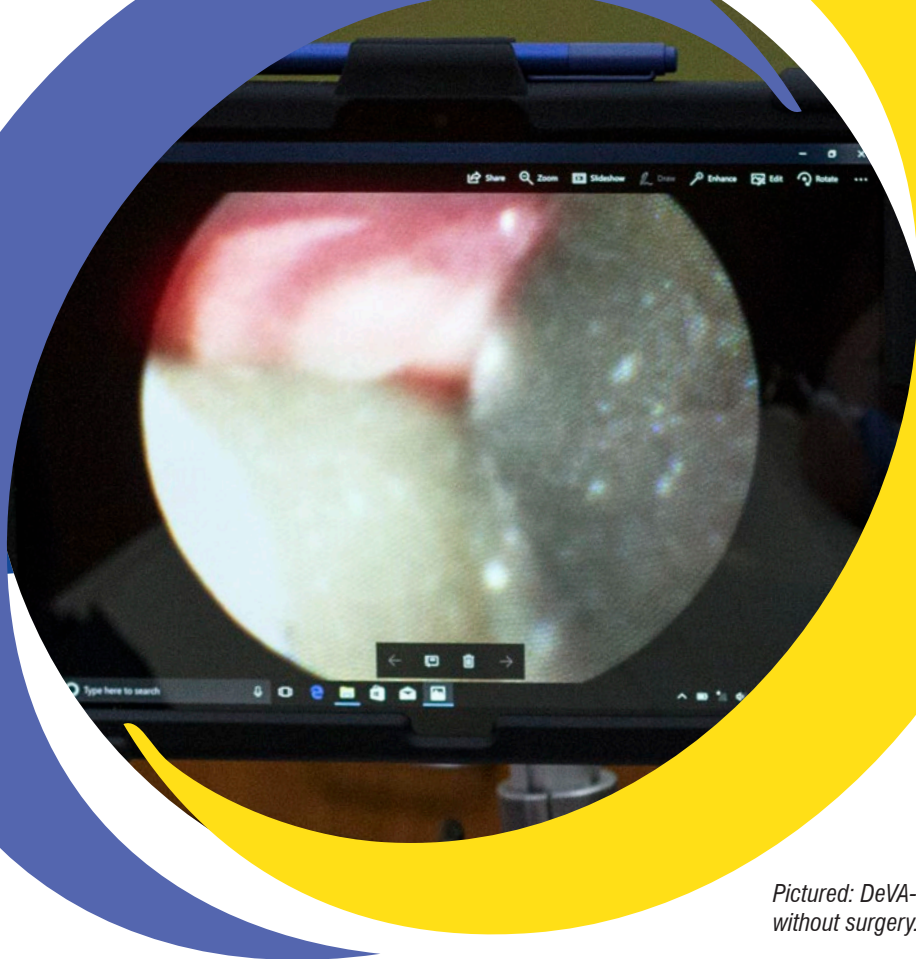
- Active duty personnel can return to service immediately
- Veterans can return to daily activities immediately
- No scheduling delay to accommodate recovery time

No Opioids for Post-Surgery Pain

- No painful dental surgery
- No post-surgery severe pain management, typically opioids
- No risks or complications associated with surgical procedures

Increased Access for Earlier Treatment

- Dental hygienists can perform the procedure; dentists or periodontists are not required
- Patients do not need to wait for an appointment with a periodontist
- Telemedicine capability for remote access and teleconferencing with specialists, if needed
- Increases availability of the periodontist for other procedures



Pictured: DeVA-1™ magnifies up to 100x for definitive periodontal care without surgery. From clockwise left: tooth, gum, and dental tool.

More Precise

Traditional SRP is a blind procedure with no view of the area being treated. As much 40 percent of the calculus is left behind since the clinician cannot treat what he or she cannot see. By using a micro-endoscope and live imaging with up to 100x magnification, DeVA-1™ provides a clear view for definitive treatment.

Less Surgery

With effective treatment patients can avoid gingival flap surgery including post-surgery recovery and severe pain management.

Improve Health

Periodontal disease is directly connected to systemic health. Improving oral health reduces risk for heart disease, diabetes and other conditions.



Smart Tablet & Display

- Use live video with up to 100x magnification for precise treatment
- Zoom, pan and annotate using touchscreen
- Record video and capture still images
- Measure pre- and post-procedure to document treatment
- Teleconference when a specialist is needed for remote patients
- Tablet mounted on a 3-joint arm for customizing position
- FDA and HIPAA compliant eNcounter™ software pre-installed



Handheld Dental Xplorer™

- Holds the micro-endoscope for Visual-SRP™ procedure
- Ergonomically designed for comfort and non-slip grip
- Locking mechanism secures sheath and micro-endoscope
- Set of 6 Dental Xplorer™ tip configurations designed for the way you work



Micro-Endoscope with ViRSS™ (Visual Safety & Rinse Sheath) & Micro-Rinse™

- 1mm micro-endoscope with high-intensity LED, safety sheath and irrigation system
- One Time Use ViRSS™ prevents contamination
- Micro-Rinse™ system boosts water flow through the sheath to quickly flush the treatment area
- Foot pedal controls water flow



Master Control Unit

- Battery-operated system with rechargeable lithium-ion batteries
- Connects to existing in-house water system
- Save time with automatic exposure, gain and white balancing
- Adjust height to fit


Service & Support

- Visual SRP™ training and certification program for dental hygienists
- Technical support with certified dental hygienists
- On-site set up service available
- ViRSS™ sheath refill programs

Stand

- Wheeled stand option
- Portable stand option with folding stand in TSA-compliant rollboard carry on
- Small footprint and lightweight (<30 lbs.)

DeVA-1™ Specifications

DIMENSIONS	
Master Control Unit	275mm wide x 171mm high x 102mm deep
Computer/Display Monitor	305mm wide x 230mm high x 19mm deep
Five Wheel Stand	610mm diameter wheel base and 1200mm high center mast
Weight	7kg combined for Master Control Unit, display and 3-joint arm
COMPUTER/DISPLAY MONITOR	
Power Supply	DC smart charger
Accessories	3 joint articulating arm for display positioning
Operating System	Windows 10
Software	eNcounter® by GlobalMed, HIPAA compliant
Connectivity	Wi-Fi and Bluetooth
Ports	Mini HDMI available; USB 3.0 dedicated to MCU
MICRO-ENDOSCOPE	
Camera	CMOS, color
Light	Adjustable LED with maximum 200,000 LUX
Cable	Fiberoptic
MASTER CONTROL UNIT	
Enclosure	Polycarbonate
Power Supply	11.24 VDC Li-ion 2,950 mAh, 33.2 Wh
Water Input/Output	1/4" quick connect input and Luer lock output with manual volume control output
STAND	
Materials	Aluminum and steel
Mobility	Wheeled version: 5 wheeled stand Folding version: Folding stand and TSA-compliant hardside rollaboard for carry on
SAFETY & REGULATORY COMPLIANCE	
	



Welcome to the future of oral care. We engineer state-of-the-art technology designed around the way you work.



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