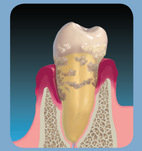
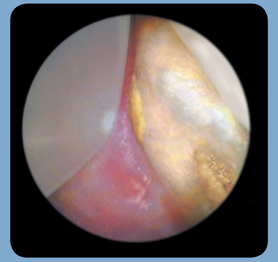
Our passion is to lead the way in providing endoscopy treatment, education and research. We have embraced this technology since 2001 and have enjoyed the technological advancements that have allowed clinicians across specialties to perform endoscopic procedures that are minimally invasive, offering patients better results and faster recovery. We aim to serve providers and patients the benefits of minimally invasive, micro-visual periodontal treatment and healing through a better vision.





Magnified view of the calcified deposits

"The dental endoscope and Perioscopy represent a significant technological breakthrough in progressive dentistry. It's opened up a whole new world in diagnosis and therapy" — *Roger Stambaugh DDS, MS MSed*

"Perioscopy allows my patients to become healthy without surgery. They love that it is not invasive and I love being able to offer them a non-surgical option that works!" — *David Scharf DMD*

"It's amazing technology. Perioscopy has helped me keep my natural teeth. Everbody wants to avoid surgery and this is so easy! I would definitely recommend it to anyone who has a problem with their gums." — *Laura, Perioscopy patient*

Kit Contents	Specifications
1 – Perioscopy Unit	
5 wheel cart	22" diameter foot print
Perioscopy Endoscope Fiber	Professional grade, reusable, 1mm dia x 1 m
LEDs	19 individual LEDs, 125 micron fiber optic light guides; 120 lumens, with 30,000hrs estimated life
Image guide	10,000 pixel image guide, , 4-6 mm working depth, 3mm FOV, 24-48x magnification
Monitor	17" medical grade, 1280x1024 DC 24V from AC 100-200V, inputs S-Video, Digital, VGA, CBVS
LED Camera/LED Controller	12V Controller has window gain control and white balance settings, CCD/LED camera optimized for endoscopy
Water delivery device	60 psi, 2 liter capacity
10 – Sterile Window Sheath Single use	Single use, 1 m, EO Sterilized
1 – Perioscopy Explorer Set	R, RR, L, LL, Sterilizable instrument set

Perioscopy®
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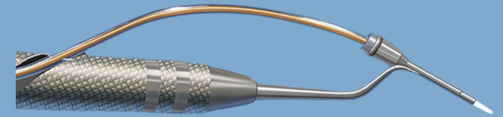
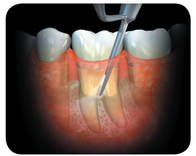


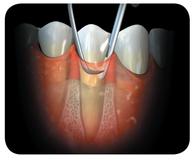
Healing through a better VISION

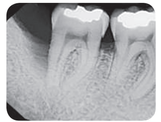
Endoscopic treatment for periodontal disease

The main purpose of periodontal surgery is to gain access to the diseased root to see the deposits that need to be removed. For the first time, clinicians using the dental endoscope can see magnified details of tooth anatomy and deposits sub-gingivally, to diagnose and treat periodontal disease in a minimally invasive way.

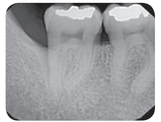
The Perioscopy System combines traditional endoscopy with the unique requirements to effectively treat periodontal disease by using a miniature endoscope that is illuminated with 19 individual LEDs, which display in enhanced magnification 24-48x. Perioscopy's high definition camera and display allows the clinician to perform sub-gingival ultrasonic, endoscopic debridement that is more effective and can prevent the need for surgery. The pressurized water delivery system keeps the field clean for optimal visibility, and can also be used with disinfecting irrigants.







Patient presenting with severe periodontal disease, with pockets measuring up to 12 mm



Patient > 2.5 years post treatment with Perioscopy. Pocket depths do not exceed 5mm.
Treatment and photo credit: John Kwan, DDS/Deborah Murchison, RDH

How it works

The miniature scope is placed inside anatomically designed probes that are gently held beneath the surface, while the magnified image is displayed, live, on the monitor. Periodontal debridement is performed in each quadrant using the displayed image as a guide. This approach is optimal for both clinician and patient, with less pain, more effective results and less chair time than surgery.

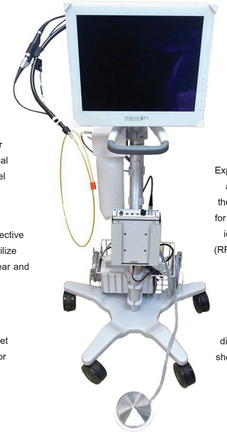
Perioscopy® System

Real-time video imaging with magnification up to 48x through the high-definition, medical-grade monitor. The monitor displays the endoscopy and should govern movements.

The CCD/LED camera connects to the fiber optic endoscope which contains 19 individual LED light guide fibers and 10,000 megapixel image guide and 3mm field of view

The endoscope is placed inside a protective sheath that eliminates the need to sterilize the fiber. It locks in place to ensure clear and focused images.

5 wheel, easy-roll cart provides a sturdy platform and easy transport, with a rear basket for storage, a 10 foot cord and wheel locks for secure use.



The CCD/LED camera attaches to the controller which has a focus knob for the camera and provides white balance, gain control and illumination settings.

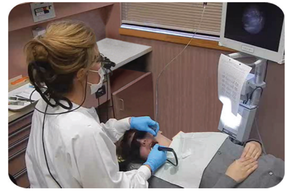
Explorers are color coded red for right and yellow for left. They are bent in the direction of use and are designed for optimal visualization. Explorers are identifiable as Right (R), Right Right (RR), Left (L) and Left Left (LL) by the color and number of rings.

The 2 liter bottle is connected directly to the Perioscopy endoscope sheath, and contains it's own pedal to control the water pressure.

Providing optimal patient care

This state of the art treatment increases patient acceptance, enhances patient referrals and referrals from general dentists due the specialized technique that is more comfortable, effective and provides long-term improvement.

As the minimally-invasive, non-surgical alternative, Perioscopy is indicated for patients needing initial therapy, or as a follow up to their initial treatment. It can also be used for maintenance of chronically inflamed pockets or pockets increasing in depth, as well as to aid in the detection of subgingival caries, root fractures, resorption or perforations. Recovery for patients is usually only 24-48 hours with minimal discomfort that can be treated with over the counter pain medication.



Staff Support

Perioscopy brings opportunity to your office with career advancement for hygienists, driving important clinical care for patients and further utilizing highly skilled staff members. Endoscopy using the Perioscopy equipment is best conducted wearing loupes in an ergonomic chair. The use of the equipment requires training and improves with practice. The procedure takes 90-180 minutes depending on patient condition and the expertise of the operator. Perioscopy purchases include onsite clinical training and ongoing clinical and technical support.

Insurance codes 4341/4342 Scaling and Root Planing in a Quadrant;
4999 Non-Specified periodontal procedure (patient out of pocket)