



**SUSAN
MCMAHON, DMD**

A graduate of the University of Pittsburgh, School of Dental Medicine, Dr. McMahon enjoys one of the largest cosmetic dental practices in Western Pennsylvania. She is accredited by the American Academy of Cosmetic Dentistry, a fellow in the International Academy of Dental-Facial Esthetics, and Catapult Education, Director of New Product Evaluation. An author and lecturer, Dr. McMahon has devoted her professional career to the pursuit of advanced technologies in cosmetic dentistry and smile design.



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CamX Triton HD

INTERCHANGEABLE HEAD SYSTEM ALLOWS USER TO EASILY CHANGE BETWEEN CARIES DIAGNOSIS AND INTRAORAL IMAGING



Find out why Susan McMahon, DMD, believes that CamX Triton HD:

- Is the most comprehensive technology available for early caries detection
- Simplifies workflow without having to navigate through dental software

Technology to find caries at early stages allows us as practitioners to treat more conservatively. We can remineralize, prep minimally with fissurotomy burs, use resin infiltration techniques, etc., so we can save our patients from more invasive restorative procedures and conserve their natural dentition. This is a big departure from traditional dentistry and traditional dental practices.

The CamX Triton HD from Air Techniques is the most comprehensive technology available for early caries detection, and having just one piece of technology for all classifications of caries is very, very convenient. With CamX Triton HD, workflow is simple—just exchange the heads and keep on going through your examination. Instead of having to switch between multiple devices and navigating through your dental software, the CamX Triton HD works seamlessly between the 3 heads:

- The Spectra head detects smooth surface and pit-and-fissure lesions.
- The Proxi head detects the interproximal lesions.
- The Camera head takes high-definition images with autofocus.

The camera heads are small enough for pediatric use and yet diagnostic for all types of patients. The Proxi head images show healthy enamel as clear (looks like ice) and decalcified enamel as cloudy or opaque. As with most new technology, it takes a few uses to read the Proxi head images reliably.

Patients can easily understand the color-coded Spectra images. I like to show the patient the Spectra image and the intraoral photo of the same tooth. It is readily apparent how the tooth



may appear intact to the eye but the technology allows us to diagnose decalcification and very incipient decay. Patients are very receptive to treatment when seeing the empirical data. I am conservatively treating many more incipient lesions since incorporating CamX Triton HD into our hygiene visit. The Proxi head lets me evaluate interproximally without radiating the patient—I like this and so do the patients. I can also see incipient interproximal lesions much earlier than they would ever be visible on an x-ray, which opens up more conservative treatment options.

The Patient Perspective

Patients love this technology and are very receptive to early treatment options, even if these treatments are out of pocket, and they especially like having fewer x-rays taken. Patients also see this as a differentiation from traditional dental practice and are likely to talk about the technology to others, resulting in practice growth. We have had patients who are so excited about the early detection and having a Proxi head exam instead of x-rays, that they are posting on social media and reviewing.