STA System keeps patients comfortable — even during the injection itself

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SAN FRANCISCO, CA, USA: When it comes to getting from here to there, who wants to ride around in a horse and buggy? And when it comes to delivery of anesthetic before a dental procedure, who wants to use 160-year-old technology? Milestone Scientific, with its Single Tooth Anesthesia (STA) System, is changing the way local anesthesia is being delivered today.

You can set aside that scary syringe — which frightens patients and causes undue stress — and instead pick up a small handpiece and needle that you hold in your hand like a pen. Because the injection is administered below the pain threshold, your patient will be more comfortable.

According to Dr Eugene R. Casagrande, director of international and professional relations at Milestone Scientific, who spoke with Dental Tribune during the recent CDA meeting, the Dynamic Pressure Sensing (DPS) technology used by the STA System guides the dentist to the correct spot to give a comfortable and successful intra-ligamentary injection.

The system provides continuous visual and audio feedback, so the dentist knows when the needle has left the correct site or if the needle is blocked.

The STA System is also quite versatile. Casagrande says that despite the device's name, STA System is not just for treating one tooth at a time. Any injection delivered with the traditional dental syringe can be administered more comfortably and more easily with the STA.

Two new, state-of-the-art palatal injections — the AMSA and the P-ASA — can be administered using the STA System in a comfortable manner to anesthetize multiple teeth and related tissue. Also, an interligamentary injection that is different from the traditional PDL can be administered easily, comfortably and successfully.

There are also benefits for the patient, who is able to have a more comfortable experience, and to the practice itself.

“I call it a win-win-win,” says Casagrande. “It is a win for the patient because injections are more comfortable, and there is no collateral numbness to the lips, face or tongue. And it is a win for the practice because the STA System affords an efficiency factor that can result in increased productivity.”

As Casagrande explains, a patient can be treated in multiple quadrants without having to return for multiple visits. Even better, he says, it is not uncommon for patients to refer others to a particular dental practice because they are pleased with the way they are treated with the STA System.

“Patients appreciate the fact that dentists who use the STA are going out of their way to make the most difficult and important part of the dental experience as comfortable as possible,” Casagrande says.