Dental Practice Expands Care

Facial aesthetics and rejuvenation, TMJ pain and snoring treatment added

BY ROY CUMMINGS
Volusia Health Care News

It's not unusual nowadays to find a dental practice that specializes in more than routine dental care and smile makeovers. Though these remain their primary focus, many dentists are now offering treatments aimed at enhancing their patients' overall appearance.

Jayraj Patel, DMD, FAGD, FAAID, DABOI, of DeLand Implant Dentistry is one such dentist.



Dr. Patel's practice now offers a menu of treatment options for facial aesthetics and rejuvenation, TMJ pain and snoring treatment using lasers. Dr Patel is a member of CARE Esthetics, a 100 percent natural anti-aging protocol that enhances appearances through the use of *platelet-rich fibrin*, or PRF, which is obtained directly from the patient.

"When we talk about cosmetic dentistry, fixing the teeth is obviously a big part of that," Dr. Patel says. "But lots of patients want to look younger, more beautiful, and as dentists, we are trained in head and neck anatomy, so it's only natural for us to offer services for that.

"For example, dentists have been providing *BOTOX®* injections for some time now as part of their treatment for TMJ pain and facial aesthetics. The same is true of PRF.

"We use PRF all the time in surgeries and as part of the *dental implant* process, and what we are doing now is implementing that not only in the facial aesthetic arena but also as a treatment for natural hair growth and TMJ pain management."

Aesthetics, Rejuvenation

Considered the ultimate in blood concentrates for aesthetics, platelet-rich fibrin is obtained from the patient's blood by centrifuging blood drawn from the patient to separate from the rest of the blood. What makes PRF so special is its rich concentration of natural growth factors. Because of that, PRF can be reintroduced into the body in liquid form via injection or microneedling or in gel form via cannula, where it sparks collagen growth and a natural rejuvenation process.

These treatments using PRF can eliminate forehead wrinkles, crows' feet and eyebrow furrows; they can rejuvenate and fill undereye hollows and smoker's lines, restore cheek volume, soften nasolabial folds and marionette lines and volumize and plump the lips.

PRF treatments can also be used to improve and define the chin and jawlines, tighten skin, reduce wrinkles, fine lines, dark spots and sunspots, eliminate stretch marks and stimulate hair growth.



The latter treatment is suitable for anyone with thinning hair or male pattern baldness, and it involves injections of PRF into the scalp, where it can improve circulation, stimulate dormant hair follicles, promote new growth and increase hair density.



TMJ Pain Treatment

Another new treatment offered at DeLand Implant Dentistry is *High-Intensity Laser Therapy*, or *HILT*. This treatment option utilizes deep-penetrating laser beams to reduce pain and inflammation in the temporomandibular joint and its surrounding muscles.

For this treatment, Dr. Patel's staff uses the patented DEKA Dental Laser because it delivers photochemical (increases cellular energy), photothermal (promotes healing and remodeling) and photomechanical (promotes tissue regeneration) effects. It is the only tool that can promote tissue regeneration due to its superior wavelength and patented pulse technology.

"This is a tool that allows us to do more than just treat the symptoms of a problem such as TMD," Dr. Patel says. "For people with TMJ pain, we can always give them BOTOX injections, but BOTOX does not cure anything.

"With HILT therapy, we not only get rid of the symptoms, we also activate the body's healing and regenerative powers in the cartilage and the jaw joint itself, so the actual cause of the problem is also being addressed. With HILT, we're not just covering up symptoms."

Sleep Apnea, Snoring

DEKA, the same company that makes the laser that Dr. Patel is using to treat TMD, makes another laser, a fractional laser that creates tiny, controlled micro-wounds, and Dr. Patel is using that laser to treat sleep apnea and snoring.

Known as *QuietNite therapy*, this minimally invasive, nonsurgical laser treatment helps treat these issues by tightening the throat tissue via collagen growth stimulation, which helps to open the narrow airways.



"This is a therapy that can also help people using a *CPAP* machine because the constant blowing of high-pressure air into the mouth and throat by CPAP machines causes inflammation and swelling in the throat tissue." Dr. Patel says. "That causes the airway to become even narrower, and because of that, you have to keep increasing the pressure to get the proper amount of air to pass through. But this laser therapy can help keep the airways open, so people don't have to increase the pressure."

The laser used to treat snoring issues can also be utilized for facial aesthetics, according to Dr. Patel, who encourages patients to visit his practice for a complimentary consultation for these services now being offered. ■

Meet the DOCTOR

Jayraj Patel, DMD, FAGD, FAAID, DABOI/ID



earned his dental degree from the University of Florida College of Dentistry. His goal is to deliver comprehensive and compassionate care to patients in a caring, comfortable and professional environment.
He takes time to understand each patient's unique needs and tailors a customized treatment plan to achieve patient's desired result and aims to build long-term relationships with patients based on trust, respect and friendship. He utilizes the latest technologies and treatment modalities to achieve the best possible treatment outcomes for his patients in a stress-free environment. He is constantly pursuing advanced training through continuing education courses and has extensive training in implant, sedation, cosmetic, facial aesthetics, TMD/TMJ pain management and laser dentistry. He is certified to perform IV sedation in the dental office. He is a diplomate of the American Board of Oral Implantology/ Implant Dentistry, a fellow of the American Academy of Implant Dentistry and Academy of General Dentistry.

To Learn MORE

Call Today

Dr. Jayraj Patel is known for his exceptional, caring attitude toward his patients and work. He is committed to delivering the most advanced, personalized dental care while offering patients a uniquely satisfying experience. Along with the staff of DeLand Implant Dentistry, he welcomes new patients and any questions concerning the services they offer. For an appointment, call or visit the office.

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