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Now, A Computerised System That Tracks The Tooth-Heart Link

Now, you have a computerized system which can track the link between healthy teeth and healthy heart. A computerized gum probing system is available to track periodontal disease, which could lead to heart disease. The computerized periodontal probing system improves over the older manual method by using a sterilized plastic handpiece with a titanium tip. This probe applies a constant force of fifteen grams per measurement, which results in greater accuracy in diagnosing periodontitis. The electronic handpiece is connected to a computer that instantly records and charts the results, according to floridaprobe.com.

Dr Debra Gray King of Atlanta says there is an increasing evidence of a link between periodontal, or gum, disease and coronary heart disease, according the website. “If you have a healthy mouth you are not only helping maintain your natural teeth, but you are less likely to get a stroke or coronary heart disease,” Dr King has been quoted as saying.

Hi-tech Smile

A computerized image of your teeth, generated at the beginning of treatment, determines the course of action for you to get the teeth you want, according to dentalfind.com. You can remove ‘Invisalign’ when you eat, drink, brush and floss your teeth—another factor contributing to popularity of cosmetic procedures among orthodontic patients, it is understood. Among the cosmetic procedures are braces, that have many uses—correcting crowded or overlapping teeth, or closing gaps. Like braces, Invisalign closes gaps by applying pressure on teeth until they shift closer together. The advantage of Invisalign is its unnoticeable appearance. The system uses a series of clear, removable aligning devices. Each aligner is worn for two weeks, then replaced with the next one in the series.

Customized Design

Clear communication between dentist and laboratory technician has always been a critical part of any successful restoration, according to aurmgroup.com. Now, through Aurum Ceramic’s

computerized design system, vastly improved communication can be easily accomplished. Unlike catalogue systems that merely list completed designs, the Aurum Ceramic System maintains a library of all the various components (teeth, clasps, rests, connectors and crowns) needed to create a custom prosthesis. The system also allows the operator to specify tooth condition, crown and clasp type as well as various courses of action (tooth extraction; placement of crowns and bridges; insertion of clasps, rests and connectors) and materials.

The system applies one of the three common clinical methodologies (stress-broken, semi-rigid or mixed technique) in automatically designing each case. The patient's current situation is displayed on the computer screen and then accessory items, such as crowns or bridges are inserted as necessary. The computer creates a recommended design taking every possible configuration of the missing teeth into account, according to aurmgroup.com.

Tooth-saving Implants

A dental implant is an artificial tooth root that a periodontist places into your jaw to hold a replacement tooth or bridge, explains perio.org. Dental implants are an ideal option for people in good general oral health who have lost a tooth or teeth due to periodontal disease, an injury, or some other reason. "While high-tech in nature, dental implants are actually more tooth-saving than traditional bridgework, since implants do not rely on neighbouring teeth for support. Dental implants are so natural-looking and feeling, you may forget you ever lost a tooth."

Titanium Fixture

A dental implant is a biocompatible screw-like titanium fixture that is "implanted" into the jawbone. When the area is healed and the implant is anchored to the bone, an implant post and permanent crown can be attached, according to lifetimedental.com. Permanent tooth implants have been placed successfully for over 25 years.

Painless Crown

New technology is revolutionizing a common and often unpleasant dental procedure, according to reports. For instance, the next dental crown you get may benefit from a sophisticated new approach.

Consider this. San Francisco-based dentist James Gregory is going to create his dental crown in a new way. Using a new high-tech camera he begins by taking a photo of the broken tooth of the patient. The image is frozen on the computer screen, the camera comes out of his mouth, and then on the computer screen, he isolates the tooth. With a few taps on the keyboard and rotations of the computer ball he begins shaping the design of the crown. The computer program then provides a preliminary crown. It starts with a virtual tooth and then with a few clicks, the shape can be perfected.

X-ray Blues

Having dental X-rays done during pregnancy may increase a woman's risk of having a low-birth weight baby. That's the finding of a study, published in the Journal of the American Medical Association, that could change existing recommendations about the safety of medical and dental X-rays in pregnancy, reports Intelihealth.com. The study looked at about 4,500 women who gave birth while participating in the same dental program between 1993 and 2000. There were 1,117 low birth weight babies (weighing less than 5 pounds, 8 ounces) in the group. Women who'd had dental X-rays during their pregnancy had more than twice the risk of having a low birth weight baby, and more than three times the risk of having a full-term low birth weight baby compared to women who did not have X-rays.