

## The Future of Dental Technology & Advanced Oral Care

Countless new technological innovations are brought in this recent years, many of which have powerful implications on health care, including dental treatments. Some of the most notable new types of dental care technology are discussed below.

Technology has dramatically changed virtually all aspects of our everyday lives, including how we communicate, how we travel, and perhaps most importantly, how we take care of ourselves. Advancements in healthcare technology have enabled treatments to be developed that would have previously been thought of as nothing but science fiction. The field of dentistry is one such example of how technology has had a major impact on patient care.

Over the last few years, dental care technology has evolved by leaps and bounds, and the benefits to patients are significant. Treatments are less invasive than ever, patients are kept more comfortable during all types of procedures, and even at-home oral hygiene has become far more effective thanks to new products and modern techniques.

It's important that patients are aware of how the field of dentistry is changing to better serve them and their families, so we've some examples of recent dental technology innovations that are really having a positive impact on the patient experience, as well as on the results of various dental treatments that are available.

### 3D & Digital Dental X-Rays

While x-rays themselves are a well-established and crucial part of dentistry, modern x-ray technology is vastly different from what was used in the past. For starters, x-rays are much faster to conduct as machines are far more efficient, and data is transmitted digitally directly to your dentist's computer for instant results. In addition, modern x-ray machines are able to provide enough detailed data to render a complete 3D representation of the mouth and teeth, allowing the dentist to see the unseen and make an accurate diagnosis with greater efficiency.



What does this mean for patients? Well, it means less time obtaining the information needed to determine the best course of action for your dental care, and earlier detection of any potential dental health concerns or complications that might be developing in areas that cannot be easily seen with a physical examination. 3D x-rays and digital imaging of the teeth, jaw, and mouth are helping dentists to make more precise recommendations from more accurate information, resulting in better outcomes for their patients, and that's good news for everyone.

### Smart Toothbrushes

We now have smart fridges, smart air conditioners, and smart light bulbs, so it was only a matter of time before smart toothbrushes became available. While brushing your teeth may seem like a very basic habit, you'd be amazed at just how common incorrect tooth brushing habits really are. Many people make simple mistakes when brushing their teeth without ever knowing about it, and these little errors can really add up over time to reduce the overall effectiveness of your oral care habits. Brushing too hard, too aggressively, too lightly, too quickly, too slowly, or for not long enough are all extremely common, but smart toothbrush technology aims to change this situation for the better.



Similar in form to many other types of electric toothbrushes, smart tooth brushes feature additional sensors to continually monitor your brushing action and provide real-time feedback on how well you are doing. For example, if you're brushing too hard, it will prompt you with a notification. Brush times are monitored, and you'll automatically be informed when you've hit the recommended duration. Some models even feature programmable or personalized brushing profiles, which can be helpful for many people who have special requirements, such as patients with braces.

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