

DENTAL IMPLANTS 101:

What You Need To Know

texasdental.group



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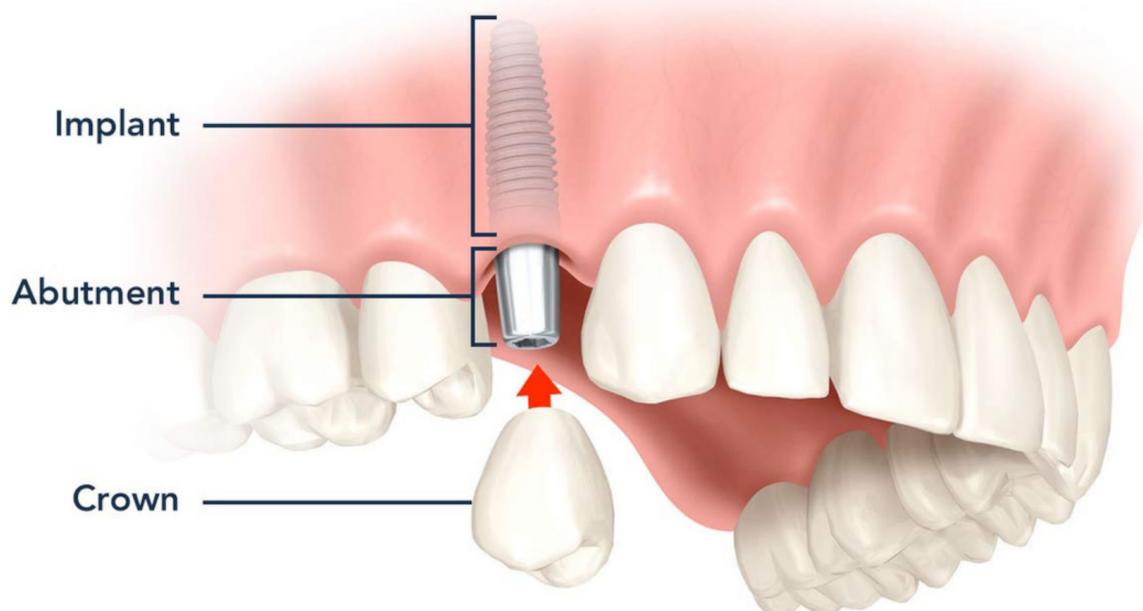
Chapter 1

What Are Dental Implants?



Chapter 1

What are Dental Implants



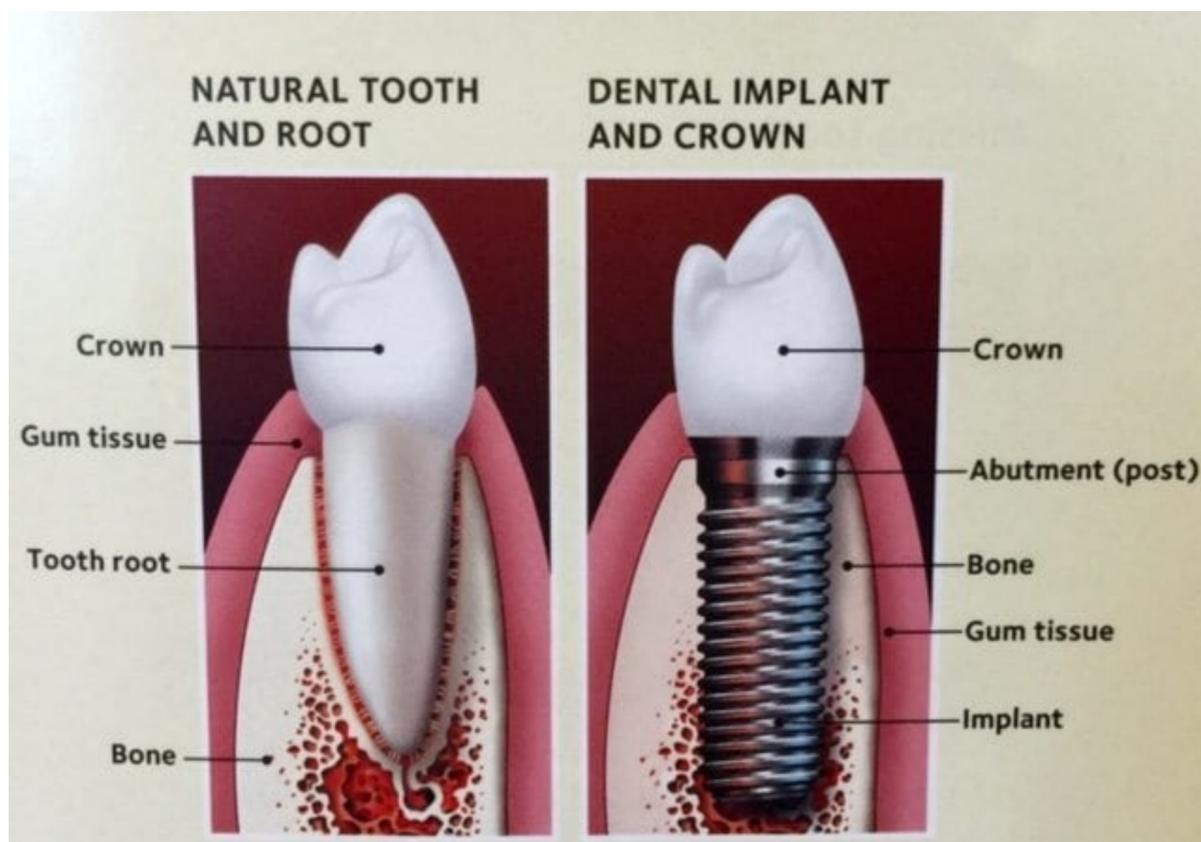
Dental implant surgery is a procedure that replaces tooth roots with titanium posts and replaces damaged or missing teeth with artificial teeth that look and function much like real ones.

Dental implant surgery can offer a welcome fixed alternative to dentures or bridgework that don't fit well. It can offer an option when a lack of natural teeth roots don't allow building denture or bridgework.

Compared to dentures, bridges and crowns, dental implants are a popular and effective long-term solution. Because they fit, feel and function like natural teeth, dental implants are quickly becoming a new standard in tooth replacement. Having a dental implant integrated to the jaw is the closest thing to a natural tooth because it stands on its own without damaging the nearby teeth and has great stability. The process of integration between the dental implant and jaw is called "osseointegration."

Chapter 1 (cont.)

What are Dental Implants



Most dental implants are made of titanium, which allows them to integrate with bone without being recognized as a foreign object in our body. Over time, technology and science have progressed to greatly improve the outcomes of dental implant placement. Today, the success rate for dental implants is close to 98%.

Dental implants are the closest you can get to healthy, natural teeth. They allow you to live the way you want to – confidently eating, smiling, laughing, talking, kissing and enjoying all of your everyday activities without worrying about your teeth.

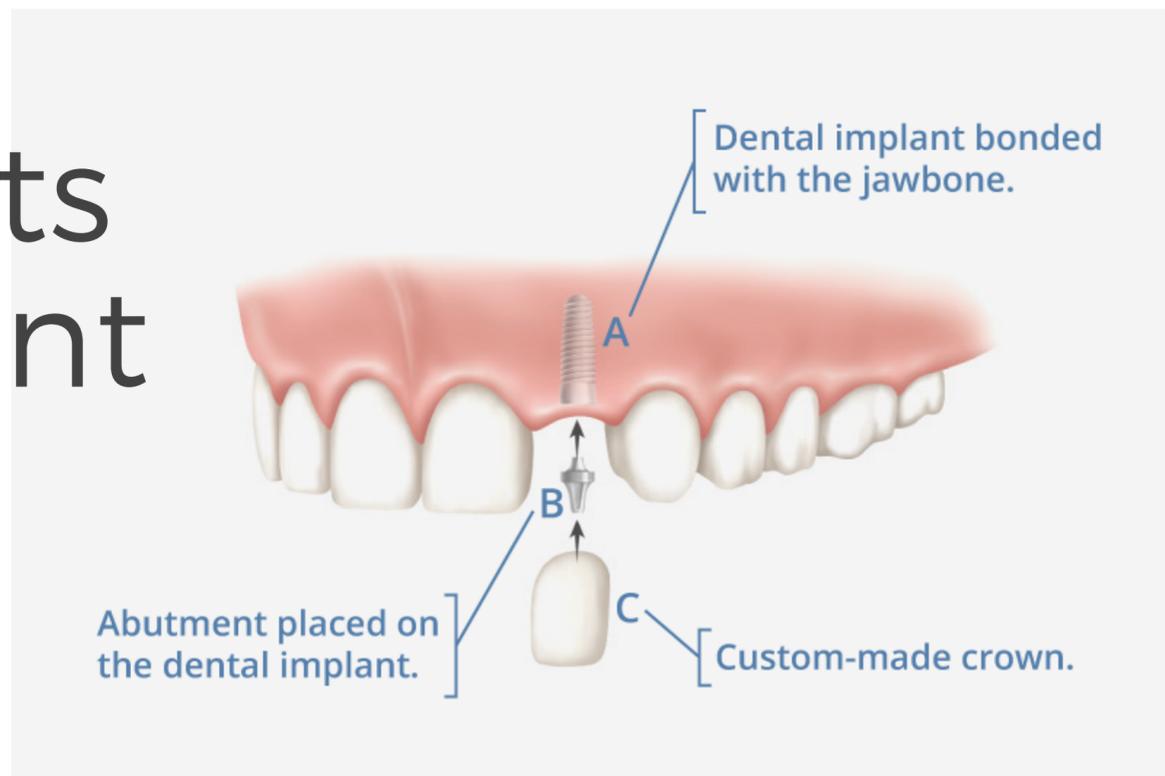
Chapter 2

Components of an Implant



Chapter 2

Components of an Implant



Think of dental implants as artificial tooth roots, similar in shape to screws.

Dental implants typically have three parts:

- 1) The implant:** A screw that serves as a root for your new teeth. This is what permanently integrates to your jaw.
- 2) The abutment:** A permanent connector that supports and holds a tooth or dentures.
- 3) The crown (or prosthetic tooth):** This is the part of the tooth that you can see. It's usually made of zirconium or porcelain for durability and good looks.

Modern dental implants have been used successfully for over 30 years. They are the strongest devices available to support replacement teeth – and even better, they allow these new teeth to feel, look and function naturally.

You can use dental implants to replace a single tooth, multiple teeth or a full upper and/or lower set of teeth. If you need to restore a full arch, you may be a perfect candidate for a full mouth treatment. Surgeons will place four or more implants and then attach a full arch of teeth, giving the procedure its name (All on Four).

Chapter 3

Types of Dental Implant Restorations



Chapter 3

Types of Dental Implant Restorations



In general, different types of dental implant restorations can be summarized as follows:

1. **Single-unit implant crown** – replace 1 missing tooth
2. **Implant bridge** – replace several missing teeth in the same area of mouth
3. **Implant Over-denture** – replace multiple missing teeth (implant Over-denture offers far better retention and support than the conventional denture, and can be removed by patients)

4. **Implant hybrid prosthesis** – replace multiple missing teeth (implant hybrid prosthesis offers better chewing ability than implant Over-dentures, and the hybrid prosthesis cannot be removed by patients)



Implant Bridge



Implant Hybrid Prosthesis (upper jaw)



Implant Denture (lower jaw)



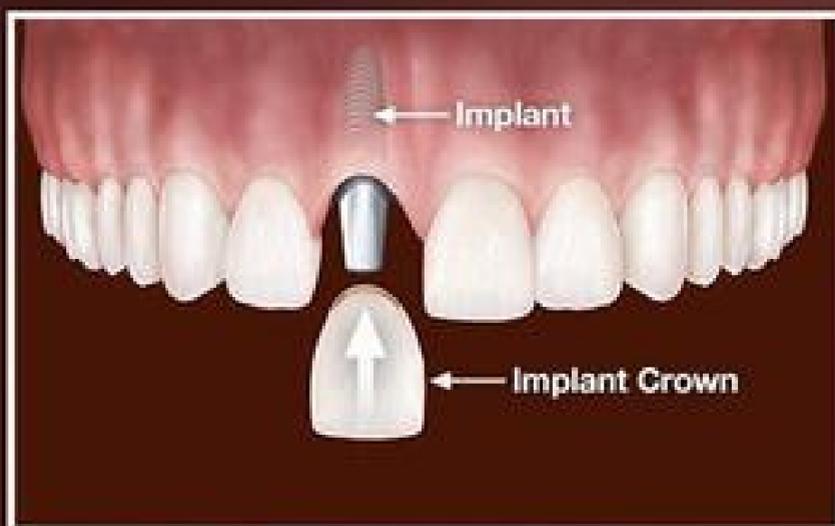
Implant Hybrid Prosthesis (lower jaw)

Chapter 3 (cont.)

The most widely accepted and successful implant today is the **Osseointegrated implant**, based on the discovery by Swedish Professor Per-Ingvar Branemark. Titanium can be successfully integrated into bone when osteoblasts grow on and into the rough surface of the implanted titanium. This forms a structural and functional connection between the living bone and the implant. A variation on the implant procedure is the implant-supported bridge, or implant-supported denture.

Dental Implants Can Be Used To:

Replace One Tooth



Replace Multiple Teeth



Replace All Teeth



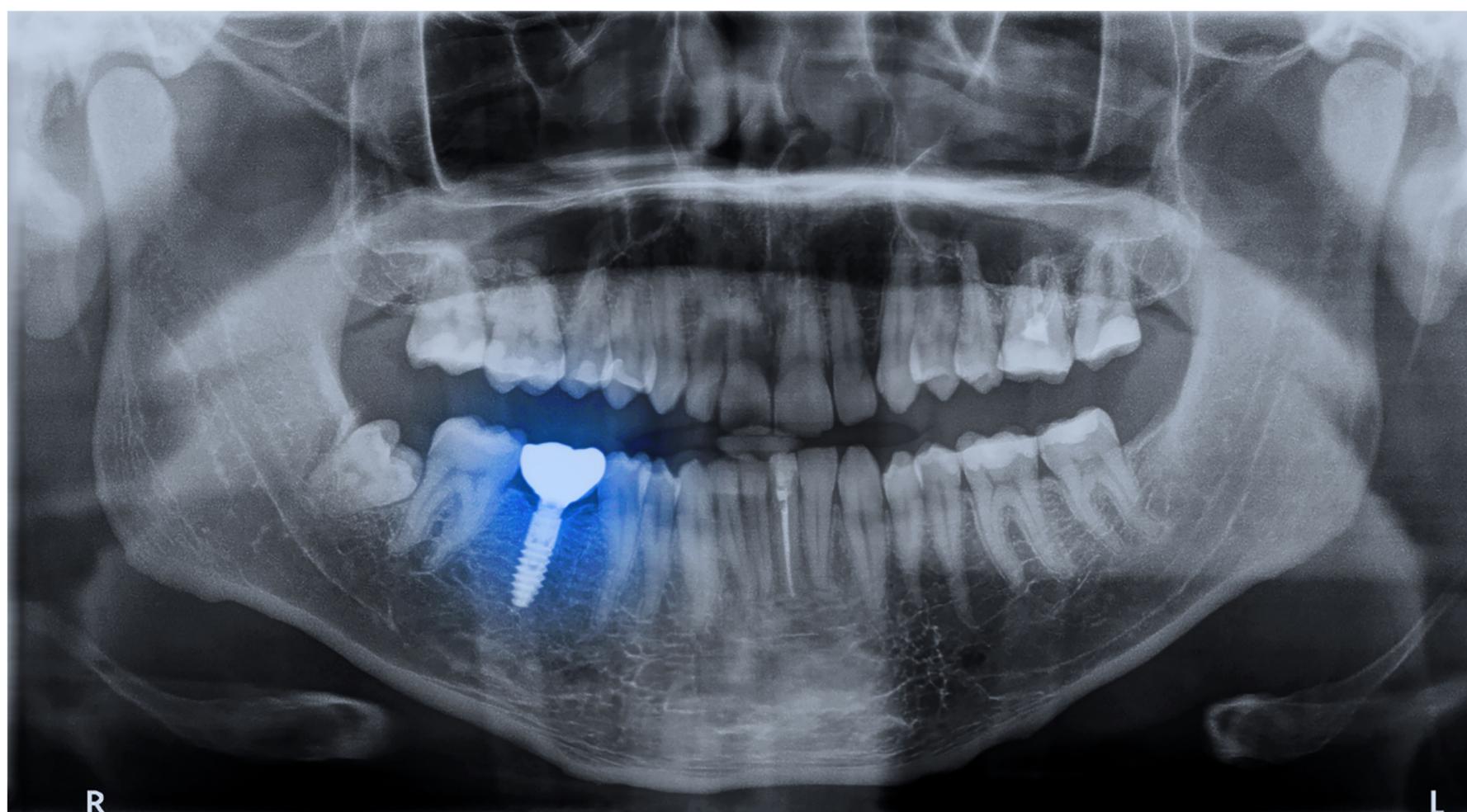
Support Removable Dentures



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Chapter 4

What happens before, during, and after dental implant surgery?



Chapter 4

What happens before, during, and after dental implant surgery?

During the consult and planning stage, the dental surgeon will visually examine the site in the mouth where a dental implant is being considered as well as look at dental imaging studies (X-rays, panoramic films, and/or CT scans). At this time, the quality and quantity of jawbone is assessed to determine if more bone is needed at the site.

Once it has been established that a dental implant can be placed in the desired location, the patient will return for surgical procedures for the dental implant(s). During all surgical procedure appointments, the patient is usually given local anesthetic to numb the surgical area as well as any other sedatives necessary for comfort and anxiety (at patient request).



Chapter 4 (cont.)

Cutting edge technology and our decades of experience allow most patients to get their implants and teeth all in one appointment. For most patients, in just a few hours, any existing teeth are removed, implants placed, fixed and temporary teeth are placed all in the same visit. Imagine the transformation and joy for those patients who have suffered with missing, painful or ugly teeth for many years who look in a mirror for the first time and see their perfect smile!

All dental implants require a month or so of healing to be ready for the permanent zirconium or titanium teeth to be fabricated. The temporaries provide us with a road map for making the permanent teeth. By comparing what we like and don't like about the temporaries, we fine-tune the permanent teeth to the patient's highest expectations.

To upgrade your dental implant choices, **Texas Dental Group** offers the **DIONavi** procedure. It's a solution personalized for you and your mouth's one-of-a-kind shape and function. Texas Dental Group and DIONavi have created a minimally invasive, non surgical technique without incisions in most cases. It is All digital, using the digital intelligence and precision of imaging and data to plan and perform your entire procedure. Texas Dental Group offers rapid and comfortable recovery because your gums, bones, and blood vessels are protected. Texas Dental Group is at the forefront of implant innovation. We were the first to introduce **UV activation** which speeds the natural healing process and time by as much as 25%. Incredibly, it takes as little as 2 hours from the time you arrive for you to have your teeth.

Chapter 5

How much do Dental Implants Cost?



Chapter 5

How much do Dental Implants Cost?

Does insurance pay for dental implants?

The cost of a single dental implant can vary depending on the region and who is performing the procedure. A conservative cost estimate for a single dental implant is \$2,300-\$4,500. This cost includes the surgery for placement of an implant, all the components, and the implant crown. With All On 4, overall treatment cost range \$10,000 to 25,000 again depending on the region and who's performing the procedure.

Dental insurance typically does not pay for dental implant placement. Some dental insurances may help pay for the implant crown portion. Unfortunately, in many cases, dental insurance considers dental implants to be an elective procedure even though dental implants have become the standard of care for replacement of missing teeth.

Since dental implant treatments are customized for your specific needs, the costs vary accordingly. An evaluation by an experienced dental implant expert is the best way to ensure that you are getting an accurate cost estimate for quality work.

Texas Dental Group offers third party financing options that have helped our patients the smile of their dreams.



LendingClub



Chapter 6

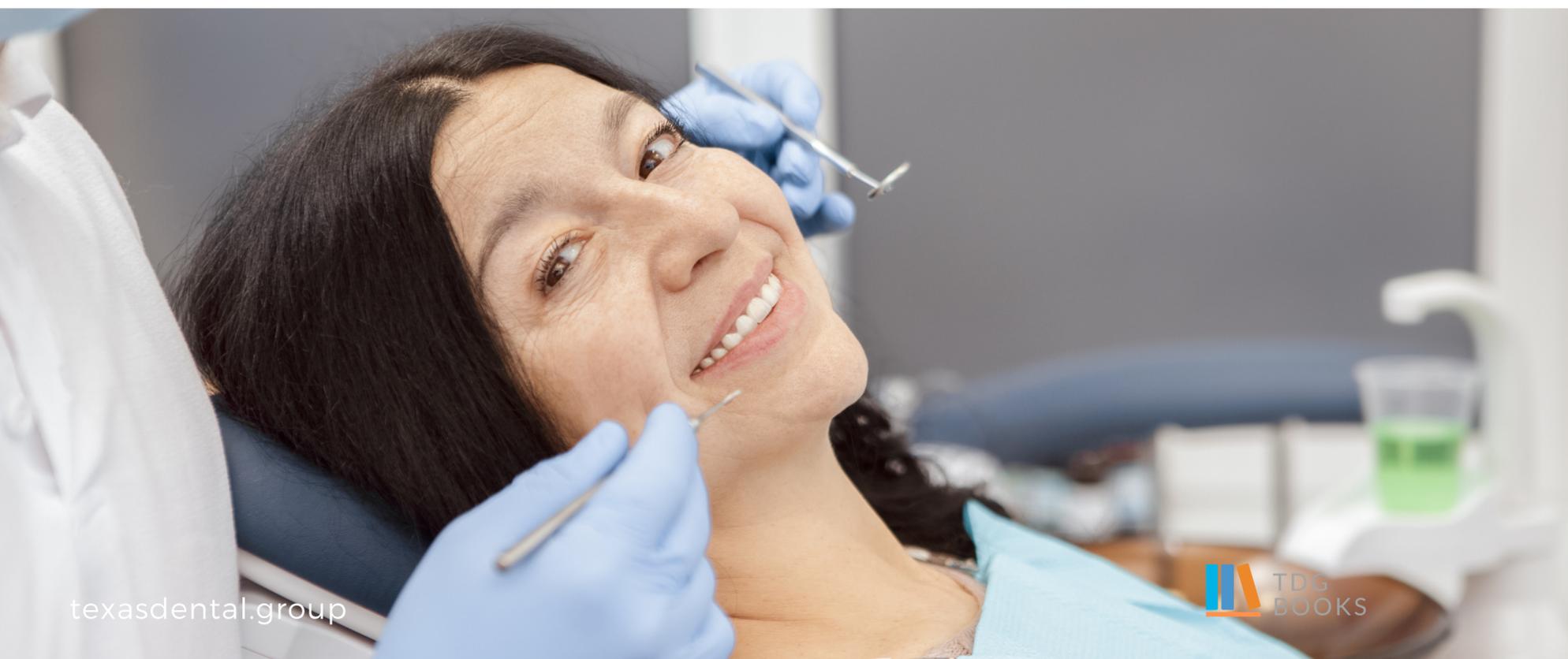
5 Facts about Dental Implants



Chapter 6

5 Facts about Dental Implants

- Ancient dental implants have been traced back to around 600 AD, when tooth-like pieces of shell were hammered into the jaw of a Mayan woman.
- Dental implants are the only dental restoration option that preserves natural bone, actually helping to stimulate bone growth.
- In 1951, a small group of dentists who were successfully placing dental implants formed the AAID – American Academy of Implant Dentistry – to share their knowledge on the practice of implantology. AAID is the first professional organization in the world dedicated to advancing implant dentistry.
- In 1952, Swedish orthopedic surgeon P.I. Branemark discovered that titanium naturally fuses with bone, eventually switching his research focus to the mouth from the knee and hip.
- 3 million people in the United States have implants, a number that is growing by 500,000 annually.



Chapter 7

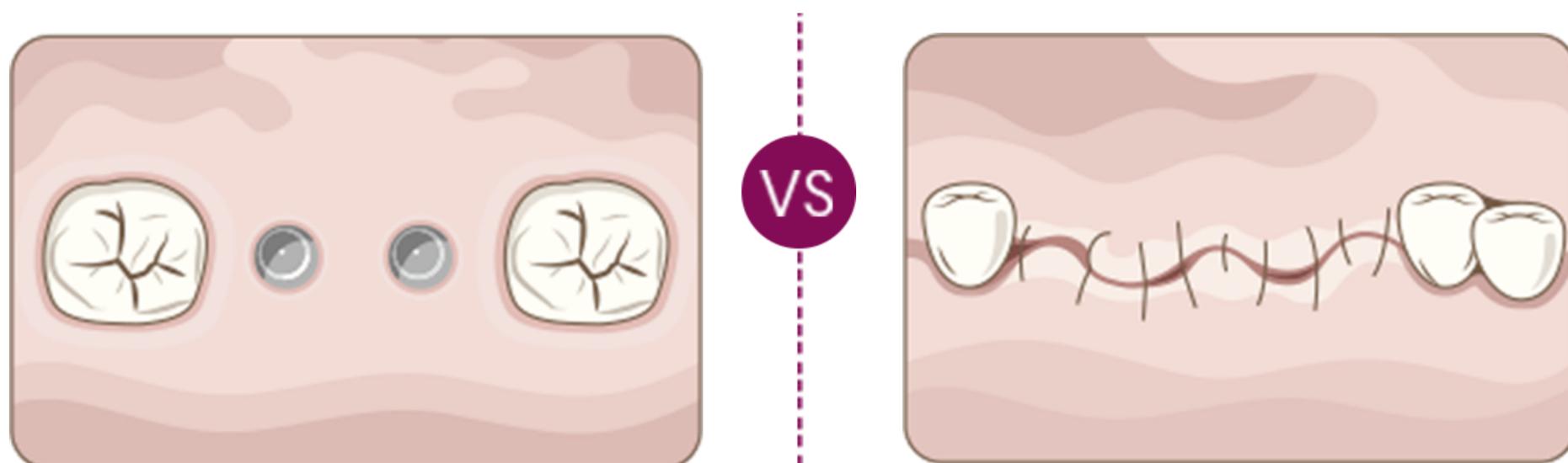
Surgery or No Surgery?



Chapter 7

Surgery or No Surgery?

Earlier we covered the procedure for getting implants via surgery. Here at Texas Dental Group, we also offer a minimally invasive procedure. We believe data drives precise, incisionless procedures that minimize surgical inefficiency and inaccuracy to provide optimal implant placement and unprecedented patient comfort, post-procedure healing, and osseointegration.



With the **DIOnavi EcoDigital Implant Platform**, the entire procedure can be planned, managed, designed and performed in our office at **Texas Dental Group**, in one visit. It's flapless, so there is no incision, which means there's less chance for complications and a better chance for a comfortable procedure with rapid healing. With this method, the entire intraoperative procedure can be performed in minutes.

Depending on the number and type of implants and if additional surgeries are needed such as sinus lifts or guided bone regeneration, the entire process can take three to nine months. After your dental implant placement is finished, you'll visit your dental implant dentist periodically for follow-up checkups, just as you do your regular dentist.

Chapter 8

What are the Potential Risks and Complications with a Dental Implant?



Chapter 8

What are the Potential Risks and Complications with a Dental Implant?

With any surgery, there are always some risks and potential complications to the patient or to the success of a dental implant. Careful planning is important to ensure that a patient is healthy enough to undergo oral surgery and heal properly.

Just like any oral surgery procedure, bleeding disorders, infections, allergies, existing medical conditions, and medications need careful review prior to proceeding with treatment. Fortunately, the success rate is quite high and failures usually occur in the unlikely event of infection, fracture of the dental implant, overloading of the dental implant, damage to the surrounding area (nerves, blood vessels, teeth), poor positioning of the dental implant, poor patient cooperation or poor bone quantity or quality.

Again, careful planning with a qualified surgeon can help avoid these problems. In many cases, another attempt can be made to replace a failed dental implant after the requisite time for healing has taken place. Moreover, using the Dionavi process at Texas Dental Group alleviates potential complications:

- Data drives precise, incisionless, and suture-less procedures
- Minimizes time-consuming procedural inefficiencies
- Optimizes patient comfort, post-procedure healing, and osseointegration

Conclusion



Conclusion

If you struggle with dental issues and can't seem to find a solution that makes you happy, dental implants could be the right choice for you. Beyond the aesthetic appeal, many people find that the health benefits are an important factor when considering implants.

For example, did you know implants can help prevent bone loss in the jaw? The natural erosion of bone begins as soon as a tooth is lost, and if nothing is done, this may result in the loss of other teeth and could cause a “sunken” look in facial features. Dental implants integrate with the bone and help maintain a more youthful facial structure, boosts confidence—and leads to better oral health.

Dental implants could help improve overall health, too. With strong, full functioning teeth, patients can expand their diets and eat healthier foods again, like nuts and fruits.



Conclusion (cont.)

You also should take into account the longevity of implants. When properly cared for, dental implants can last a lifetime, making them one of the best investments for long-term tooth replacement.

Unlike dentures, they never slip or move—and you don't have to use special cleaners and adhesives. Unlike fixed bridgework, dental implants don't require adjacent healthy teeth to be filed down. And, there's this fact to consider: studies have reported that the long-term success rate of implants is over 98%.*

To better understand what makes dental implants the definitive solution for missing teeth, please feel free to visit **Texasdental.group** for a consultation. Texas Dental Group has been helping patients with dental implants for over 15 years with a combined dentist experience of over 50 years. Schedule your appointment today. You'll be amazed at what our dental technology and expert care can do for you.

