

UBGEN®  
**FOR YOU**



The Earth: a grain of sand in a vast cosmic arena. To date, the only known world capable of supporting life. Everyone we love and every human being has lived their existence here. This is where we are. This is our home. This is who we are. This is why we have decided to dedicate our professional lives to improving the lives of other people. To achieve this, we have undertaken difficult and risky paths. Indeed, considered by many to be impossible. With the awareness that failures would be greater in number than successes. But life is only worth living if we realize our uniqueness by kindly caring for each other. Within this type of approach, each of us has one primary mission, and only one: to fulfil their potential in harmony with their surroundings.





FOR YOU  
YOU HAVE TO FACE  
DENTAL SURGERY:  
HERE'S WHAT YOU  
NEED TO KNOW.



UBGEN®  
A CONSCIOUS  
CHOICE THAT  
YOU CAN DO  
WITH YOUR  
EYES CLOSED.

UBGEN

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**INFORMATIVE NOTE** The information contained in this brochure is for informational purposes only and under no circumstances can replace the medical advice of your dentist. In case of doubt or for more information, always contact your dentist.

# 1. WHY

## IS IT IMPORTANT TO HAVE A BEAUTIFUL SMILE?

There are two good reasons to take care of your teeth and want to smile again:

- A functional reason, related to the correct chewing and consequent digestion and absorption of nutrients contained in food, posture and body health.
- A psychological reason, as having healthy teeth improves aesthetics, increases well-being and self-esteem.



## 2. WHAT CAUSES BONE LOSS AND WHEN IS RECONSTRUCTION NEEDED?

Bone loss can be caused by several factors.

A typical example is gum inflammation due to bacterial plaque which, if not removed with proper oral hygiene, affects the bone.

In other cases, following a tooth extraction, bone thickness could be reduced.

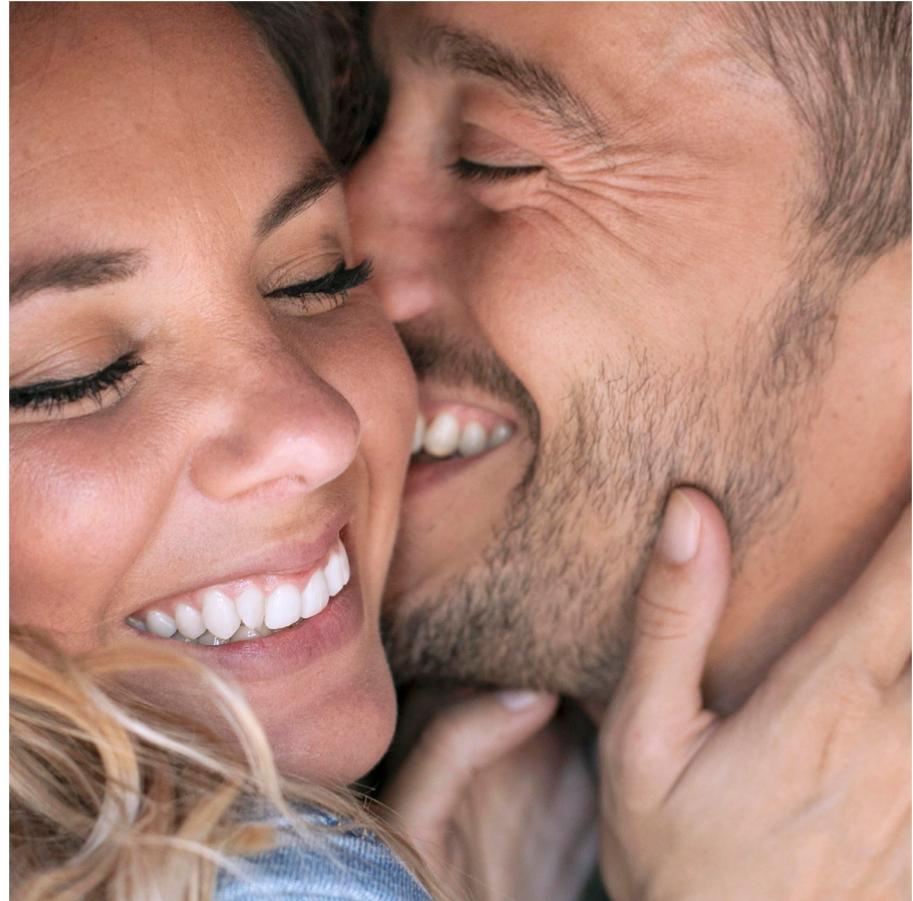
Even the use of removable dental prostheses that does not adequately stress the bone tissue, produces its resorption.

**Other causes of bone loss can be due to trauma or pathologies such as peri-implantitis, with consequences such as:**

- Loss of tooth or implant;
- Defects in chewing;
- Inability to insert the dental implant;
- Instability of the implant;
- Alteration of phonetics;
- Decreased self-esteem.

Regardless of the causes of bone loss, what matters is to proceed to a timely restoration of bone volume, to ensure a fast functional recovery of chewing and ensure the long-term stability of teeth and implants, as well as improve the aesthetics of teeth and gums.

Human bone can regenerate, but in some conditions, such as when a large amount of bone tissue is missing, our body needs help.



### 3. WHAT ARE BIOMATERIALS AND WHAT ARE THEY USED FOR?

Biomaterials are inert bone grafts, used for repairing and regenerating bone tissue in the sinus or jaw.

They are used in various fields of medicine, but mainly in orthopedic and dentistry.

There are two main macro-categories into which biomaterials can be divided:

- Bone substitutes ;
- and membranes capable of protecting the bone graft in the area of intervention.

Bone grafts, according to their origin, are divided into:

#### **AUTOLOGOUS**

Bone material taken from the patient themselves, from the sinus and jaw or from areas outside the oral cavity;

#### **HOMOLOGOUS**

Provided by regional and national musculoskeletal tissue banks, identified and authorized by the Ministry of Health;

#### **HETEROLOGOUS**

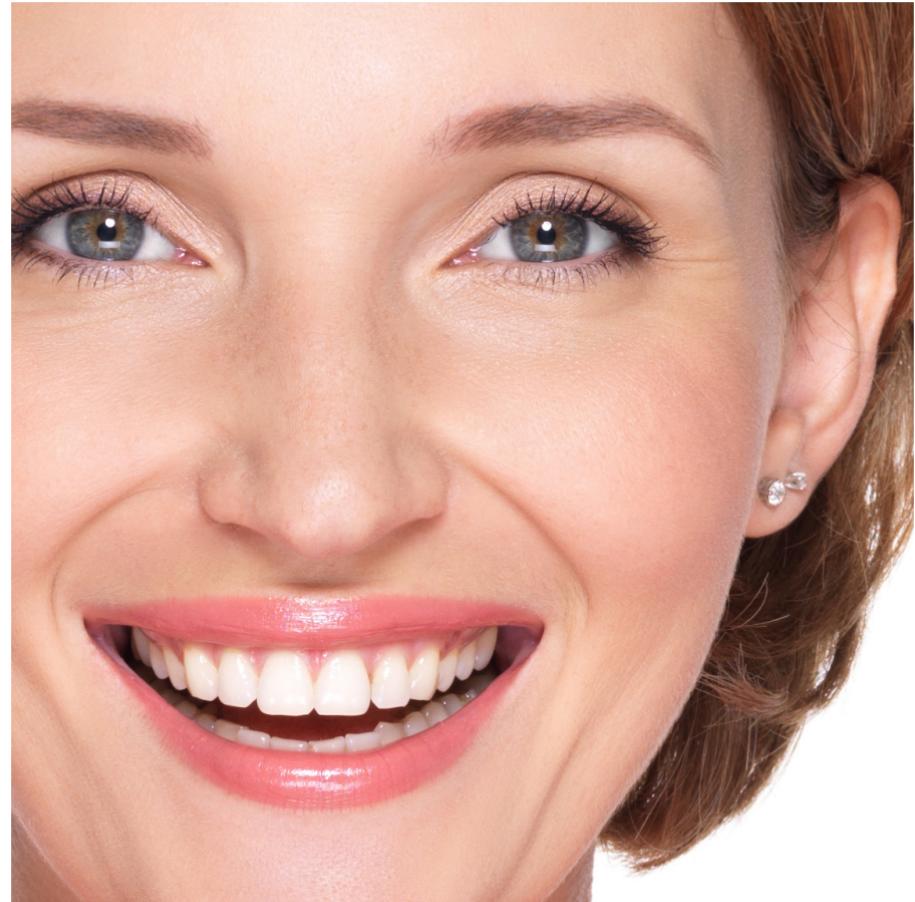
Of animal origin (bovine, equine, porcine) either synthetic, or chemical (called synthetic or non-absorbable).

In case of bone deficiency it is advisable to use RE-BONE® bovine graft.

RE-BONE® is positioned in the area to be restored allowing the positive outcome of the intervention.

In addition, RE-BONE® is resorbable, i.e. it retreats over time, letting the patient's body progressively rebuild its internal tissue.

With the creation of bone tissue by their own body, the patient will get as a result a restored chewing and their original smile.



## Can animal biomaterials transmit infections or diseases to humans?

However, RE-BONE®, the resorbable biomaterial of bovine origin UBGEN®, increases the level of safety to almost 100% because:

- The animals used are less than 24 months old to rule out the presence of bovine spongiform encephalopathy (mad cow disease);
- It is the only cattle treated at low temperature (thanks to the Thermagen process) that allows to make it almost completely resorbable;

- The patient, after a short time, will develop their own bone and will have no animal residue material inside their body;
- It comes from a 100% Italian supply chain and is subject to strict process control;
- It has CE certifications from the Italian National Institute of Health;
- It is also registered and certified in non-EU countries.

## 4. WHY ARE BIOMATERIALS USED?

Despite the characteristic hardness and strength, bone is not a static tissue, but is constantly changing and repaired.

This process is called **bone remodeling**.

Every year about 10% of our overall bone mass is renewed.

The bone substitute (biomaterial), keeping the bone volume unchanged and ensuring the stability of the implant screws, promotes the process of regeneration and healing of the surgical wound.



## 5. HOW DOES BONE RECONSTRUCTION CONTRIBUTE TO IMPLANT STABILIZATION?

Following the tooth extraction, near the extractive alveolus, both bone and gum tend to a progressive and natural reduction of their volume.

In order to guarantee stability to the implants, it is good to fill the extraction cavities with a biomaterial that will help to maintain the bone volume.



## 6. WHAT ARE THE INDICATIONS TO FOLLOW AFTER SURGERY?

It is necessary to adopt appropriate post-operative behaviors to reduce recovery times and minimize the onset of any complications.

On the opposite page we list **the five main post-operative indications** to be adopted after bone regeneration surgery.

In case of pain or any doubt, always consult your dentist

- Treat any swelling with cold compresses.
- In case of pain, ask your dentist, if you have not already done so, for an adequate pain reliever.
- For the first few weeks, during daily oral hygiene procedures, avoid the operated area, use an antibacterial mouthwash and, later, in the area surrounding the wound use only a toothbrush with soft bristles.
- Avoid coffee, alcohol and cigarettes for 2-3 days after surgery. This warning reduces the risk of post-operative bleeding and improves wound healing (smoking and insufficient oral hygiene can have a significant negative impact on the outcome of therapy).
- Even if the recovery proceeds smoothly, respect the schedule of check-ups set by your dentist.



WANT TO KNOW  
MORE?  
**ASK YOUR  
DENTIST.**

 **UBGEN**

**UBGEN®**  
**THE BEST SOLUTIONS**  
**FOR YOUR SMILE.**

Thank you for reading the information that we provide here. We care about your well-being and your health and we wish you can choose with awareness.

To solve imperfections and functional problems that lead you to face regenerative surgery it is important that you can trust our solutions.

We know we can offer you cutting-edge solutions in the dental sector. Contact your dentist, they will be able to advise you in the best way.

Do you need more information?  
Visit this page on our website:





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