Sinu-Lift™ System
second generation

A revolutionary, minimally invasive and predictable technique to lift the maxillary sinus membrane.

Solutions for Implant Placement
Company Background

IIT was founded by dental professionals aiming to simplify implant dentistry. Our goal is to make implant placement easier, faster, more profitable and predictable. IIT is focused on providing innovative quality products backed by professional service and support.

IIT Philosophy

- Provide technology to make implant dentistry more precise.
- Increase predictable outcomes.
- Decrease chair time.
- Increase comfort level of implant dentistry.
- Increase profitability given accuracy and simplicity.

Sinu-Lift™ System

The Sinu-Lift™ System is a new surgical technique which is designed for the maxillary sinus lift. A minimally invasive procedure which allows for the placement of implants in the maxillary sinus region.

The Sinu-Lift™ System is comprised of:

1. The Sinu-Drill™. This is an intelligent self regulating mechanical hand device that drills the path to the Sinus membrane, disengaging upon contact to avoid rupture
2. The 3mm yellow curette, which is used initially to gently separate the sinus membrane from the bone
3. The 4.2 mm blue curette, with a flexible tip and can be used if additional elevation is required
4. A bone packer is provided to help fill the cavity with bone graft
5. Multifunction handle to help turn wheels and provide additional reach with drill and curettes
6. 3.2mm calibrated drill to prepare osteotomy (ordered separately)
Product Description

1. Sinu-Drill™
2. 3mm diameter curette
3. 4.2mm diameter curette
4. Bone packer
5. Handle
**Surgical Technique**

**Step 1**
- Identify the location of the Sinus and its anatomy.

**Step 2**
- Elevate flap.

**Step 3**
- Identify correct implant placement and diameter (the Implant Guiding System is shown)
- Use a round bur to mark the desired position of the implant.

**Step 4**
- Use a 2mm drill to prepare the site. Drilling should stop when drill tip is 1-2mm short of the Sinus Membrane.
- Repeat prior step using the precision calibrated 3.2mm Start Drill.
  (If desired, you may use an intermediate sized drill prior to using the calibrated 3.2mm Start Drill)

**Step 5**
- Place the Sinu-Drill™ into the osteotomy and use the white knob to thread the Sinu-drill™. The green knob will rotate freely as it is not currently engaged.
- When you feel the green knob release or rotating freely you have reached the Sinus Membrane without perforation.
- Remove the Sinu-Drill™ by turning the white knob counter clock-wise.
- You are now ready to begin separating the Sinus Membrane from the bone.

**Step 6**
- The supplied handle can also be used for additional support and leverage while drilling through the bone.
- The pointed tip of the handle couples with the holes in the Sinu-Drill™.
- Continue threading the Sinu-Drill™ using the white knob while testing the green knob continuously.
- When the green knob engages rotate the Sinu-Drill™ using the green knob ONLY.
Step 8

- Use the 3mm yellow curette to gently separate the Sinus Membrane making sure the tip of the curette is in constant contact with the bone (this is a very delicate dissection procedure. Use great caution to avoid membrane rupture).

Step 9

- The supplied handle can also be used to gain additional support and reach while utilizing the curettes and the bone packer.
- Snap the curette into the open end of the handle.

Step 10

- If additional elevation is required, utilize the 4.2mm blue curette with a flexible-tip.
- Use the color markings on the curette to verify adequate elevation for desired implant.
- Remove the blue curette.

Step 11

- Use bone graft to fill in the space created during the procedure.

Step 12

- Use the bone packer to spread bone graft around the implant site.
- Repeat as necessary.
- If required, use a final drill to increase osteotomy diameter for desired implant.

Step 13

- Place the treatment planned length and diameter implant and close the flap.
Other Recommendations

Anatomical restrictions:

1. Identify septum locations through x-rays and tomographies to avoid the possibility of coinciding with sinus drill placement. Drilling through a septum will cause membrane rupture. Place sinus drill away from septum avoiding direct placement below it.

2. Determine the correct bucco-lingual inclination to avoid the possibility of coinciding with the buccal cortical of the maxilla. This could cause the membrane to rupture.

3. NOTE: This is a delicate procedure. Do not push the membrane with the curettes or the bone packer. During the complete lifting procedure of the membrane, the curettes must stay in contact with the bone-membrane interface.

Clinical Cases

- Clinical Pre-operative
- Using the Implant Guiding System to stabilize implant placement site
- Marking implant position
• Using Sinu-Drill™ with fingers
• Using Sinu-Drill™ with handle
• Elevating membrane with curette
• Bone Packer
• Placing implant
• Checking for occlusion
• Implant in position
• Pre-operatory
• Post-operatory
Ordering Information

SLS01 Sinu-Lift™ System

3.2SD 3.2mm Sinu-Start™ Drill

To order call 1.866.944.1118 or go to www.iitweb.com