

Taso Kit

Universal Sinus Augmentation Instrument Set

by Dr. Tassos Irinakis

bontempi kits



The TASO Kit designed by Dr. Tassos Irinakis and manufactured by Bontempi, consists of 9 distinct sequentially numbered instruments that allow the clinician to perform any direct sinus augmentation surgery. All steps of the procedure are taken into account from raising the flap to the tricky step of placing the membrane over the osseous lateral window prior to suturing.

This well thought-out set of instruments allows the clinician to comfortably operate in the various sinuses regardless of location, anatomic variations or level of difficulty. It also establishes a comfortable routine that was never present before.

Dr. Tassos Irinakis

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Dr. Irinakis is a Periodontist in Vancouver, Canada and Director of the Graduate Periodontics & Implant Surgery program in the Faculty of Dentistry at the University of British Columbia. He is considered an expert in Direct Sinus Lifts and a significant portion of his private practice focuses on this technique sensitive procedure. He is also the founder and director of I.D.E.A.S. Institute for Dental Education & Advanced Surgeries.

He holds a Dental License in two provinces and performs Sinus Augmentation surgeries for his own patients as well for patients referred to him by other specialists and non-specialists in the provinces of BC and Alberta. He also teaches this procedure at the University to his residents in the specialty program as well through his advanced bone grafting Cadaver courses in Canada and internationally.

Dr. Irinakis conducts clinical research and is extensively published in the topic of Implants, Bone Grafting and Sinus Augmentation.

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TASO-1

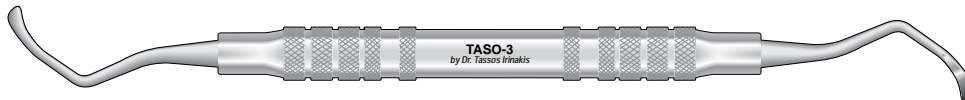
This is the first instrument in the TASO line required immediately after the clinician has completed the lateral window and has reached the sinus membrane. This is the first hand instrument that will be used to initiate membrane elevation off the lateral osseous walls. It requires careful subtle handling and is used for the first 2-3mm of membrane elevation.

The two differently angled tips allow for placement of this instrument in all sides of the window. When a clinician owns a Piezo-Electric unit, then the inverted cone tip on that unit can replace the TASO-1 instrument in most scenarios and the clinician could proceed directly to the TASO-2 instrument.



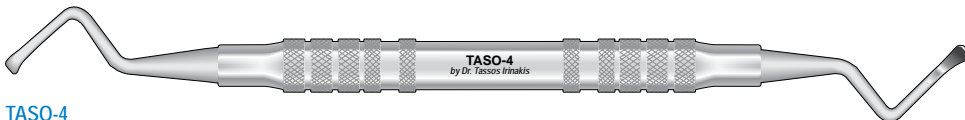
TASO-2 & TASO-3

Both these instruments were designed to do the bulk of the membrane elevation off the lateral wall of the sinus. They are also extremely effective for lifting the membrane off the base of the sinus cavity, however, only for narrow sinus cavities. For the wider cavities, to completely lift the membrane off the base of the antrum, one would also have to use the TASO-5 & TASO-6 instruments.



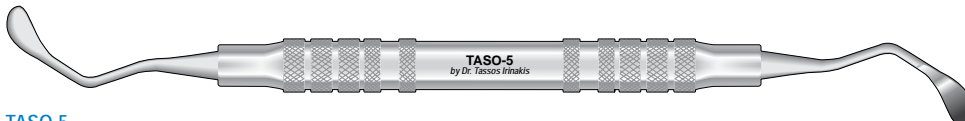
TASO-4

As a clinician is concentrating on the initial membrane elevation it is not uncommon that they will encounter interfering septa that can lead them to perforate or tear the membrane. These septa, when positioned close to the opening of the lateral window, can be devastating. The TASO-4 instrument was designed with this problem in mind. If a septum is identified, and in close proximity with the membrane, then it can be very difficult to address it. The TASO-4 instrument offers the surgeon the opportunity to manage this complication effectively and bypass this intra-surgical challenge. Although its design is meant to be effective in septa in the beginning of the membrane elevation process, it can effectively be used by an experienced clinician in any step of the sinus elevation surgery.



TASO-5

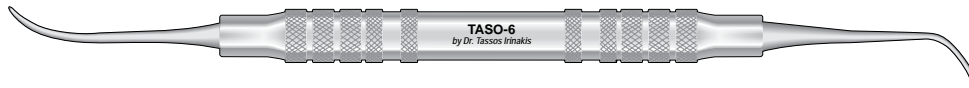
This instrument can complement the TASO-2 instrument in the larger and wider sinus cavities, where the membrane is being lifted without much difficulty. However, it requires a larger access window so the lateral window would need to be wide enough to accommodate this instrument. It can be used in lifting the membrane off the lateral wall and the base of the sinus cavity. It can also be used to lift off the anterior wall, which is usually found over the premolar area.



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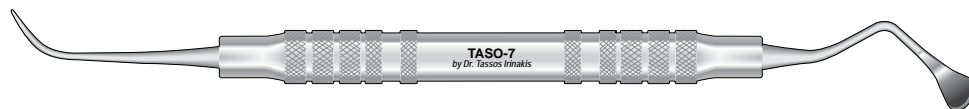


TASO-6

After using the instruments TASO 1-5, the surgeon is now encountering the base of the sinus cavity and/or the medial and lateral walls. The TASO-6 instrument was designed specifically for this purpose. It is extremely effective in lifting the membrane off the Medial and Anterior Antrum walls in small and moderately sized sinus cavities and can also be used to some extent in large sinus cavities. One of its tips allows for elevation off the posterior aspect of the sinus window.

* An additional use for this instrument is to carry and place the bone graft particles into the sinus.

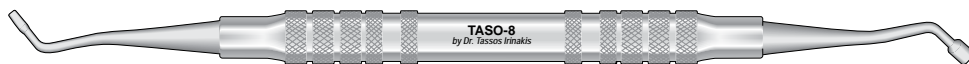
* In the narrow or moderately sized cavities, this would be the final membrane elevation instrument.



TASO-7

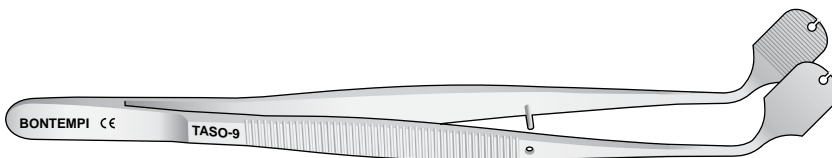
This instrument is designed to be commonly used in the larger sized sinus cavities for membrane elevation off the base of the antrum and the medial wall.

* In the large and wide sinuses, this would be the final membrane elevation instrument.



TASO-8

This is a Bone Condenser shaped uniquely to allow for careful bone particle placement or bone allocation within the sinus cavity. It assists the surgeon to assure that the particles have indeed been placed and secured in all the right spots without allowing for voids or gaps within the particles or for allowing the membrane to fold, which may lead to empty areas within the sinus. This could create serious problems at the time of implant placement. This is a critical step in the surgery and the TASO-8 instrument certainly assists the surgeon in securing the placement of the graft particles.



TASO-9

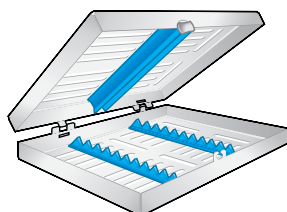
One of the most common problems observed on Cone Beam CT Scans post operatively when the sinus graft has healed and the surgeon is planning the implant placement is the serious loss of bone at the entry of the lateral window. The most common reason for this problem is that when placing the resorbable membrane over the lateral window, the membrane slips down and allows for soft tissue invagination into the grafted sinus. The tissue forceps used to assist us in placing the membrane at this final but still critical stage of our surgery are simply inadequate to ensure proper membrane placement.

The TASO-9 instrument was fabricated with a specially designed surface area and shape to effectively assist the clinician to securely place the final membrane and securely position the flap over the membrane without moving it downwards and thus exposing the grafted sinus to the inner aspect of the elevated flap. This way, the membrane is allowed to do what it was designed to do, i.e. exclude all soft tissue cells from entering the grafted cavity.



BS-60

Stainless Steel Cassette with Silicone Racks for 10 instruments (185 x 135 x 35 mm)



Taso Kit

Sinus Augmentation Procedure
by Dr. Tassos Irinakis

