ENDOCHOR®

Future Of Face

Endoscopic Face Lift Implants

Feasibility
Adjustability
Compatibility
Endurability

Of Facial Soft Tissue Fixation

EndoChor®

Future Of Face

ENDOCHOR®

Bioabsorbable Soft Tissue Fixation Devices

EndoChor® is used in a variety of facial rejuvenation procedures, ranging from minimalinvasive procedures, Endoscopic lifts to invasive surgical procedures.

EndoChor® has CE certified patented system for anchoring monobloc soft tissue to the skeletal system during facial rejuvenation procedures using specially designed small, bioabsorbable spines to enable balanced and tension free fixation of the lifted tissue.

This innovative system allows surgeons to remotely readjust tissue fixation and location during the surgical procedures, resulting in a harmonious aesthetic outcome.

Biodegradable CO-Poltymer (82/18 L-lactide/Glycolide copolymer)

Eliminates secondary procedures for removing any non-absorbable fixation hardware.

EndoChor® Implants provide secure and versatile fixation throughout the Post-Operative healing period, and gradually disintegrates as biological fixati on takes over.

Multiple Versatile Spines For Mono-Block Fixation

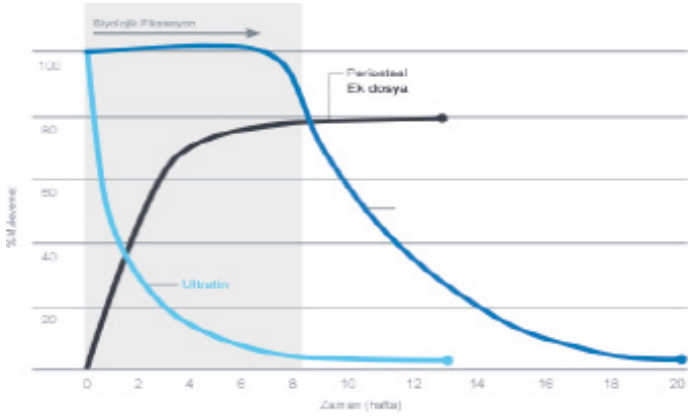
EndoChor® implants deploy the **Multi-Vectoral Technology (MVT)**, an innovation that guides the surgeon through the facial aesthetic procedure. The **Multi-Spines** position can be easily customized by the surgeon to set the optimal fixation points required during surgery.

Equilibria In The Distribution Of Tension Force

EndoChor's unique design provides multiple points of tension force transmission of the suspended tissue over the contact surface, hence dispersing the tension over a wider surface area rather than a single point. This allows a sustainable fixation defying gravity and counter forces of the facial mimicry.

Designed For Feasibility And Durability

The ingenuine design can be applied in both endoscopic and open surgical techniques.



Feasibility

EndoChor® applications provides a reproducible invasive and non-invasive approach for facial rejuvenation allowing minimum operative time in the hands of experienced clinicians.

Adjustability

The Multi-Vectoral Technology (MVT) provides a strong tool for adjusting the EndoChor® devices for the patients needs.

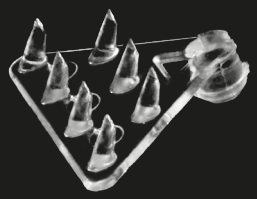
Compatibility

The unique designs and the versatility of the implant's spines renders the EndoChor® devices to fit any anatomical region in facial procedure.

Endurability

The MVT technology provides a durable fixation method in facial rejuvenation procedures.

ForeHead™



ENDOCHOR®

EndoChor® ForeHead™
And Forehead™ adjusted to fit any type of Forehead™ Lift Procedures.

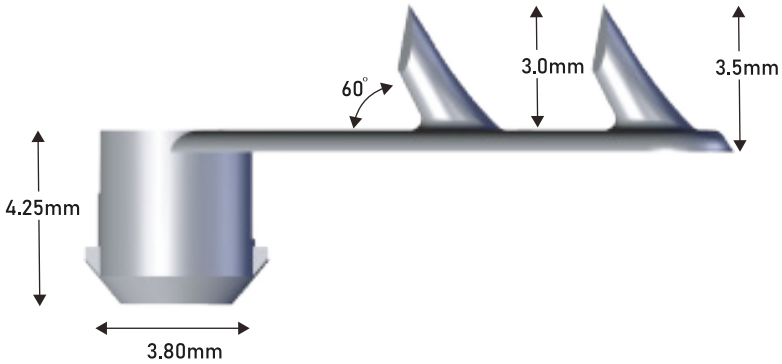
EndoChor® ForeHead™

A Refined Size for Precise Applications

The **ForeHead™** provides a smaller scale of implants with the same predictability and security for more fine local precise applicativons in the forehead region. In addition, it provides a suitable solution for patients who have thicker, soft tissue and forehead skin.

A Strong Delicate Platform

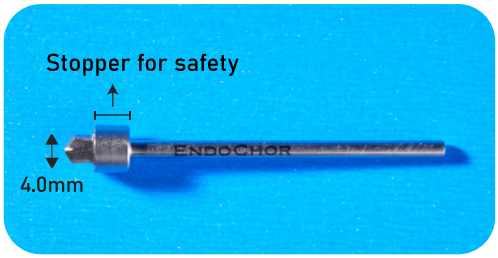
An ultra-thin platform with multiple ultrafine spines providing sensitivity for patients who may not affected by palpability, yet carrying all the physical properties of the larger scale of EndoChor® ForeHead ™



EndoChor® Instrument Kit

This instrument tool kit is specially manufactured with an ergonomic design to ease the implant application.

Kit includes sterilization case, two cranial bone hole cutters with depth control and implant installment tool.

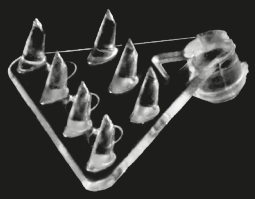


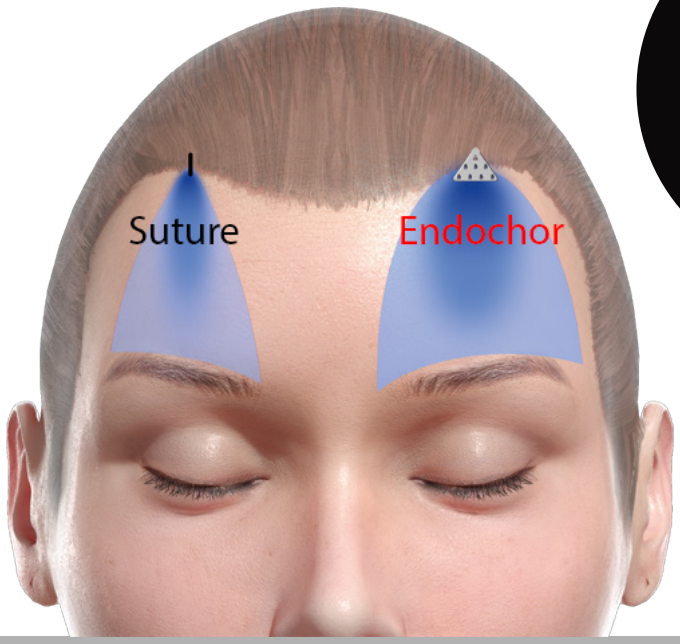
EndoChor® ForeHead™ Device

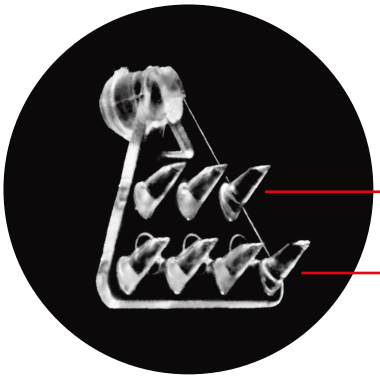
C-EST-ENFLD30 EndoChor® ForeHead™ 3.0	This EndoChor® uses tines that are 3.0mm in length to reduce issues of palpability or sensitivity	3.0 mm
C-EST-ENFLD35 EndoChor® ForeHead™ 3.5	Features tines that are 3.5mm in length and is best for patients with average to thick scalps where more secure fixation is desired.	3.5 mm

ForeHead™

ENDOCHOR®







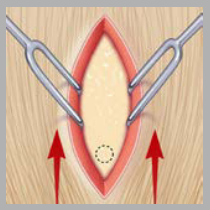
Multiple Versatile Spines For Mono-Block Fixation

EndoChor® implants deploy the **Multi-Vectoral Technology (MVT)**, an innovation that guides the surgeon through the facial aesthetic procedure. The **Multi-Spines** position can be easily customized by the surgeon to set the optimal fixation points required during surgery.

ForeHead™ Lift Procedures

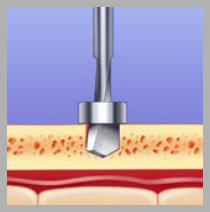
1 | Create The Port Of Entry

Make a sagittal, median, paramedian or temporal inscions depending on the surgeon's preference. Perform the proper dissection for adequate structural release.



2 | Determine The Drill Hole Site

Pull craniocaudally the desired structures (ie. Brow, ForeHead skin) to determine the desired position. Mark the implantation site so that the EndoChor® device will finally lie under the intact hair-bearing scalp.

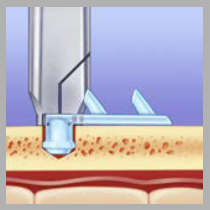


3 | Drill The Hole

Deploy the EndoChor® Bone Hole Cutter to create a nest at the marked site. The hole should be in the boundaries of the temporal fusion line laterally and the coronal suture posteriorly. Drill all the way to the depth control cuff. Aspirate and dry the hole to remove all bone debris.

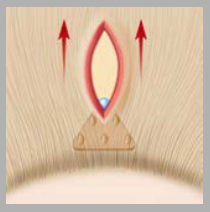
4 | Load The EndoChor® Implant

Use the EndoChor® applicator tool to snatch the implant from its packaging shell. One spike like tip of the tool settles into the hole in the EndoChor® plate and the other end embraces the implant fixation knob.



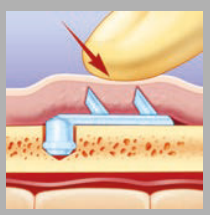
5 | Place The EndoChor Device

Insert the EndoChor® Forehead ™ implant into the drilled hole. Apply controlled pressure until the platform is integrated with the cranium. Dispatch gently the applicator from the implant.



6 | Pull The Tissue Cranio-Caudally

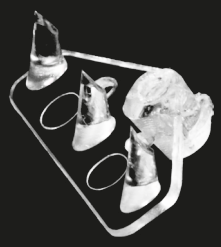
Lift the brow or forehead skin to the desired position. The implant may lie either anterior or lateral to the incision line.



7 | Secure The Tissue Fixation

Apply digital pressure to ensure the integration of the tissue by the device spines. Close the incision properly. A gentle pressure dressing is recommended to avoid any possible detachment.

ForeHead-Mini™



ENDOCHOR®

EndoChor® ForeHead™
And ForeHead-Mini™ adjusted to fit any type of ForeHead™ Lift Procedures

EndoChor® ForeHead-Mini™

A Refined Size for Precise Applications

The ForeHead-Mini™ provides a smaller scale of implants with the same predictability and security for more fine local precise applicativons in the forehead region. In addition, it provides a suitable solution for patients who have thinner, soft tissue and forehead skin.

A Delicate Platform

An ultra-thin platform with multiple ultrafine spines providing sensitivity for patients who may be affected by palpability, yet carrying all the physical properties of the larger scale of EndoChor® ForeHead-Mini™

Pre-Loaded Installment Kit

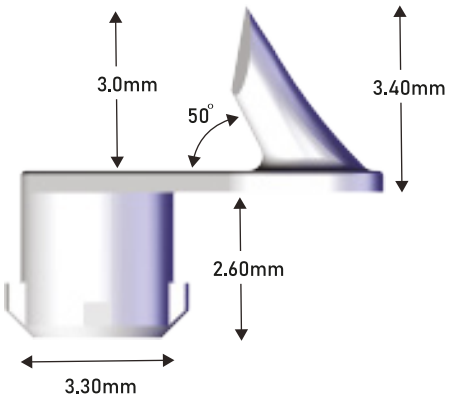
The EndoChor® ForeHead- Mini™ comes with an adjusted cranial hole cutter
and pre-loaded hand piece.

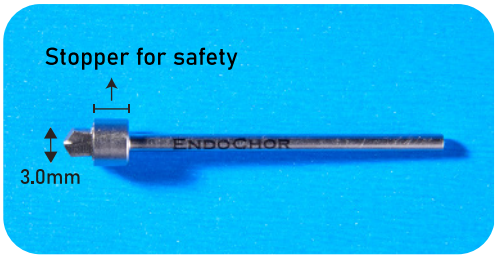
A Thinner Profile for An Ultra-fine Fixation

The EndoChor® ForeHead- Mini™ has a miniaturized plate with embedded multi-fine spikes that is smaller than EndoChor® ForeHead™. With a thin plate for reduced visibility, and a small size to be introduced through inscions below-10 mm, the EndoChor® ForeHead-Mini™ Is ideally suitable for patients with below average scalp thickness or, for more refined applications desired by the surgeon.

Reduced visibility and incision size enables the EndoChor® ForeHead-Mini™ to be placed securely below the hairline region.

Due to the lower mass of EndoChor® ForeHead- Mini™, it will readily absorb to an impalpable size, smoothly improving the patient's post-operative experience.



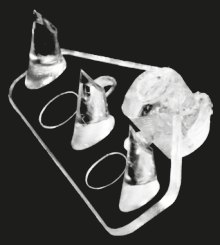


EndoChor® ForeHead-Mini™ Device

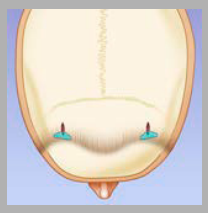
C-EST-ENFLD30-M EndoChor® ForeHead-Mini™ 3.0	Low profile device features 3.0mm tines and is designed for patients that need a smaller, sub-10mm incision.	3.0 mm

ForeHead-Mini™

ENDOCHOR®

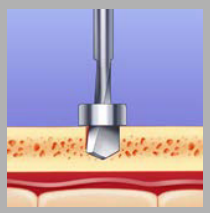


ForeHead-Mini™ Lift Procedures



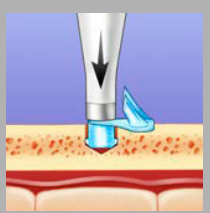
1 | Create The Port Of Entry

Make a sagittal, paramedian inscions depending on the surgeon's preference. Perform the proper dissection for adequate structural release.



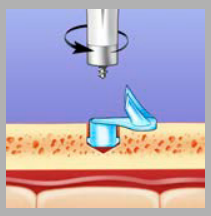
2 | Create The Anchoring Hole

Determine the lifting position of the desired structure (i.e., brow, forehead skin). Mark the implantation site so that the EndoChor® device will finally lie under the designated anatomical structure. Deploy the EndoChor® Bone Hole Cutter to create a nest on the frontal bone at the marked site. Drill all the way to the depth control cuff. Aspirate and dry the hole to remove all bone debris.



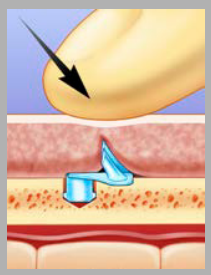
3 | Place The EndoChor® ForeHead-Mini™ Device

Insert the EndoChor® Forehead-Mini™ into the hole. Apply controlled pressure until the platform is integrated with the frontal bone surface.



4 | Dispatching the EndoChor® ForeHead-Mini™ From The Loading Tool

Dispatch the applicator from the implant by gently turning the insertion tool in a counter-clockwise fashion.



5 | Elevate The Brow Or ForeHead™ skin

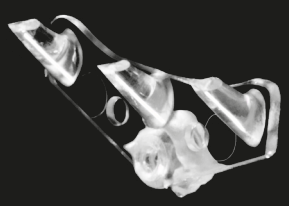
Elevate the brow or forehead skin to the desired position. The implant may lie either anterior or lateral to the incision.

6 | Secure The Tissue Fixation

Apply digital pressure to ensure the integration of the tissue by the device spines. Close the incision properly. A gentle pressure dressing is recommended to avoid any possible detachment.

TransBleph™

ENDOCHOR®



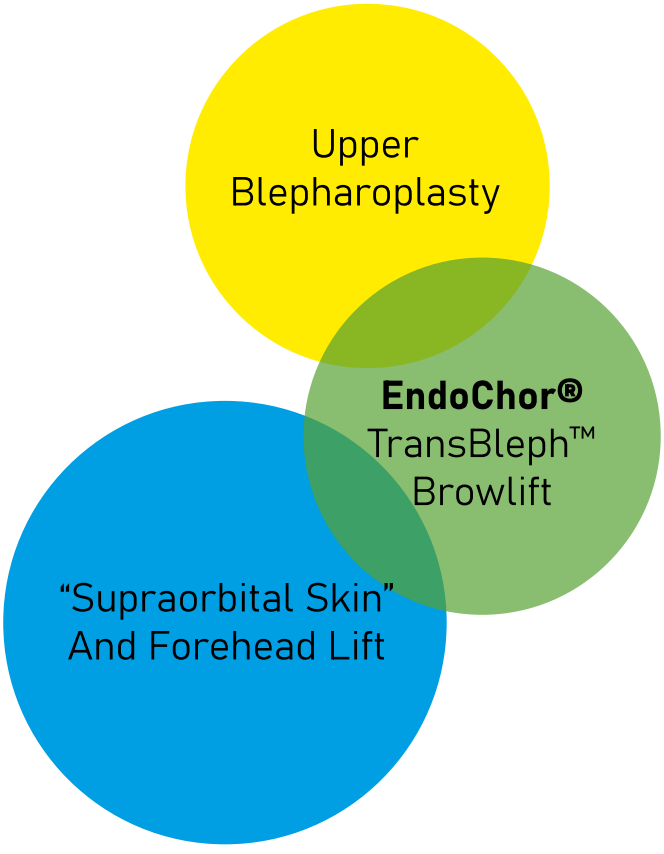
EndoChor® TransBleph™
All In one procedure For "Upper Periorbital" Rejuvenation.

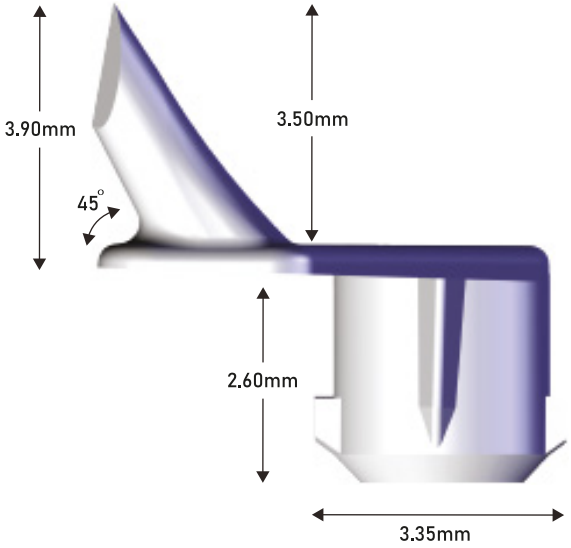
A Fast Track to achieve an upper periorbital region rejuvenation. This device provides the versatility to combine upper eyelid skin removal with the repositioning of the brow and supra-orbital skin in a single surgical session.

No Endo-Visualization Required

By utilizing the upper blepharoplasty incision as a port of entry, the EndoChor® TransBleph™ aids the surgeon to approach the upper periorbital region in a holistic fashion. The device can easily be applied through the field and no extra hardware is required, meaning fewer instruments to set up, process and maintain.

The EndoChor® TransBleph™ is a supreme device for upper periorbital rejuvenation surgeries: The innovative Multi-Vectoral Technology (MVT), biodegradable implants, and the ability to perform two effective procedures through a single incision.



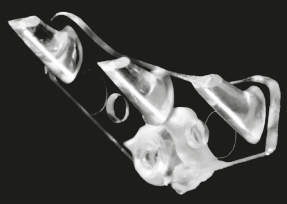


EndoChor® TransBleph™ Device

C-EST-ENTD30 EndoChor® TransBleph™ 3.0	Features tines with tips that are 3.0mm above the platform. This size is designed for patients with thin brow tissue where sensitivity to tine palpability may be a concern.	3.0 mm
C-EST-ENTD35 EndoChor® TransBleph™ 3.5	Features tines with tips that are 3.5mm above the platform. This size is designed for patients with thick brow tissue where are aggressive fixation is desired.	3.5 mm

TransBleph™

ENDOCHOR®



EndoChor® TransBleph™ For A "Fast Track" Brow And Upper Periorbital Skin Lift Procedure

1 | Make The Blepharoplasty Incision

Make the incision as surgically planned though the upper eyelid. The supraorbital region is approached in the subperiosteal plane. Dissection is carried out to release the supraorbital skin including the "brow" in a superior and lateral fashion. Adequate mobility is created.

2 | Create The Anchoring Hole

Determine the lifting position of the desired structure (i.e., brow, upper periorbital skin). Mark the implantation site so that the EndoChor® device will finally lie under the designated anatomical structure. Deploy the EndoChor® Bone Hole Cutter to create a nest on the frontal bone at the marked site. Drill all the way to the depth control cuff. Aspirate and dry the hole to remove all bone debris.

3 | Place The EndoChor TM TransBleph Device

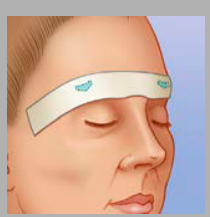
Insert the EndoChor® TransBleph™ into the hole. Apply controlled pressure until the platform is integrated with the frontal bone surface.

4 | Dispatching The EndoChor® TransBleph™ From The Loading Tool

Dispatch the applicator from the implant by gently turning the insertion tool in a counter-clockwise fashion.

5 | Multi-Point Fixation

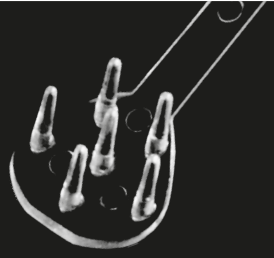
Elevate the brow and the supraorbital skin sub-periostally to achieve adequate liberation of tissue translation. Elevate the skin and brow to the desired position. Use gentle digital pressure to entangle the tissue to the EndoChor® spines. Elevate the free edge of the periosteal layer up and trap it over the spikes for optimal secure lift.



6 | Secure The Tissue

The incision is closed, and a compression bondage is applied.

MidFace™



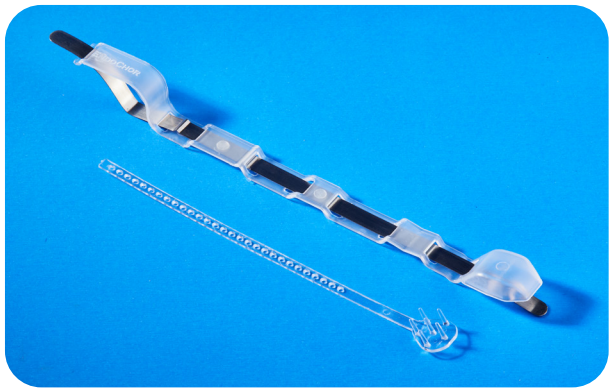
ENDOCHOR®

EndoChor® MidFace™
A versatile design for Mono-Block Midfacial lifting procedures.

The Multi-Vectoral Technology (MVT) enables a monoblock tissue lifting in midfacial rejuvenation.

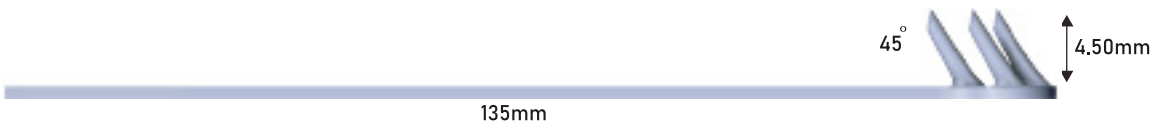
You can eliminate awkward fixation sutures with an EndoChor® MidFace™ implant, a genuine and efficient solution that utilizes the multi-vectoral technology to suspend the midfacial compartment. This patented device incorporates multiple spines that can be easily customized by the surgeon to set the optimal fixation points required during surgery.

Feasibility and durability adding more, the EndoChor® MidFace™ facilitates rapid deployment through either the temporal and/or oral incisions in a shorter surgical time while simplifying the surgical procedure. In addition, it is a powerful tool that can be added to the inventory of major facial rejuvenation procedures.



Feasible & Fast

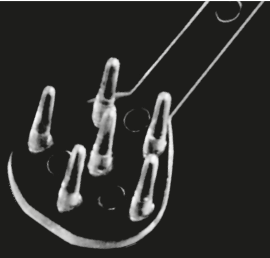
EndoChor® MidFace™ implants can easily be applied in the hands of an experienced surgeon



EndoChor® MidFace™ Device

C-EST-ENMLD45 EndoChor® MidFace™	Biobsorbable midface suspension device that features tines with tips that are 4.5mm above the platform.	4.5 mm

MidFace™



ENDOCHOR®

EndoChor® Midface™ Soft Tissue Suspension Procedure

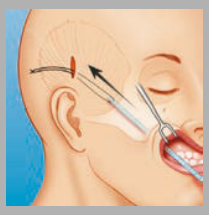
1 | Surgical Approach/Initial Incisions

The MidFace™ dissection is carried out endoscopically or using the surgeon's preferred method though the temporal approach, which may include additional incisions (Intraoral, periorbital, supraorbital). Dissection should proceed to the inferior maxilla trespassing the buttress to assure that fixation platform is localized over the maxillary antrum keeping in mind to avoid the infraorbital nerve medially. The elegant design of EndoChor® MidFace™ ease it's way through the temporal subperiostal/subfacial tunnel.

2 | Device Placement

2-a) Insert the EndoChor® device through the temporal incision to the desired position.

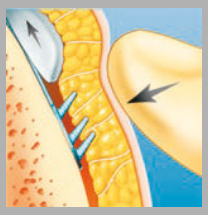
2-b) Alternately, the surgeon can remove the device from the installment strap and inserted in a retrograde fashion though an intraoral incision.



Alternatively, the implant may be removed from the insertion tools and inserted in a retrograde fashion through an oral/buccal incision.

3 | Device Deployment

With the fixation platform in the inferior recess of the dissection, retract the installment cover by squeezing the release mechanism.

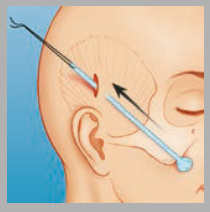


4 | Device Fixation

Once the platform is in proper position, apply gentle digital pressure over the cheek to engage the tissue with the EndoChor® spines.

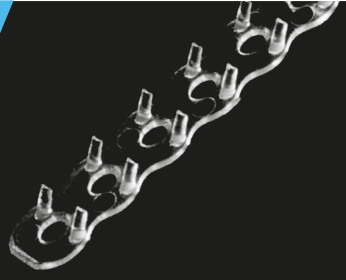
5 | Installment Tool Removal

Retrieve the installment tool while maintaining digital pressure on the fixation platform to avoid any dislodgement.



6 | Tissue Levation

Ribbon™



ENDOCHOR®

The EndoChor® Universal Strip™

An Innovation for Diversification In Facial Rejuvenation
This unique and genuine implant can be used in a wide variety of facial rejuvenation procedures including the lower face and neck.
The multi-spine loaded pliable bioabsorbable implants EndoChor® Strip™ offers novel flexibility, with a variety of surgical approaches, lifting vectors, degrees of lift, and ease of use.

A Revolutionary Innovation For Fixation

Enhance your surgical outcome without changing your surgical approach.

Fast & Simple

Using a minimally invasive approach, perform an entire procedure in minutes per side under local anesthesia or sedation.

Long Or Short EndoChor® Strip™

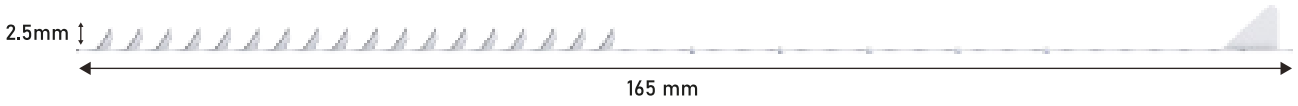
Up to you, customize the strip to fit your requirements during the procedure, tailor it according to the patient's anatomy.
Trim the fixation-area or calibrate the length of strip to accommodate the proper dimension for an ideal surgical outcome.

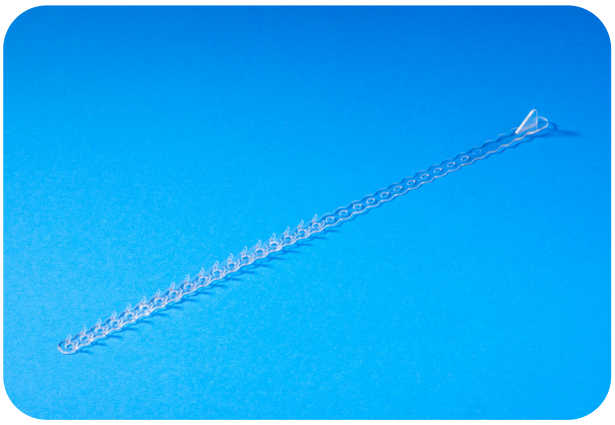
Diversification In Application From Minimally-Invasive To An Open Surgical Approach

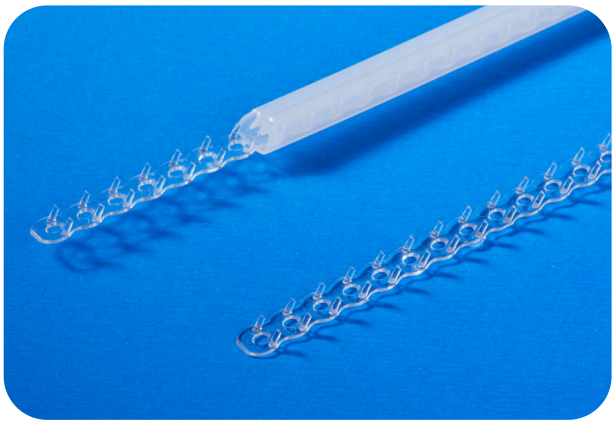
The EndoChor® Strip™ deploys quickly and easily in a neck lift, a jowl lift or as part of a full face lift, SMAS flap fixation, via a small incision or a fully open procedure.

Adjustable Lifting Vector And Degree Of Lift

Versatility to choose your lifting vector and degree of lift to custom the patient's needs and procedure.
Adjust vector and degree of lift instantaneously for dramatic intraoperative results and desired cervicomental definition.



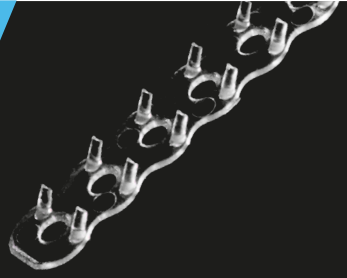




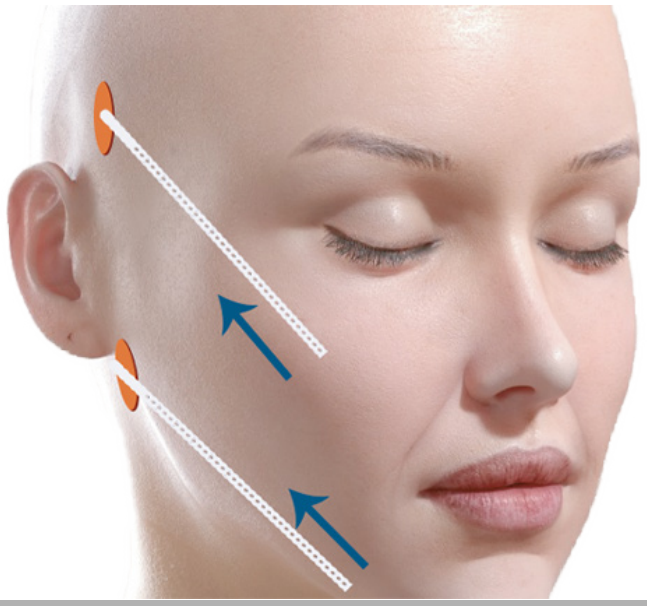
EndoChor® Ribbon™ Device

C-EST-ENRLD25 EndoChor® Ribbon™	Biobsorbable fixation device features tines with tips that are 2.5mm above the platform.	2.5 mm

Ribbon™



ENDOCHOR®

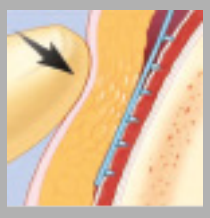


EndoChor® Strip™ Lift Procedure For The Neck

1 | Incision
Make the incision as desired

2 | Dissection
Perform a proper dissection as required and create the surgical plane

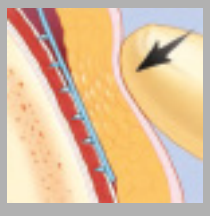
3 | Deploy
Detach the strip from its protective cover



4 | Engage
Elevate and anchor the tissue to the designated position

5 | Secure
Secure the strip with suture.

6 | Closure
The incision is losed with the standard technique and a compression bandage is applied.



EndoChor® Strip™ Lift procedure for the Jowl Area.

ENDOCHOR®

Manual Drill

Endochor Manual Drill

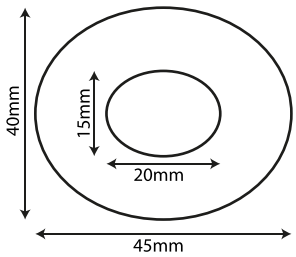
Streamline your surgical procedures with the Endochor® Manual Surgical Drill. This manual tool brings together exceptional efficiency and precision, all within an easy-to-handle design.

- Perfectly suited for all Endochor® drilling needs
- No need for external cables, just a simple, ready-to-use tool
- Advanced transmission system provides high torque with ease
- Ergonomic axial shape enhances both comfort and control during use
- Versatile 3-Jaw chuck accommodates a variety of drill bit sizes

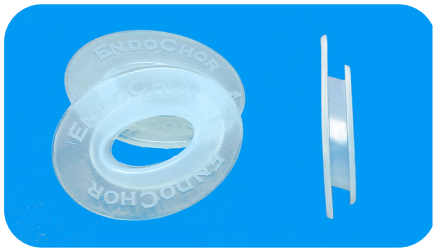
ENDOCHOR®

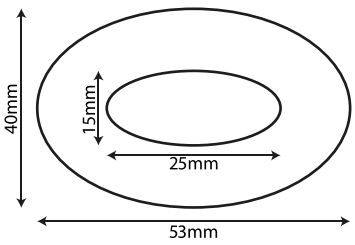
Silicone Skin Port

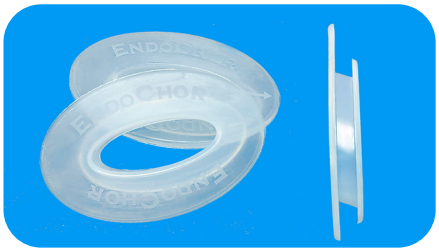
Frontal Skin Port (Autoclavable)

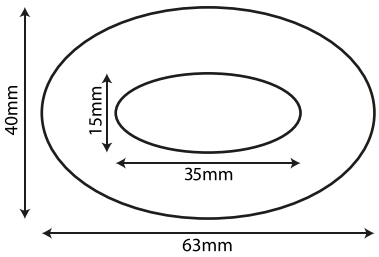


Temporal Skin Port (Autoclavable)









Notes

ENDOCHOR®

Future Of Face

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