

# ENDOCHOR<sup>®</sup>

F u t u r e O f F a c e



**Fast**  
**Adjustable**  
**Compatible**  
**Effective**

Facial Soft Tissue Fixation

# ENDOCHOR®

## Bioabsorbable Soft Tissue Fixation Devices

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

**EndoChor®** is a CE certified system for anchoring soft tissue during facial rejuvenation and reconstruction procedures using small, specially designed, **resorbable** spikes to enable balanced and tension free fixation of the lifted tissue.

This innovative system allows surgeons to **easily** adjust tissue fixation and location during the surgical procedure, resulting in a harmonious aesthetic outcome.

### Resorbable Co-Polymer (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 are gradually **resorbed** as biological fixation takes over

### Multiple Versatile Spikes For Mono-Block Fixation

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

### Distribution Of Tension Force

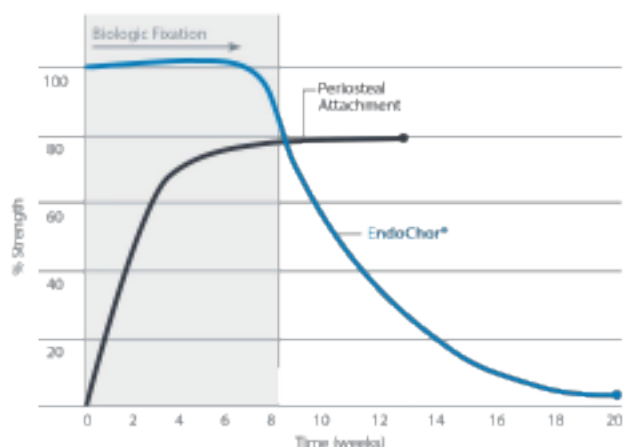
**EndoChor®**'s unique design provides multiple points of fixation of the suspended tissue over the contact surface, hence dispersing the tension over a wider surface area rather than at a single point. This allows a sustainable fixation defying gravity and avoiding issues of single point fixation such as dimpling, alopecia and tissue 'pull-through'.

### Designed For Simplicity And Durability

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



### EndoChor® Absorption Profile



#### Fast

EndoChor® devices can be deployed in under 1 minute in the hands of experienced clinicians significantly reducing operating time.

#### Adjustable

Tissue can be quickly and easily lifted off EndoChor® devices for fast and effective adjustment to suit the patient's needs and achieve ideal aesthetic results.

#### Compatible

EndoChor® devices are made from a co-polymer of poly-lactic and poly-glycolic acids. Materials that are well known for their biocompatibility.

#### Effective

EndoChor® devices provide durable fixation during the critical healing phase in facial rejuvenation and reconstruction procedures ensuring success.

# ENDOCHOR®

# ForeHead™

2



## EndoChor® ForeHead™

### Designed for all types of brow lift or hairline lowering procedures

Soft tissue fixation remains the least controllable and least predictable part of the forehead lift procedure. Until now, only suture-based and percutaneous screw fixation techniques were available, often with frustrating results.

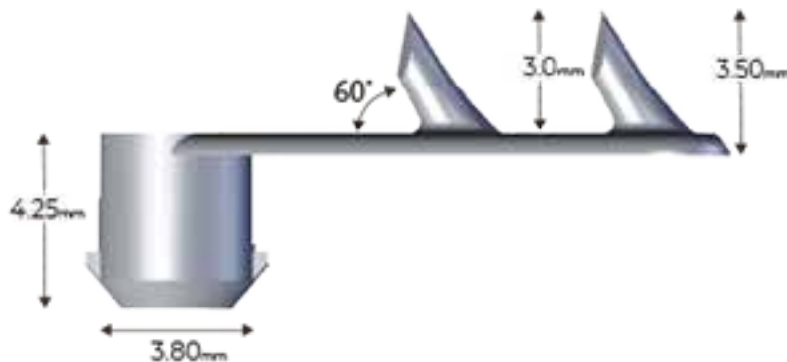
EndoChor® devices deliver a novel and effective solution for fixation of the scalp tissue, addressing the primary challenge of the forehead lift and hairline lowering procedures.

EndoChor® ForeHead™ is composed of an 82:18 polylactic acid and polyglycolic acid polymer with a proven track record of performance and reliability.

## EndoChor® Instrument Kit

The EndoChor® instrument kit is manufactured with an ergonomic design to facilitate insertion of the device.

The Kit includes sterilisation case, two drill bits with stop to ensure perfect depth every time and one insertion 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. This device would be required if the patient has had previous brow surgery.

3.5 mm

# ENDOCHOR®

## ForeHead-Mini™



### EndoChor® ForeHead-Mini™

#### A Strong Delicate Platform

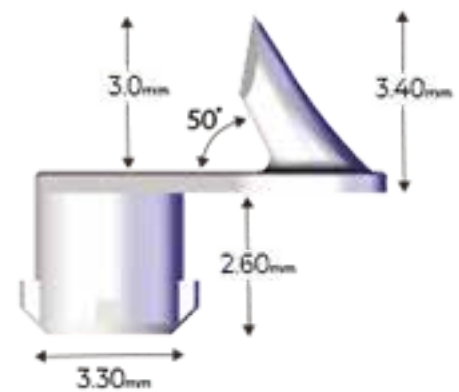
The ForeHead-Mini™ provides a smaller scale of implants with the same predictability and security as the ForeHead™ for more fine local precise applications in the forehead region.

An ultra-thin platform with three, 3mm tines. The EndoChor-Mini™ is ideal for patients with thin tissue, where a smaller device footprint is required or where palpability of the device may be an issue.

Due to the smaller size of EndoChor® ForeHead-Mini™, it will rapidly resorb to an impalpable size, improving the patient's post-operative experience.

#### Pre-Loaded Insertion Kit

The **EndoChor®** ForeHead-Mini™ comes pre-loaded on its insertion tool and with a sterile, single use drill bit.



### EndoChor® Forehead-Mini™ Device

C-EST-ENFLD30-M  
EndoChor® Forehead-Mini™ 3.0mm

Low profile device features 3.0mm tines and is designed for patients that need a smaller, sub-10mm incision.

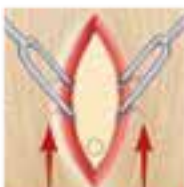
3.0 mm



## Brow Lift Procedures with EndoChor® ForeHead™

### 1 | Create The Port of Entry

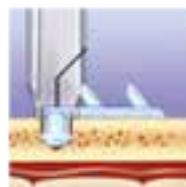
Make sagittal, median, paramedian or temporal incisions depending on the surgeon's preference. Perform proper dissection for adequate release.



### 2 | Determine The Drill Hole Site

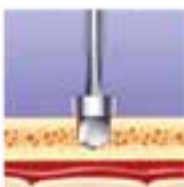
lift the brow to the desired position. With the brow in its desired final position, place a mark on the skull at the anterior point of the incision.

This will ensure that the EndoChor® device will lie under intact hair-bearing scalp once the incision is closed.



### 5 | Place The EndoChor Device

Position the EndoChor® ForeHead™ implant over the drilled hole and rock from side to side gently to find the correct position. Apply firm, controlled pressure until the post clicks into the hole. Gently release the implant from the insertion tool.



### 3 | Drill The Anchoring Hole

Use the EndoChor® drill bit to create a hole 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 the hole to remove all bone debris.



### 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.



### 4 | Load The EndoChor® Implant

Use the EndoChor® insertion tool to secure the implant. One spike-like tip of the tool settles into the hole in the EndoChor® plate, and the other fits into a notch in the implant fixation post.



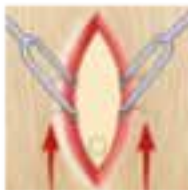
### 7 | Secure The Tissue Fixation

Apply digital pressure to ensure the tissue is penetrated by the device's spikes. Close the incision. A gentle pressure dressing is recommended to avoid any possible detachment of the tissue from the device.

## Brow Lift Procedures With EndoChor® Forehead-Mini™

### 1 | Create The Port of Entry

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



### 2 | Determine The Drill Hole Site

Determine the lifted position of the desired structure (i.e., brow, forehead skin). Mark the implantation site so that the EndoChor® device will lie under the designated anatomical structure.



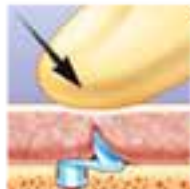
### 4 | Detach the EndoChor® ForeHead-Mini™ From The Insertion Tool

Detach the applicator from the implant by gently turning the insertion tool in an anti-clockwise direction.



### 2 | Drill The Anchoring Hole

Use the supplied EndoChor® ForeHead-Mini™ drill bit to create a hole 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 the hole to remove all bone debris.



### 5 | Elevate The Brow

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



### 3 | Place The EndoChor® ForeHead-Mini™ Device

Insert the EndoChor® Forehead-Mini™ into the hole. Apply firm, controlled pressure until the post clicks into place.



### 6 | Secure The Tissue

Apply digital pressure to ensure the tissue is penetrated by the device's spikes. Close the incision. A gentle pressure dressing is recommended to avoid any possible detachment of the tissue from the device.

# ENDOCHOR® TransBleph



## 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 supraorbital skin in a single surgical session.

### No Endoscopic Equipment Required

By utilising the upper blepharoplasty incision as a port of entry, the **EndoChor® TransBleph™** aids the surgeon to approach the upper periorbital region quickly and easily. The device can be deployed under direct visualisation meaning there is no need for expensive endoscopic equipment so there are fewer instruments to set up, process and maintain.



The **EndoChor® TransBleph™** is a supreme device for upper periorbital rejuvenation surgeries.

The combination of innovative **Multi-Vectoral Technology (MVT)**, bioabsorbable implants, and the ability to perform two effective procedures through a single incision without the need for general anaesthesia or expensive equipment makes the **EndoChor® TransBleph™** the perfect choice.

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



**1 | Make The Blepharoplasty Incision**  
The supraorbital rim is approached subperiosteally through the lower limb of your upper blepharoplasty incision. Release the brow thoroughly including dissection of around 2.5cm of the conjoint fascia to create adequate mobility.



**2 | Create The Anchoring Hole**  
An anchoring hole for the EndoChor TransBleph is drilled in the frontal bone 10-15mm above the orbital rim between the lateral limbus and lateral canthus using the enclosed drill bit. Drill all the way to the bit sleeve. Suction the hole to remove all debris.



**3 | Place The EndoChor® TransBleph™ Device**  
Insert the EndoChor® TransBleph™ into the hole. Apply firm, controlled pressure until the device clicks into place.



**4 | Detaching The EndoChor® TransBleph™ From The Insertion Tool**

Detach the applicator from the implant by gently turning the insertion tool in an anti-clockwise direction.



**5 | Multi-Point Fixation**

Elevate the perosteum over the tines for maximum lift. Using digital pressure, engage the tissue onto the tines.



**6 | Secure The Tissue**

Close the incision and apply a pressure bandage.

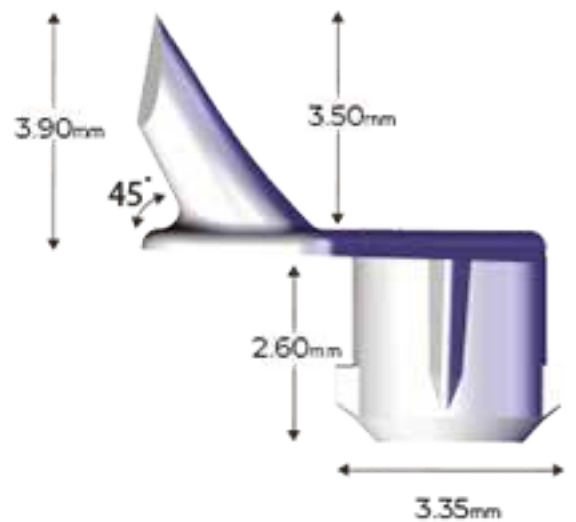
\*For best results treat the brow with botulinum toxin 3-4 weeks prior to surgery.



Upper  
Blepharoplasty

EndoChor®  
TransBleph™  
Browlift/Brow  
Stabilisation

"Supraorbital Skin"  
And Forehead Lift



### EndoChor® TransBleph™ Device

C-EST-ENTD30 EndoChor® TransBleph™	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™	Features tines with tips that are 3.5mm above the platform. This size is designed for patients with thick brow tissue where aggressive fixation is desired.	3.5 mm



# ENDOCHOR®

## MidFace™

### EndoChor® MidFace™

A versatile design for en bloc Midfacial lifting procedures

EndoChor's **Multi-Vectoral Technology (MVT)** enables en bloc tissue lifting in midfacial rejuvenation.

You can eliminate awkward fixation sutures with an **EndoChor® MidFace™** implant, a unique and effective solution that utilises multi-vectoral technology to suspend the delicate midfacial compartment. This innovative device incorporates multiple small spikes that distribute the load over a wide area maximizing fixation strength and holding power.

The **EndoChor® MidFace™** facilitates rapid deployment through subciliary, transconjunctival, temporal and/or oral incisions in a shorter surgical time while simplifying the surgical procedure. The vector of lift can also be varied by suturing to the deep temporal fascia, or screwing to the zygoma or lateral orbital rim.

It is a powerful tool that can be added to the inventory of major facial rejuvenation procedures.



## 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 through the temporal approach, which may include additional incisions (*intraoral, periorbital, supraorbital*). Dissection should continue to the inferior maxilla to assure that the fixation platform is positioned over the maxillary antrum after elevation.



### 2 | Device Placement

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



### 4 | Device Fixation

Once the platform is in position and deployed, apply digital pressure over the cheek to engage the tissue with the EndoChor® tines.



2-b) Alternatively, the surgeon can remove the device from the insertion tool and insert through a periorbital incision or in a retrograde fashion through an intraoral incision.



### 5 | Insertion Tool Removal

Retrieve the insertion tool while maintaining digital pressure on the fixation platform to avoid dislodging the tissue.



3 | Device Deployment  
With the fixation platform at the inferior recess of the dissection, retract the insertion tool cover by squeezing the release mechanism.



### 6 | Tissue Elevation

Elevate the midface tissues to the desired position by applying tension to the anchoring leash exiting the temporal incision. Anchor the leash to the temporal fascia with suture and trim leash to lay flat in the incision.



# ENDOCHOR<sup>®</sup> MidFace™

## Fast

**EndoChor<sup>®</sup> MidFace™** implants provide secure soft tissue fixation in five minutes or less in the hands of an experienced surgeon.

## Adjustable

**EndoChor<sup>®</sup> MidFace™** devices allow simple adjustment of tension and position for greater aesthetic control of cheek elevation and projection.

## Secure

By distributing elevation forces over five tines, the proprietary multi-Vectoral Technology offers unmatched security of tissue fixation.



C-EST-ENMLD45  
EndoChor<sup>®</sup> MidFace™ Bioborbable midface suspension device that features tines with tips that are 4.5mm above the platform.

4.5 mm

# ENDOCHOR<sup>®</sup> MidFace-Mini™

## The EndoChor<sup>®</sup> Midface Mini™

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<sup>®</sup> Strip™** offers novel flexibility, with a variety of surgical approaches, lifting vectors, degrees of lift, and ease of use.

## Pre-Loaded Installment Kit

Each EndoChor<sup>®</sup> MidFace™ comes Pre-Loaded on an installment tool, ready for immediate placement.



## EndoChor<sup>®</sup> MidFace-Mini™ Device

C-EST-ENMLD5  
EndoChor<sup>®</sup> MidFace-Mini™ Bioborbable midface suspension device that features tines with tips that are 4.5mm above the platform.

4.5 mm

### The EndoChor<sup>®</sup> Universal Strip<sup>™</sup>

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<sup>®</sup> Strip<sup>™</sup>** 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.



### EndoChor<sup>®</sup> Strip<sup>™</sup> 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 closed with the standard technique and a compression bandage is applied.



EndoChor<sup>®</sup> Strip<sup>™</sup> Lift procedure for the Jowl Area.

### 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™	Biabsorbable fixation device features tines with tips that are 2.5 mm above the platform.	2.5 mm
C-EST-ENRLDS EndoChor® Ribbon-Mini™	Biabsorbable fixation device features tines with tips that are 2.5 mm above the platform.	2.5 mm



To order, call +44(0)1803 298415

**ENDOCHOR<sup>®</sup>**



Belle  
1st Floor, The White House  
42 The Terrace, Torquay  
Devon, TQ1 1DE  
United Kingdom



[mail@belle.org.uk](mailto:mail@belle.org.uk)



[www.belle.org.uk](http://www.belle.org.uk)

