MESIRE™ Illuminus:
Light compatible light wire provides sinus cavity navigation and as an insertion aid for the balloon catheter. Illumination of the light wire allows precise placement.

- Distal-tip design enables responsive transmission of fine adjustment to seek visualized targets
- Compatible with light guide cable, connecting to a standard light source

Doctors are free to use any type of visualization tool in the procedures. The devices merely include features that are useful for more than one type of visualization using generic devices like endoscopes.

Ordering Information:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Product Code</th>
<th>Balloon Diameter</th>
<th>Balloon Length</th>
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<tbody>
<tr>
<td>1</td>
<td>MSB083</td>
<td>5 mm</td>
<td>17 mm</td>
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<tr>
<td>2</td>
<td>MSB086</td>
<td>6 mm</td>
<td>17 mm</td>
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<tr>
<td>3</td>
<td>MSB087</td>
<td>7 mm</td>
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<tr>
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<th>Product Code</th>
<th>Angle of Guide Catheter</th>
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<tr>
<td>1</td>
<td>MSG000</td>
<td>0°</td>
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<tr>
<td>2</td>
<td>MSG001</td>
<td>10°</td>
</tr>
<tr>
<td>3</td>
<td>MSG002</td>
<td>20°</td>
</tr>
<tr>
<td>4</td>
<td>MSG003</td>
<td>30°</td>
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<tr>
<td>5</td>
<td>MSG010</td>
<td>40°</td>
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<th>Product Code</th>
<th>Diameter of Light Wire</th>
<th>Length of Light Wire</th>
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<tr>
<td>1</td>
<td>MSB083</td>
<td>0.83 mm</td>
<td>100 cm</td>
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www.merilife.com

Meril Life Sciences Pvt. Ltd.
Bharma No. 1190/B. Naresh Prasad, Mulund, Mumbai, Chark, Ves. 123, 145
Gujarat, India.
T +91 22 2654 1200
F +91 22 2652 1215

Merit, inc.
154 Maple Blvd.
Suite 300
Pittsburgh, NJ - 15440
T +1 412 951 2297
F +1 412 951 2302

Merit GmbH.
Bornheimer Strasse 133-137,
D-53119 Bonn.
Germany.
T +49 228 7100 4000
F +49 228 7100 4001

Merit South America
Doc. Med LTDA
Av. das Tupiniquins
1079 - Cep : 04077-003 - Moema
Sao Paulo, Brazil.
T +55 11 3624 5935
F +55 11 3624 5936

Meril, inc.
70 Village Blvd.
Suite 200
Princeton, NJ - 08540
T +1 609 951 2287
F +1 609 520 1702

E awmfinfo@merilife.com
W www.merilife.com

EU/Representative
Chekka B. A.
24, Galeries Walra 53.
B-1210 Brussels, Belgium.
T +32 2 738 584
F +32 2 738 130
E mail@chekka.net

Meril Brazil
Alameda Marqueses
04060-000 São Paulo
SP Brazil.
Zip Code: 04060-001

www.merilife.com

Meril Sinus Relief

Balloon Sinus Dilation Products
Sinusitis Overview

Sinusitis is defined as an inflammation of the sinus lining, and is commonly caused by structural issues such as ostial blockage, bacterial infections, viral infections or a combination of these. For many patients, symptoms vary and may include nasal congestion, facial discomfort, nasal discharge, headache and fatigue. Sinusitis is considered acute when symptoms last 4 weeks or less and chronic when it lasts 12 weeks or longer.

Why Balloon Sinus Dilation?

The Balloon Sinus Dilation is an advanced surgical procedure approved in India by Indian DGHS and European CE mark approved product. Balloon sinus dilation uses a precise single use balloon catheter to open inflamed sinuses. The balloon catheter is placed into the sinus to reach the inflamed sinuses and gently inflated to restructure the previously blocked nasal passages.

The Balloon Sinus Dilation preserves the normal anatomy of the sinuses and mucosal tissue, and does not require the removal of bone and tissue – this approach helps restore normal sinus functioning. FESS involves removal of bone and tissue and the recurrence rates are high.

Since the disease state is minimal, it’s not required to perform extensive procedure as no major abnormalities are associated with the disease.

The patient has understood the pros and cons of both the procedure and has opted for sinuplasty which has been the standard of care in many countries today.

Benefits of Balloon Sinus Dilation Procedure:

- Less invasive procedure
- Lesser blood loss
- Associated with fewer recurrences
- Post operative recovery is faster and patient can resume work quickly
- Safe and effective ostium dilation procedure for the treatment of chronic sinusitis

Balloon Sinus Dilation Products:

Mesire is a non-compliant balloon catheter designed for precise control on diameter of balloon expansion. It enables accurate placement of balloon in the sinus ostia through visual indicators.

Safe:

- Less balloon deflation time*
- Precise balloon placement
- Optimized balloon inflation
- Six-fold balloon design
- New balloon insertion stylet enabling smooth balloon insertion into the sinus guide catheter
- Enhanced tracking and retraction

Effective:

- Significantly improved SNOT-20 scores
- Symptoms/QOL scores
- Extremely low patency & revision rates
- May enable paradigm shift to local anaesthesia
- Help special case patients (eg. bleeders, ICU)

Reliable:

- Zero adverse events
- Fast recovery – many patients return to normal activities within 24 hours
- Reliable – return of normal sinus drainage and relief of sinus pressure

Ostium Dilation –

- Safe and effective ostium dilation procedure for the treatment of chronic sinusitis
- Post operative recovery is faster and patient can resume work quickly
- Associated with fewer recurrences
- Lesser blood loss
- Manda –

Mesire Guide:

Mesire guide with a distal angle of 2°, 30°, 70°, 90° 110° are designed for targeted navigation of the Mesire balloon catheter into respective ostium. Mesire guide is having softatraumatic tip which prevents the tissue trauma during the insertion.

Product Overview:

Mesire™ Balloon Catheter:

Mesire™ balloon catheter is non-compliant balloon catheter designed for precise control on diameter of balloon expansion. It enables accurate placement of balloon in the sinus ostia through visual indicators.

Precise balloon placement

- Endoscopic markers provide information on balloon location under direct visualization
- Enhanced air bubble markers provide improved visibility under low light

Enhanced tracking and retraction

- Optimized balloon inflation
- Six-fold balloon design
- New balloon insertion stylet enabling smooth balloon insertion into the sinus guide catheter

Increased procedural efficiency

- Precise re-wrapping of balloon
- Less balloon deflation force*

Safe:

- Less follow-up procedures
- Less scaring
- Less recovery time
- Less pain
- Less trauma
- Less general anesthesia time and necessity

Effective:

- Precise balloon placement
- Optimized balloon inflation
- New balloon insertion stylet enabling smooth balloon insertion into the sinus guide catheter

Reliable:

- Zero adverse events
- Fast recovery – many patients return to normal activities within 24 hours
- Reliable – return of normal sinus drainage and relief of sinus pressure

Balloon Sinus Dilation Procedure:

1. A balloon catheter is inserted into the blocked ostium
2. The balloon is inflated to expand the sinus opening
3. Suture is used to wash the infected sinus
4. The system is removed leaving the sinus ostia open