Endoscopic Carpal Tunnel Release System

Safe, minimally invasive ECTR System procedure has been shown to cut patient recovery time in half, here’s how to order.
MicroAire Carpal Tunnel Release System

Technological innovation that improves the quality of patient care.

The MicroAire Carpal Tunnel Release System is a technological breakthrough in carpal tunnel surgery. This innovative system, using a minimally-invasive approach, provides significant patient benefits.

A small incision at the base of the wrist creates an entry for the disposable blade assembly. An endoscope, connected to a standard video camera system, provides a clear view of the underside of the transverse carpal ligament. With the disposable blade assembly accurately positioned beneath the transverse carpal ligament, the surgeon elevates the retractable blade by means of a trigger, and withdraws the blade assembly—incising the ligament.

Patient Benefits

Patients benefit from a procedure which requires only a minimal incision at the wrist, resulting in less morbidity. Recovery time is lessened, with patients benefiting from:

- Early return to activities of daily living
- Early return to work—for non-worker’s compensation patients—almost 50% faster than those who undergo conventional open carpal tunnel surgery
- Improved cosmetic results
- Faster recovery of grip and pinch strength
- Less morbidity and scar tenderness

Surgeon Benefits

Surgeons benefit from the extensive research and design work that has been clinically tested, resulting in:

- A simple, easy-to-use design
- A complete set of supporting instrumentation
- A surgical protocol developed and tested by a panel of hand surgeons
- Documented results
- Improved patient satisfaction

---


---

System Components

A  Disposable Blade Assembly: Convenient dispenser box holds six individually-packaged, sterile, disposable blade assemblies.
B  3.0mm Eyepiece Endoscope. This version connects to a standard camera coupler.
C  Handpiece
D  Synovium Elevator: Separates the synovium from the underside of the ligament for better identification of the ligament anatomy.
Design Features of the MicroAire Carpal Tunnel Release System

**Disposable Blade Assembly**
- The MicroAire Carpal Tunnel Release System’s blade assembly is packaged sterile. It features a sharp retractable blade designed exclusively for transecting the transverse carpal ligament.
- A window at the tip of the disposable blade assembly provides a direct view of the transverse carpal ligament.
- The disposable blade assembly rotates to adjust to right- or left-handed surgery.

**Handpiece**
- The handpiece features a pistol grip and is designed for maximum comfort and control.
- The handpiece trigger elevates and retracts the blade for maximum safety and control.

**Endoscope**
- The scope’s small diameter allows for a minimally-invasive incision.
- A direct connection between the endoscope and camera creates an easy-to-use, compact, lightweight system.

**Hamate Finders**
- Used to prepare a path to aid the entry of the blade assembly. Their design helps the surgeon locate the distal margin of the transverse carpal ligament.

**Sterilization Tray**
- Provides safe and easy maintenance, sterilizing and storage for all of the instruments and endoscope, as well as any additional hand instruments.
## MicroAire Carpal Tunnel Release System
### Ordering Information

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>81010-6</td>
<td>Disposable Blade Assembly (6 pack)</td>
</tr>
</tbody>
</table>

### MicroAire Carpal Tunnel Release System Instrumentation

Complete System Consists of (Each Item Ordered Individually):

- **Handpiece**
- **3.0 mm Eyepiece Autoclavable Endoscope with Storz and Wolf Light Post Adapters**
- **Hamate Finder-Small**
- **Hamate Finder-Medium**
- **Synovium Elevator**
- **Hamate Finder Coequal to Disposable Blade Assembly**
- **Sterilization Tray**

* CTRS Surgical Protocol Video Available Upon Request (specify VHS or DVD)

### Individual Components

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>81014</td>
<td>Handpiece</td>
</tr>
<tr>
<td>81020</td>
<td>Refurbished 3.0 mm Non-Autoclavable Video Endoscope with Storz and Wolf Light Post Adapters</td>
</tr>
<tr>
<td>81025</td>
<td>3.0 mm Eyepiece Autoclavable Endoscope with Storz and Wolf Light Post Adapters</td>
</tr>
<tr>
<td>81023A</td>
<td>Refurbished 3.0 mm Eyepiece Autoclavable Endoscope with Storz and Wolf Light Post Adapters</td>
</tr>
<tr>
<td>81026</td>
<td>Hamate Finder-Small</td>
</tr>
<tr>
<td>81027</td>
<td>Hamate Finder-Medium</td>
</tr>
<tr>
<td>81029</td>
<td>Synovium Elevator</td>
</tr>
<tr>
<td>81040</td>
<td>Sterilization Tray</td>
</tr>
<tr>
<td>81061</td>
<td>Hamate Finder Coequal to Disposable Blade Assembly</td>
</tr>
<tr>
<td>81151</td>
<td>Autoclavable Endoscope Light Post Adapter, Storz</td>
</tr>
<tr>
<td>81152</td>
<td>Autoclavable Endoscope Light Post Adapter, Wolf</td>
</tr>
</tbody>
</table>

---

MicroAire Surgical Instruments LLC  
1641 Edlich Drive  
Charlottesville, VA 22911  
USA  
(800) 722 0822  
(434) 975 8000  
Fax: (800) 648 4309  
Fax: (434) 975 4131  
www.microaire.com  

©2009, MicroAire Surgical Instruments LLC. All rights reserved. CTRS_Order_3.09_RevA.