

SmartRelease™ ECTR

Endoscopic Carpal Tunnel Release



Minimally invasive endoscopic treatment
for Carpal Tunnel Syndrome

SmartRelease™
Endoscopic Carpal Tunnel Release **ECTR**

MICROAIRE®

SmartRelease™ ECTR Endoscopic Carpal Tunnel Release System

- ▶ Easy to learn, simple to use.
- ▶ Documented safety and efficacy.^{1,2,3}
- ▶ Complete set of custom instrumentation.
- ▶ Surgical protocol developed and tested by a panel of hand surgeons.
- ▶ Improved patient satisfaction—less pain, smaller scar and quicker recovery.^{1,2}
- ▶ Disposable blade assembly features a retractable blade that rises straight up, without curving outward.
- ▶ Designed exclusively for transecting the transverse carpal ligament.
- ▶ Direct view of the underside of the transverse carpal ligament and surrounding anatomy.
- ▶ Assembly rotates to accommodate right- or left-handed surgery.
- ▶ 3.0mm eyepiece endoscope connects to a standard camera coupler.
- ▶ Hamate finders prepare a path for the blade assembly.

*Minimally invasive,
single-portal
technique*



81014 SmartRelease™ Aluminium Handpiece

- ▶ Aluminum, pistol-grip handpiece.
- ▶ Endoscope slides into position from the back; Blade assembly click-locks onto the front.
- ▶ Turn-latch on top of the instrument allows blade assembly to be rotated for right- or left-hand surgery; and locks the blade in any position along the rotation axis.



81025 3.0mm Eyepiece Autoclavable Endoscope

- ▶ Autoclavable endoscope.
- ▶ Storz® and Wolf® light-post adapters.





81010-1
Disposable Blade Assembly (single)

81010-6
Disposable Blade Assembly (6-pack)

- ▶ Sterile package.
- ▶ Window at the tip of the assembly provides direct view of the transverse carpal ligament and surrounding anatomy.



82020-1
Disposable SlimLine Blade Assembly (single)

82020-6
Disposable SlimLine Blade Assembly (6-pack)

- ▶ Prow-shaped tip designed for better tissue dissection.
- ▶ Innovative shape is 30% slimmer as compared to 81010 blades.
- ▶ Improved larger endoscopic field of view.

81029
Synovium Elevator



- ▶ Separates the synovium from the underside of the transverse carpal ligament for better identification of the anatomy.

81061
Hamate Finder – Coequal to Blade Assembly



81026
Hamate Finder – Small



81027
Hamate Finder – Medium



- ▶ Instruments prepare a path for the blade assembly.
- ▶ Assist in locating the distal margin of the transverse carpal ligament.

81040
Sterilization Tray for SmartRelease™ ECTR

- ▶ High-quality, medical-grade polymer with silicone insert and stainless steel latches.
- ▶ High impact strength, durable construction.
- ▶ Withstands repeated sterilization cycles for major sterilization methods.
- ▶ Accommodates handpiece, synovium elevator, hamate finders, endoscope, and light post adapters.
- ▶ Additional space for surgical instrumentation and autoclavable camera & light cables.
- ▶ 24.89cm x 52.32cm x 5.08cm



SmartRelease™ ECTR Parts and Accessories

81000 Series Components

81014	SmartRelease™ ECTR Aluminum Handpiece
81026	Hamate Finder - Small
81027	Hamate Finder - Medium
81061	Hamate Finder Coequal to Disposable Blade Assembly
81029	Synovium Elevator
81040	Instrument Sterilization Tray
81025	3.0mm Eyepiece Autoclavable Endoscope
81020N	Video Endoscope (Non-Autoclavable)

Disposable Blades

81010-6	Disposable Blade Assembly (1 Box, 6 Blades)
81010-1	Disposable Blade Assembly (1 Blade)
82020-6	Disposable SlimLine Blade Assembly (1 Box, 6 Blades)
82020-1	Disposable SlimLine Blade Assembly (1 Blade)

Refurbished Endoscopes*

81025A	Refurbished 3.0mm Eyepiece Autoclavable Endoscope
81020	Refurbished Video Endoscope Non-Autoclavable

* Refurbished endoscopes are sold only with a core scope exchange

Parts & Accessories

81151	Endoscope Light Post Adapter, Storz®/Olympus® fitting
81152	Endoscope Light Post Adapter, Wolf®/Dyonics® fitting
81057	Endoscope Protective Sleeve (Non-Autoclavable)

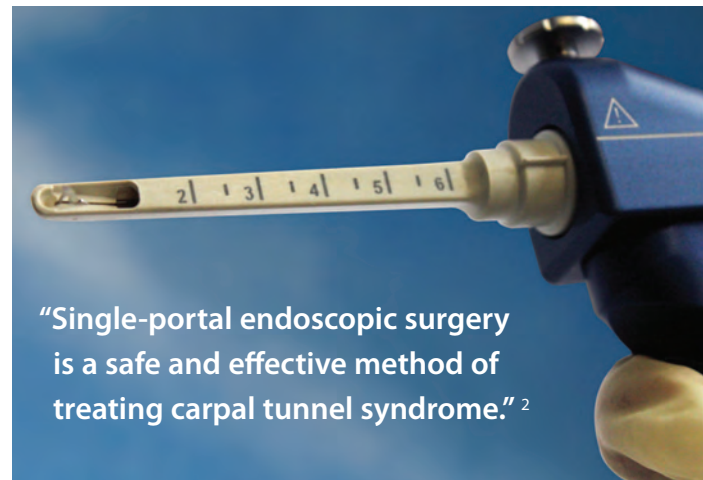
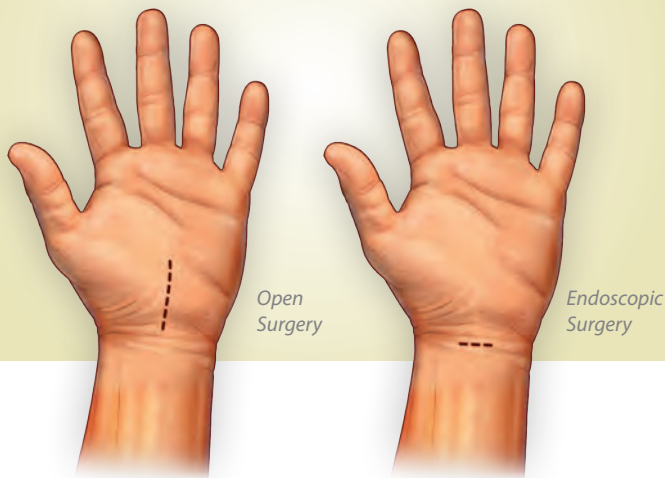
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Single-portal Endoscopic Surgery is a minimally invasive procedure that reduces post-operative pain by avoiding an open incision extending from the wrist across to the palm. Endoscopic Surgery is highly effective and has been used for more than 20 years. It results in less post-operative pain, a minimal scar concealed by a wrist crease, and generally allows patients to resume some normal activities in a short period of time.^{1,2}



“Single-portal endoscopic surgery is a safe and effective method of treating carpal tunnel syndrome.”²

¹ “Endoscopic carpal tunnel release: a comparison of two techniques with open release.” Palmer DH, Paulson JC, Lane-Larsen CL, Peulen VK, Olson JD. *Arthroscopy: The Journal of Arthroscopic and Related Surgery*. 1993; 9(5):498-508

² “Single-Portal Endoscopic Carpal Tunnel Release Compared with Open Release.” Trumble TE, Diao E, Abrams RA, Gilbert-Anderson MM. *The Journal of Bone & Joint Surgery*. 2002; 84:1107-1115

³ “Results of Endoscopic Carpal Tunnel Release Relative to Surgeon Experience With the Agee Technique” Beck JD, Deegan JH, Rhoades D, Klena JC. *Journal of Hand Surgery*, 2011; 36A:61-64

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