A breakthrough in carpal ligament release
The superiority of a closed procedure with the advantage of constant visualization

Developed with Dr. James C.Y. Chow, the Smith & Nephew ECTRA® II Carpal Ligament System allows endoscopic access and release of the carpal ligament with complete visualization control.

ECTRA knives permit the surgeon to determine both the direction and depth of cut. The key to this system is ECTRA’s slotted cannula. It permits access to the ligament via two portals, which allows cutting from either the distal or proximal end while minimizing endoscopic lens fogging with good airflow. ECTRA II can also be used in the release of the plantar fascia ligament.

Precision instruments in a convenient, disposable kit

**Probe knife**  
Patented design permits release of the distal aspect of the ligament while protecting palmar neurovascular structures. This is achieved by the forward cutting action that allows the surgeon to cut proximally. The knife’s blunt top and proximal edge allow palpation to dissect synovium and precisely locate the ligament’s edge.

**Triangle knife**  
Allows the controlled upward cut, creating a central opening to insert the retrograde knife. This exacting tool may also be used for follow-up cuts if needed, dissecting one fiber at a time under visualization.

**Retrograde knife**  
Effectively cuts the ligament without damaging the palmaris brevis. Unique design with polished leading tip and upper curve glides between ligament and muscle while feeding the ligament into the cutting edge of the knife’s lower curve.

**Hand pad**  
Cushions the back of the hand for the patient’s comfort.

**Swabs**  
Allow surgeon to eliminate condensation without removing endoscope.
ECTRA II System allows endoscopic carpal tunnel access

**Palmar arch suppressor**
Serves to depress and protect the palmar arch and receive the obturator tip as it exits the second portal.

**VideoEndoscope**
Prevents light guide from interfering with the forearm by providing a light post on the same side as the direction of view. This endoscope is available in an eyepiece or 35 mm video format.

**Slotted cannula**
Permits endoscopic surgery via two portals.

**Detachable handle**
Attaches to the obturators, each mating perfectly with the slotted cannula for smooth insertion into the carpal tunnel – dissecting, boat nose and conical.

**Dissecting obturator**
Aggressively clears the underside of the carpal ligament.

**Boat nose obturator**
Provides minimal dissection and easy distal exit.

**Conical obturator**
Promotes easy distal exit.

**Hand holder**
Maintains hand in proper hyperextended position to open tunnel. Snaps on to tray for convenient system storage.

**Probe**
Palpates the transverse carpal ligament.

**Blunt curved dissector**
Assists surgeon in identifying/clearing proximal edge of the transverse carpal ligament.

**Ragnell retractors (2)**
Provide surgeon with control to hold entry portal open prior to cannula placement.
Ordering Information

Disposable Procedure Kit
4116  ECTRA® II Procedure Kit, single-use, disposable
  Contents: Probe knife, retrograde knife, triangle knife, hand pad, swabs
4447  Probe knife (box of 6)
4448  Triangle knife (box of 6)
4449  Retrograde knife (box of 6)

ECTRA II System and individual components
4143  ECTRA II System (35 mm VideoEndoscope)
4143  ECTRA II System (direct view)
3896  VideoEndoscope, 35 mm
4144  Direct view endoscope
4120  Slotted cannula
4432  Detachable obturator handle
4433  Conical obturator
4434  Boat nose obturator
4435  Dissecting obturator
4101  Blunt dissector, curved
4452  Ragnell retractor
  (2 included with the system)
3856  Probe
4283  Palmar arch suppressor
4450  Hand holder/sterilization tray with cover
4141  Hand strap
4453  ECTRA II Obturator Set
  Contents:
  4432  Detachable obturator handle
  4433  Conical obturator
  4434  Boat nose obturator
  4435  Dissecting obturator
1030040  Illustrated guide to endoscopic release of the carpal ligament
4124  Videotape:
  ECTRA II, the Modified Chow Technique