



VCARE

VAGINAL – CERVICAL AHLUWALIA'S RETRACTOR - ELEVATOR



VCARE - UTERINE MANIPULATOR

**A Specialized Instrument to aid the Ob/Gyn
Surgeon in performing
LAVH, LSH or TLH.**

Not Just another Uterine Manipulator!!!!!!



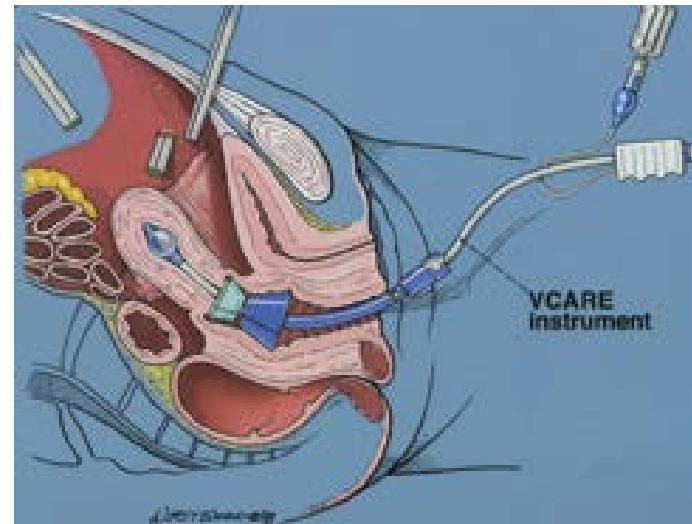
VCARE - PROCEDURES

- **LAVH - Laparoscopically-Assisted Vaginal Hysterectomy**
- **LSH- Laparoscopic Supracervical Hysterectomy**
- **TLH - Total Laparoscopic Hysterectomy**



VCARE – DESIGN HIGHLIGHTS

- Handle size and shape designed for comfortable grip and tactile direction.
- Outer curve allows VCare® handle to be easily accessible above the patients thigh.
- Inner curve follows a parallel line to the pelvic (sacral) curvature.



VCARE – FORWARD CUP

- Available in 4 sizes (ID'd on the Cup)
 - Small (60-6085-200) – 32mm Diameter
 - Medium (60-6085-201) – 34mm Diameter
 - Large (60-6085-202) – 37mm Diameter
 - XL (60-6085-203) – 40mm Diameter

- Bright Green for contrast with cervical tissue during the colpotomy.

- Harmonic Compatible Material
 - Same material used on the passive jaw of harmonic instruments

- Suture holes at 90° increments



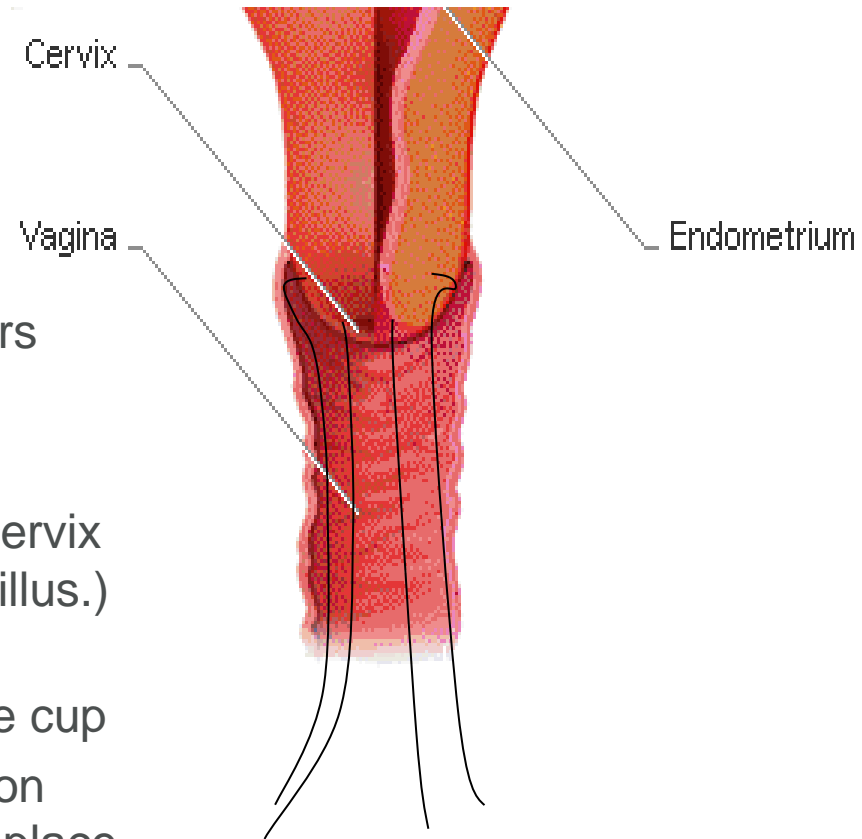
VCARE – HARMONIC COMPATIBLE

- Tips for minimizing damage to the cup when using harmonics
 - Whenever possible contact the cup using the stationary or non-active jaw of the shears.
 - Avoid burying the tip of the instrument directly into the cup (this isn't good for the harmonic instrument either).
 - Avoid grasping the cup within the jaws of the harmonic shears (or any shears, for that matter).
 - For best results, position the instrument tips so they work laterally across the top of the cup (versus perpendicular into the cup). This can be best accomplished by using a lateral port when performing the anterior and posterior colpotomy and using the medial (or superpubic) port while incising the lateral portions of the colpotomy.



VCARE – SUTURING THE FORWARD CUP

- Why
 - Enhanced Manipulation
 - Extraction of the Uterus
- Who
 - Estimated 30-35% of Users
- How
 - Pass suture through the cervix at 2 points 180 apart (see illus.)
 - Pass sutures through corresponding holes in the cup
 - Insert VCare, inflate balloon and advance the cup into place
 - Tie off the suture, advance the rear cup and tighten the nut



VCARE – ADDITIONAL FEATURES

- Rear (Blue) Cup
 - Prevents loss of pneumo during colpotomy
- 10 cc Internal Balloon
 - Retention in the uterine cavity
- External (Pilot) Balloon
 - Indicates intra-uterine balloon function
- Injection Port
 - For chromopertubation (tubal patency)
- Graduated shaft
 - Aid in insertion depth



VCARE – PROCEDURAL BENEFITS

- Displaces cervix away from ureters
- Displaces bladder anteriorly
- Displaces sigmoid colon posteriorly away from uterus
- Defines the colpotomy plane
- Reduces blood loss
- Prevents loss of pneumoperitoneum



VCARE – VALUE PROPOSITION

- VCare is a uterine manipulator that will deliver superior control of the anatomy for better definition of surgical landmarks and provides for safe, easy and a repeatable procedure.



SEEING IS
BELIEVING

3D

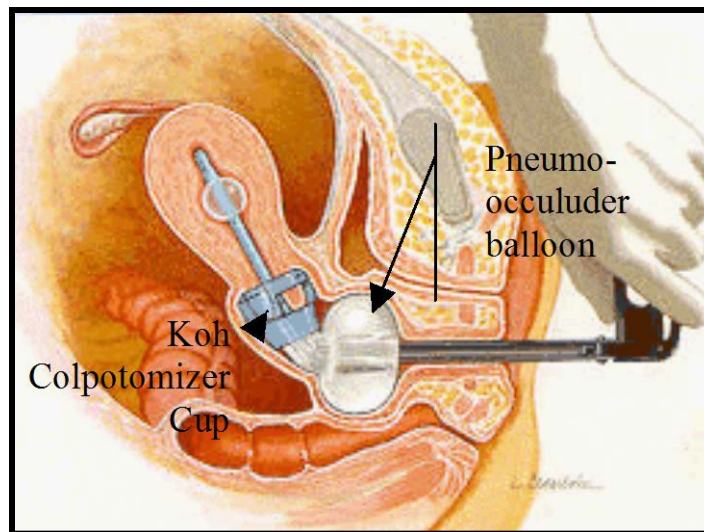


VCARE - COMPETITION



COOPER SURGICAL KOH – RUMI II

- Comes in 3 pieces – reusable system
- Reusable Handle \$450
- Disposable Balloon Tip \$35 – 4 different disposable tip sizes (6cm (2), 8cm and 10cm)
- Reusable Cups (Stainless Steel & Ultem Polymeric resin) \$150 available in 6 sizes (3mm, 3.5mm, & 4mm)



KOH – RUMI II WEAKNESSES

- Several components
 - Takes to much time to assemble
- Poor Manipulation
 - Limited movement of the uterus in all directions
- Expensive



SEEING IS
BELIEVING

3D

RUMI ARCH II

- Reposable System
- Reusable handle
- Disposable tip
- Disposable Balloon Occluder / Cup



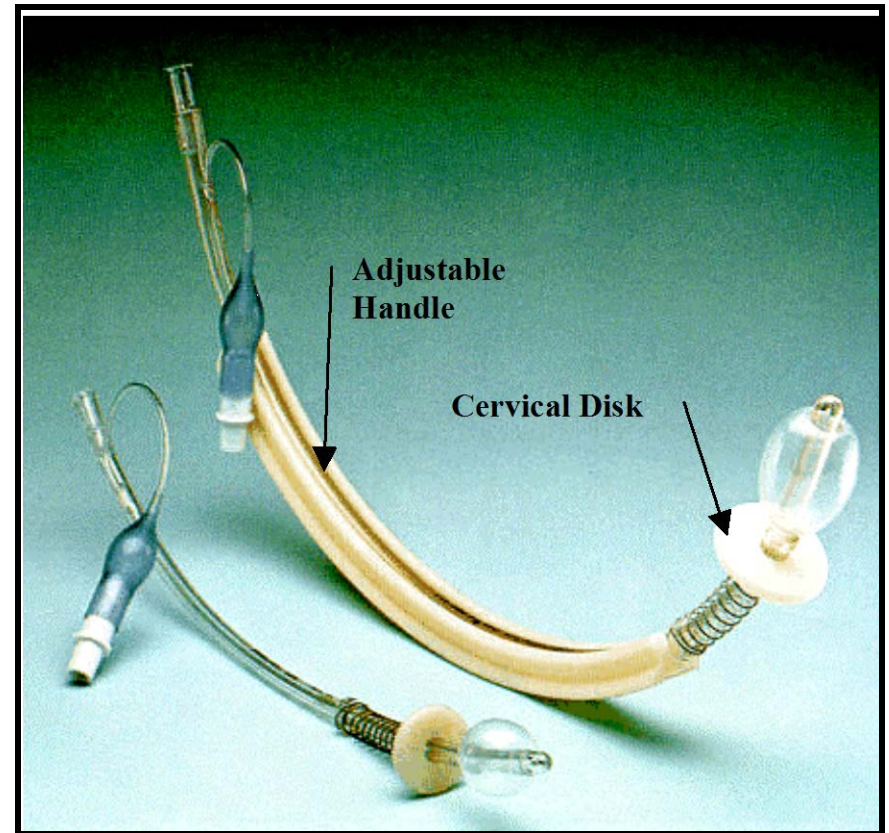
THE O.R. COMPANY - MANIPULATOR PRO

- VCare Knock-off
 - Same 2-Cup System (Forward and rear)
 - 5 Forward Cup Sizes
 - Same Graduation Marks
- Differences:
 - Very poor (non-existent) Handle
 - Non-compatible Cup Material
 - Cheaper insulation



COOPER SURGICAL HUMI/ZUMI

- Both modified endo-trach tube
- Uterine retention balloon
- Price \$24- \$34



HUMI/ ZUMI WEAKNESSES

Does not have a cup to assist in defining the site for the colpotomy.

The “adjustable handle” is a rigid plastic shaped in the preformed arc of the sacral curve.

Tube can snap on and break.

Handle too short to manipulate.



CLINICAL INNOVATIONS - CLEARVIEW

- Is both a uterine manipulator and a uterine injector designed for single use.
- Is made with an elastomeric tip to reduce perforation risk and can perform all manipulations with patient in the supine position.
- No assistant is needed to hold the manipulator.
- The device has a balloon seal for chromotubation



CLEARVIEW WEAKNESSES

- **No colpotomy guide**
- **No way to prevent loss of pneumo**
- **Poor handle design**
- **Not well supported by sales force**



REUSABLES

Valtchev, Cohen

- Disadvantages
 - “Crude” form of a manipulator
 - Limited movement of uterus
 - Cannot maintain pneumoperitoneum
 - No colpotomy guide
 - Cumbersome to clean, sterilize and assemble

