Prophylactic vaginal apex suspension at the time of hysterectomy

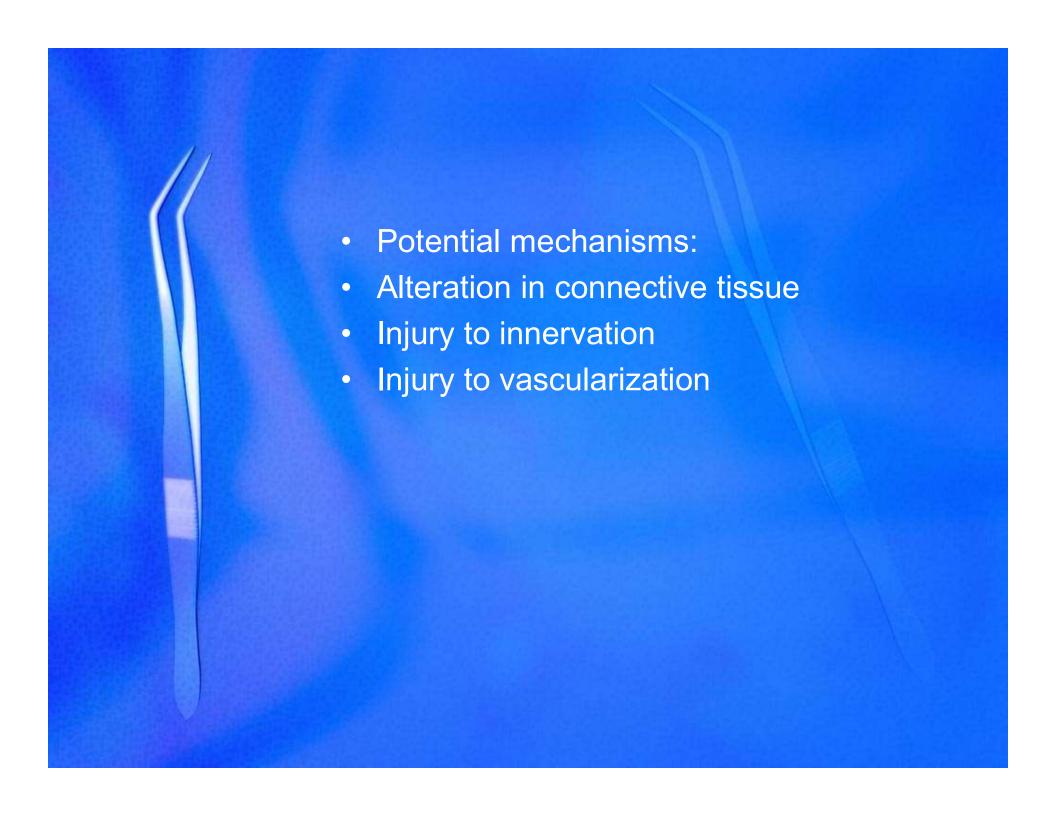
دکتر مریم حاجی هاشمی دانشیار دانشگاه علوم پزشکی اصفهان فلوشیپ اختلالات کف لگن

- study of a United States:
- over 2.7 million benign inpatient hysterectomies performed between 2004 and 2013 for a diagnosis other than prolapse, only 3 percent had a concomitant prophylactic apical support procedure.
- The risk of future prolapse appears to be highest when hysterectomy is performed in women with existing prolapse

A retrospective review:

2500 hysterectomies at a tertiary care hospital:

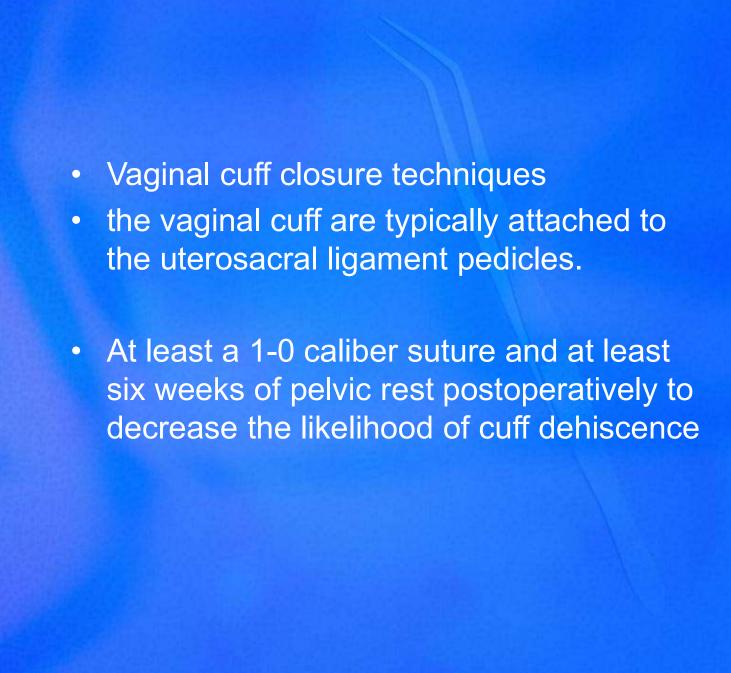
- 55 percent had a concomitant apical support procedure
- procedures performed without apical suspension: 96 percent were performed by general gynecologists
- 96 percent of hysterectomies performed by urogynecologists also included an apical procedure.
- National Quality Forum selected vaginal apical suspension at the time of hysterectomy: prolapse quality indicators for United States hospitals



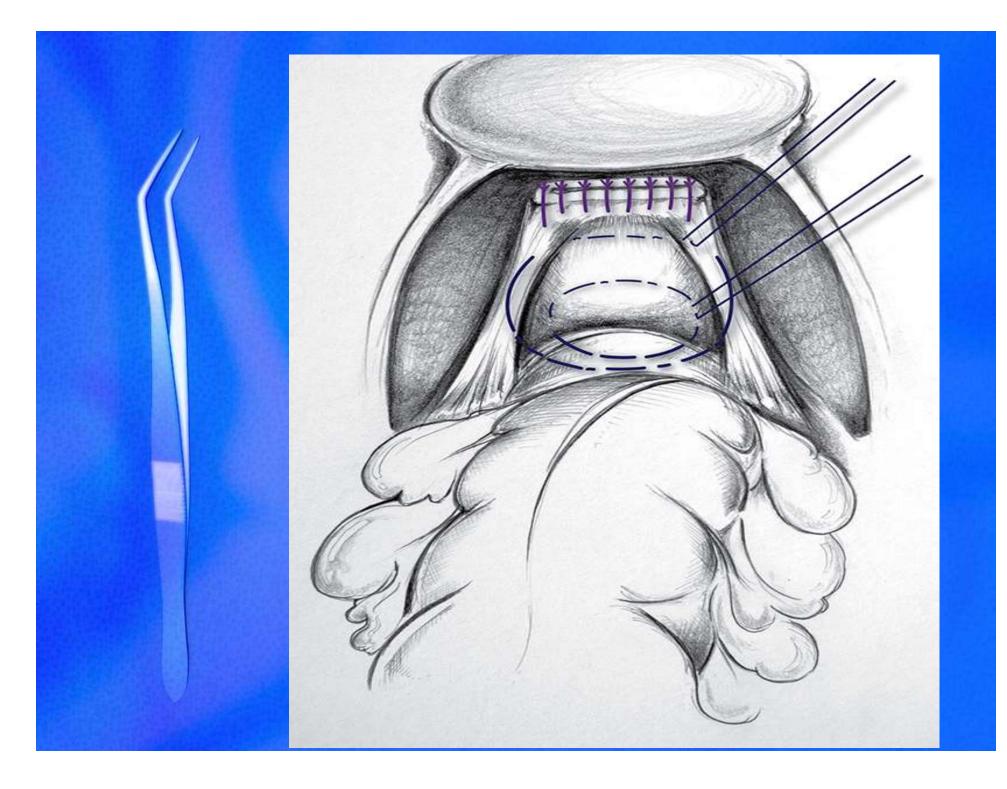
laparoscopic hysterectomy may be associated with an increased risk of posthysterectomy POP because the traditional technique of clamping and suturing has largely been replaced with electrosurgical devices, which do not incorporate the uterosacral complex into the cuff closure.

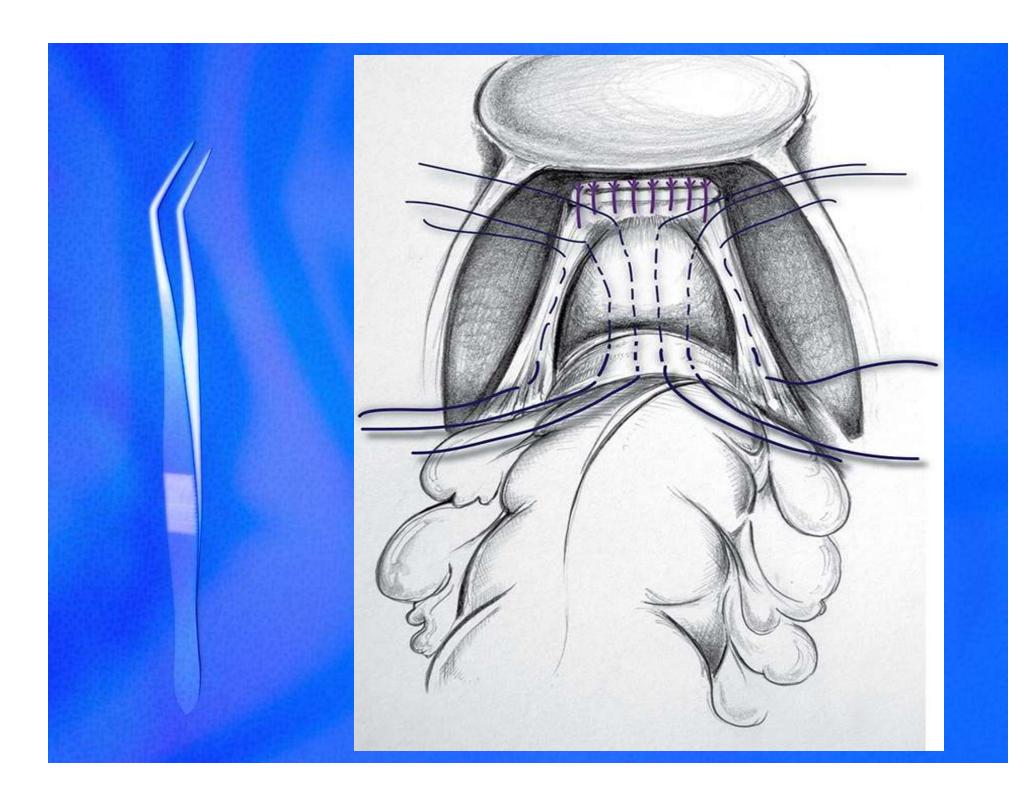
PROPHYLACTIC SUSPENSIONS

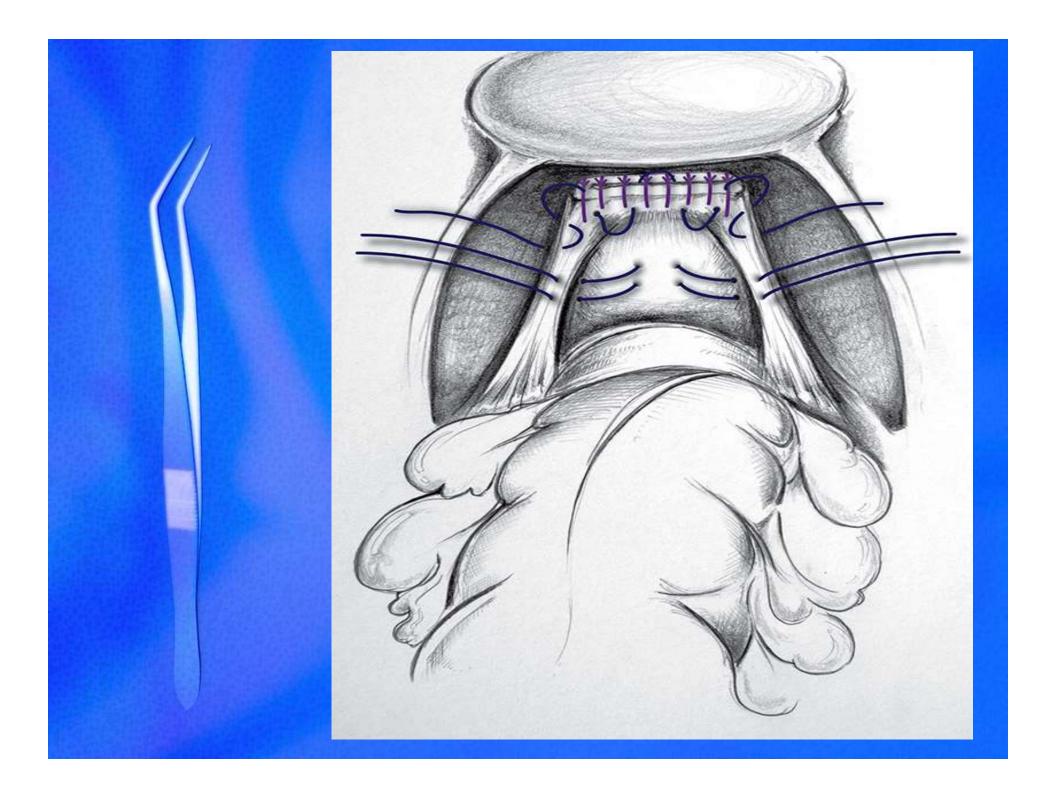
- Incorporation of the uterosacral ligaments into the cuff closure
- Culdoplasty
- Ligamentous suspensions

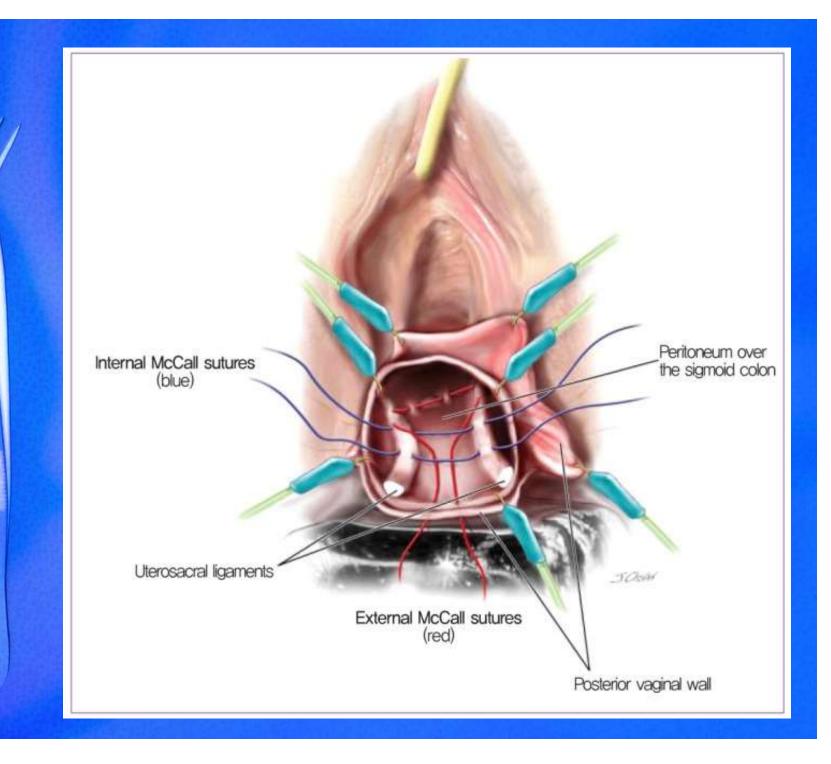


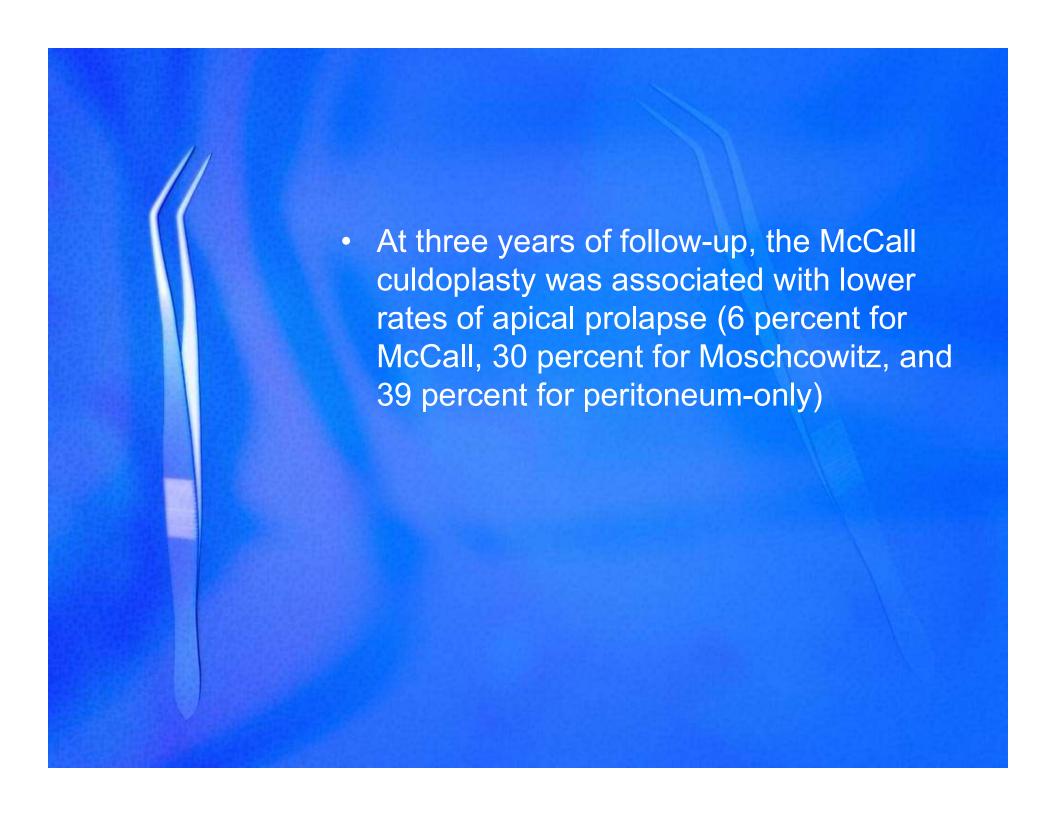
Culdoplasty During vaginal and abdominal hysterectomy Little additional time Low risk Cystoscopy





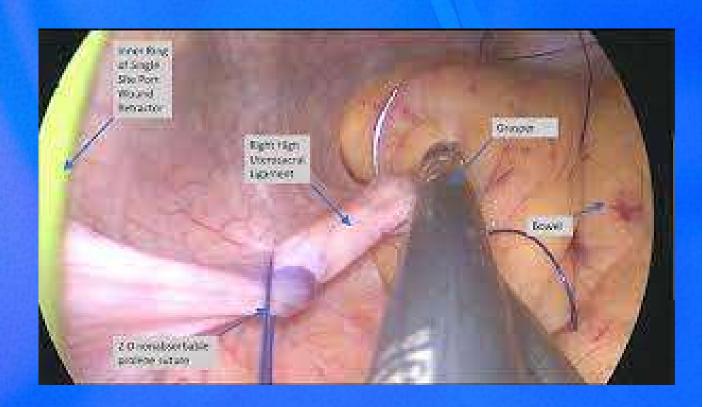


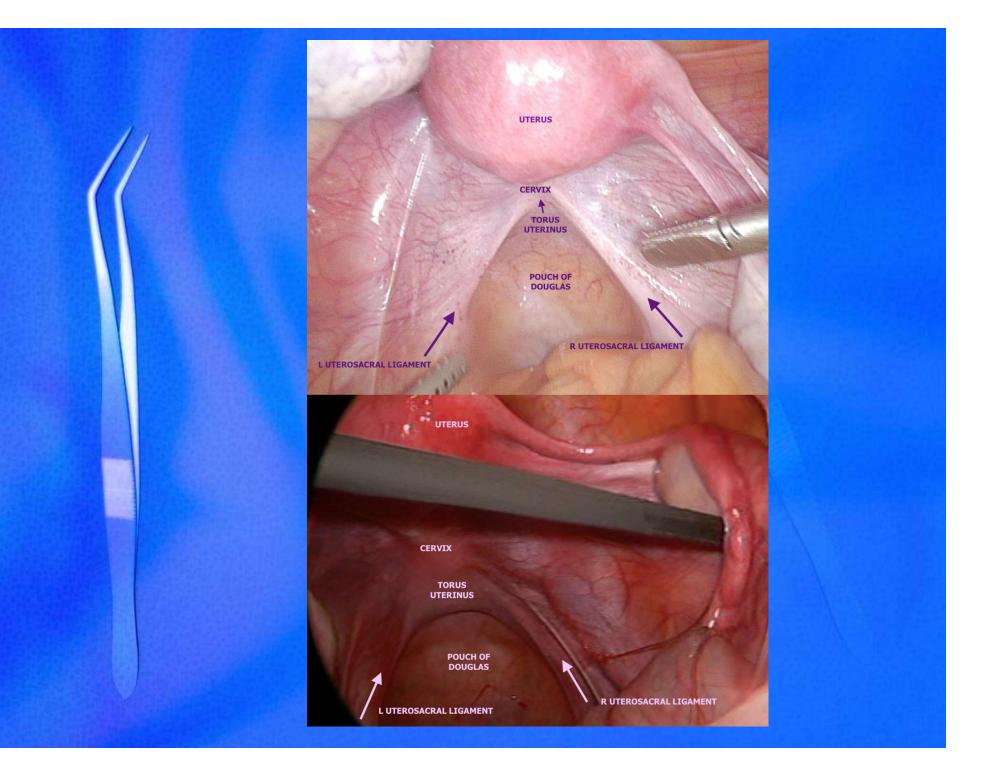


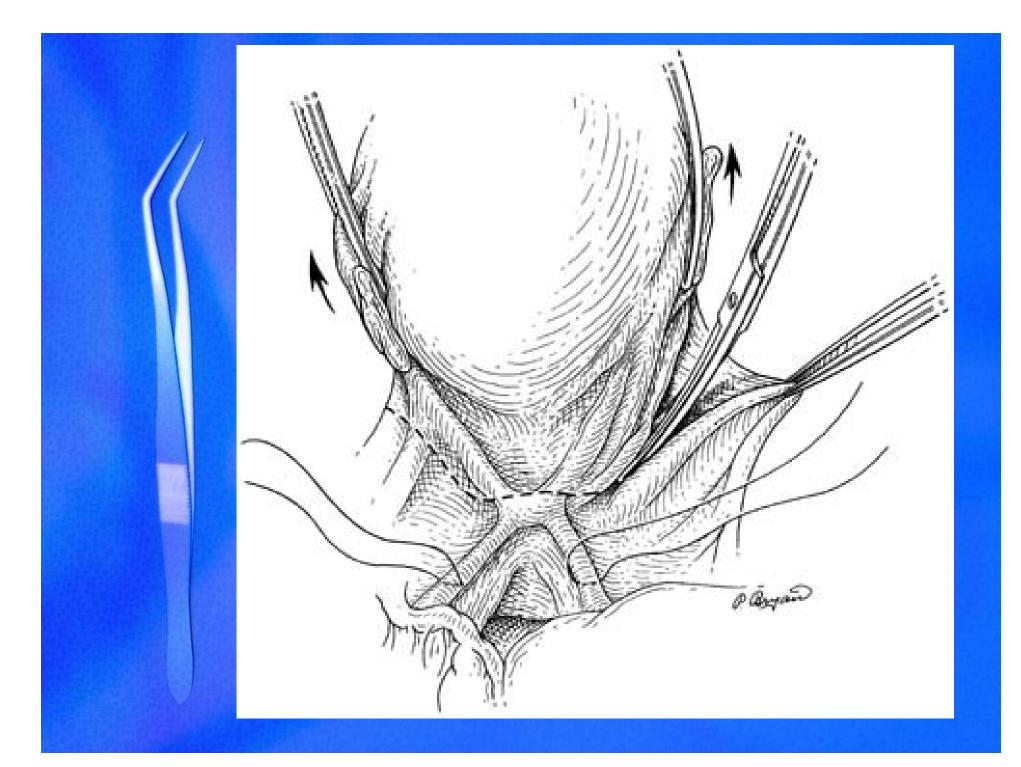


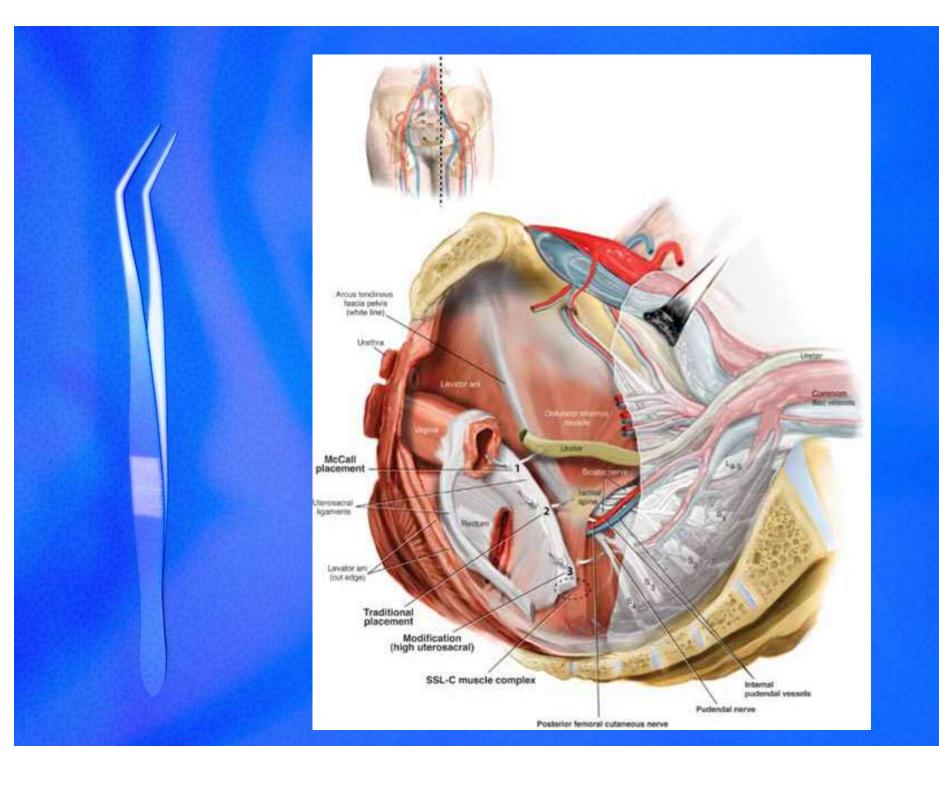
Ligament suspension procedures

Uterosacral ligament suspension

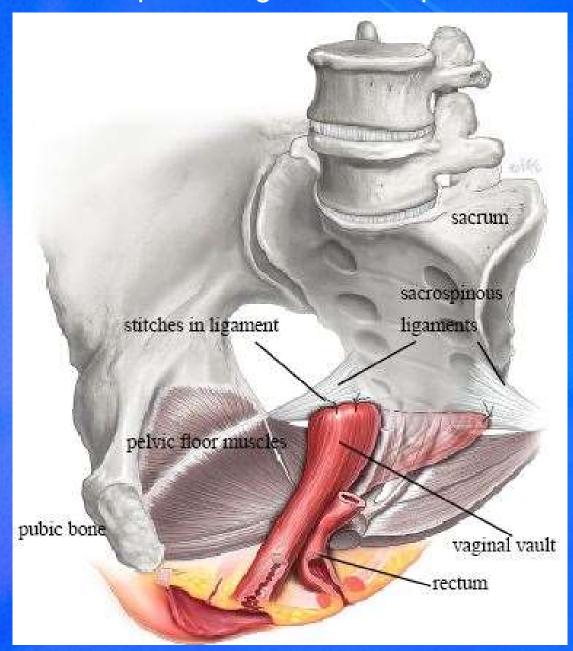








sacrospinous ligament suspension



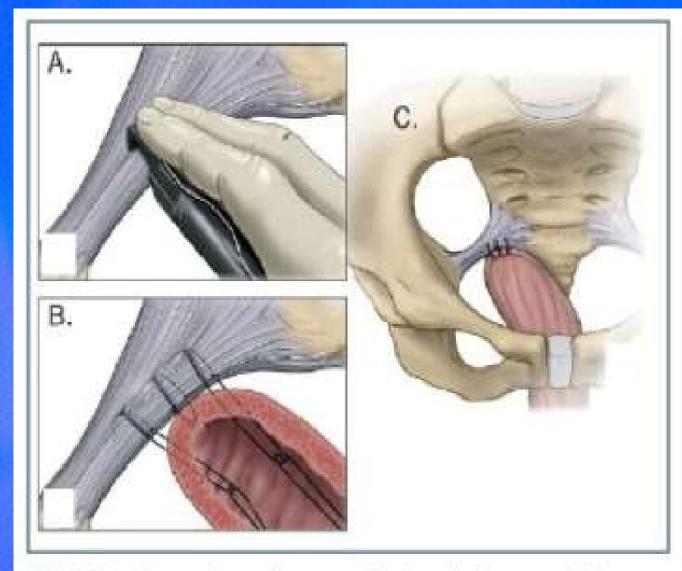
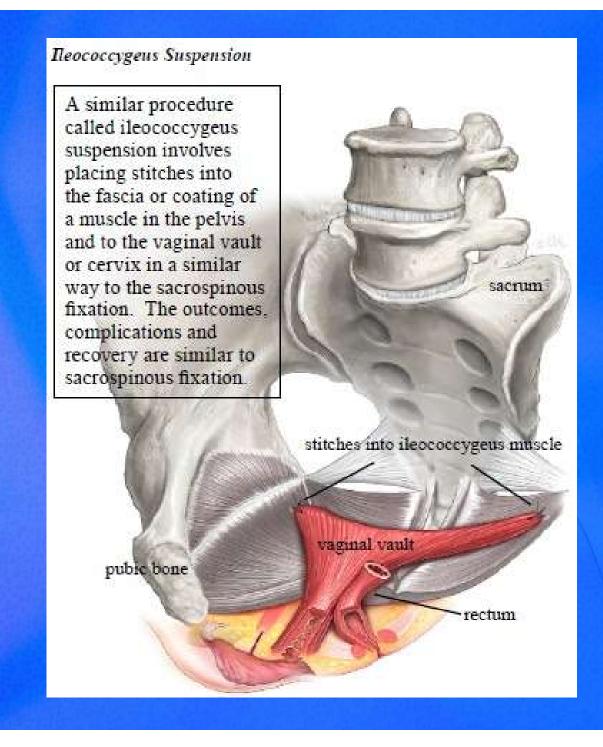


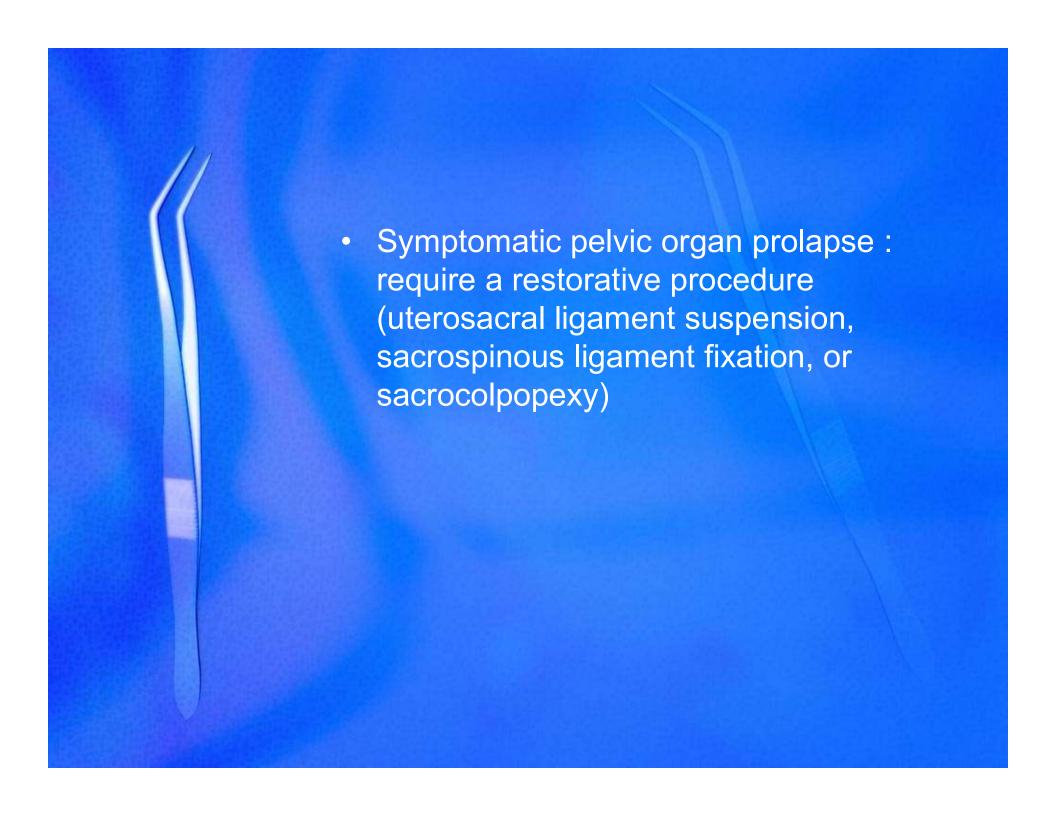
FIGURE 3. Sacrospinous ligament fixation. A. Passage of the suture-capture device; B. Sutures placement; C. Final attachment of the vagina to the ligament complex



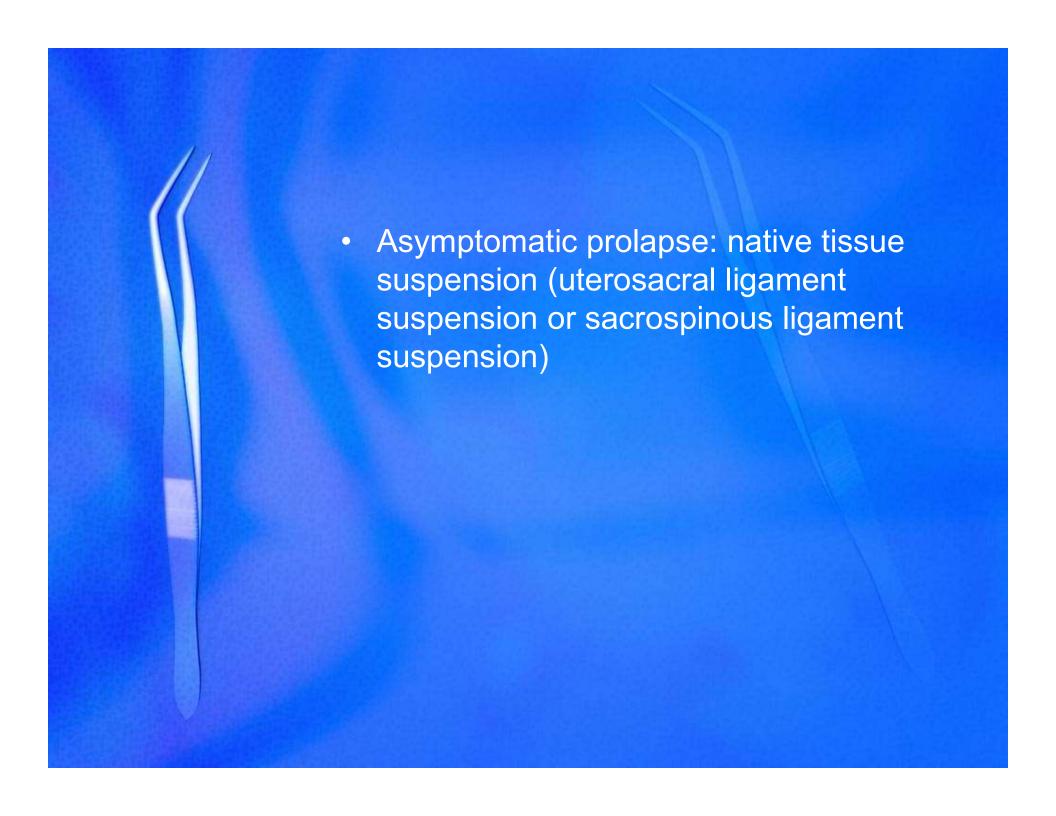
Management

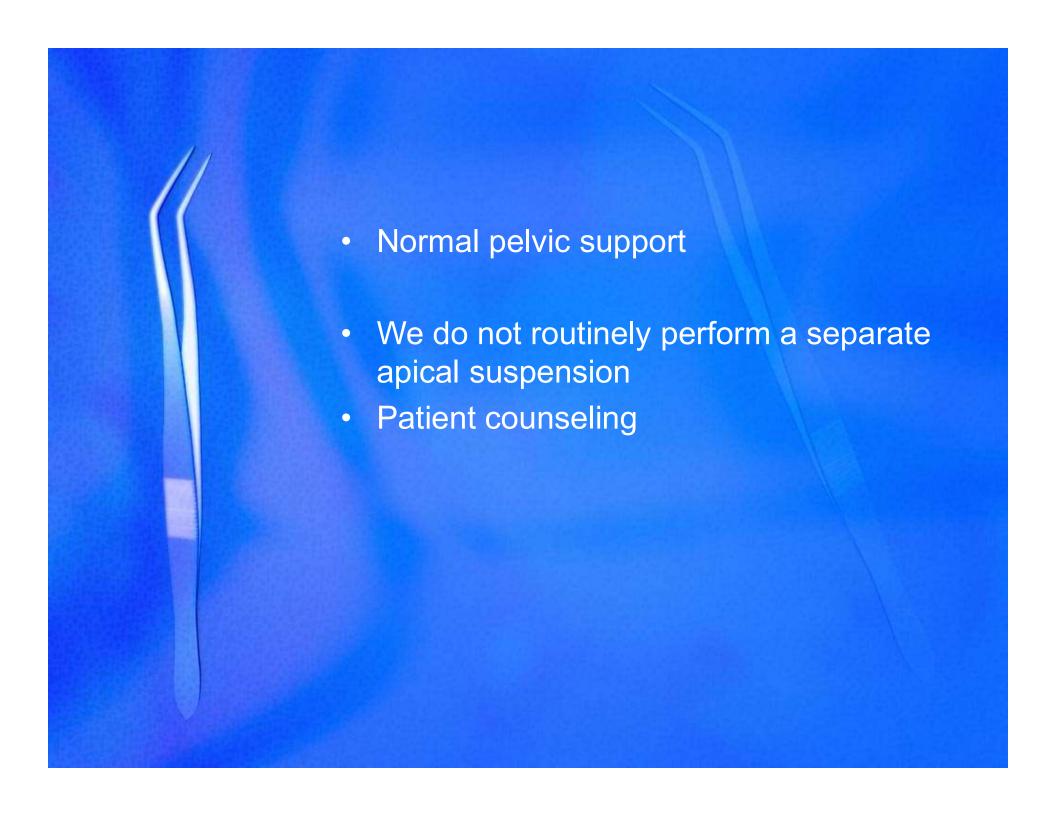
 Before hysterectomy: evaluate women for pelvic organ prolapse

- Symptomatic pelvic organ prolapse
- Symptoms, no apical prolapse
- Asymptomatic prolapse
- Normal pelvic support









- Prolapse risk factors
- family history of POP
- previous vaginal delivery
- Menopause
- advancing age
- prior pelvic surgery
- connective tissue disorders
- elevated intra abdominal pressure (obesity, chronic constipation, chronic cough)



