

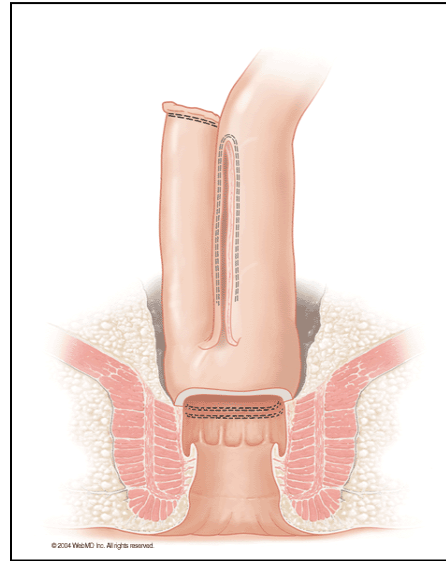
## COMPLICATIONS OF ILEAL J-POUCH

### Early complications:

- Bowel obstruction
- Pouch bleeding
- Pelvic and wound sepsis
- Transient urinary dysfunction
- Dehydration from high output stoma

### Late complications:

- Stricture of anastomosis
- Fistula (anal and vaginal)
- Poor anorectal function
- Pouchitis (18 & 48% at 1 and 10 years)
- Prolapse



### Outcome of pouch-related complications after ileal pouch-anal anastomosis

Dayton, MT, Larsen KP, 1997

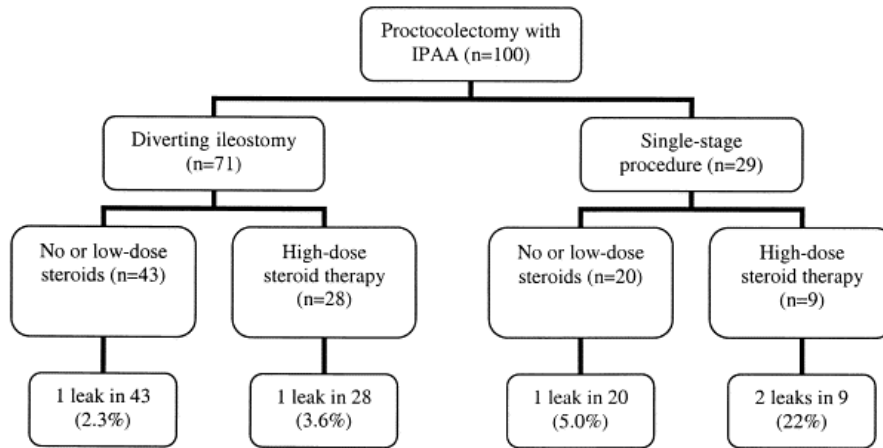
- Retrospectively looked at 510 IPPA
- 5.3 % complication associated with pouch (n=27)
- 81% had UC
- Proximal J pouch leak (41%)
  - Present with frank peritonitis or chronic abdominal pain (walled off leak)
  - All pouches preserved; 10 exploratory laparotomy and stapling of leak & 1 drained by IR
  - Oversee the blind limb?
- Distal J pouch or anastomotic leak (30%)
  - Half required surgery & half treated by IR & IV antibiotics
  - All pouches preserves with more BM per day
- Anastomotic disruption (7.4%)
- Recurrent pouch fistulae (7.4%)
- Megapouch (7.4%)
- High stool frequency
- Loss of continence
- Factors that potentially affects pouch leaks
  - Moderate to severe ulcerative colitis
  - Tension on ileal-pouch anastomosis

### Ileo-anal pouch operation: Long-term outcome with or without diverting ileostomy

Mowschenson, PM, Critchlow JF, Peppercorn MA 2000

- 102 underwent single stage...9.8% leak
- Unable to identify factors that predispose to leak
- Diverting ileostomy does not prevent leak but lessen their presentation

Effect of high dose steroids on anastomotic complications after proctocolectomy with ileal pouch-anal anastomosis (Lake et al 2004)



| Comparative study                        | Anastomotic disruption rate | P value* |
|--|-----------------------------|----------|
| <b>Ziv et al.<sup>8</sup> (1996)</b>     |                             |          |
| No or <20 mg prednisone (n = 36)         | 3/36(8.3%)                  |          |
| ≥20 mg prednisone (n = 10)               | 5/10(50%)                   | 0.015    |
| <b>Tjandra et al.<sup>9</sup> (1993)</b> |                             |          |
| No or <20 mg prednisone (n = 43)         | 1/43(2.3%)                  |          |
| ≥20 mg prednisone (n = 7)                | 6/7 (85.7%)                 | < 0.001  |
| <b>Current study</b>                     |                             |          |
| No or <20 mg prednisone (n = 20)         | 1/20(5.0%)                  |          |
| ≥20 mg prednisone (n = 9)                | 2/9 (22.2%)                 | 0.44     |

#### Diagnosis of pouch leak

- CT scan
- Pouchagram
- EUA

#### Management

- Drainage of collection
- Antibiotics
- Diverting ileostomy and exploration of pouch

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