

PELVIC EXENTERATION

WHEN EVERYTHING NEEDS TO GO

1

BIOGRAPHY

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2

DISCLOSURES

No Disclosures or Financial Conflicts

3

OVERVIEW

Basics and History

Anatomy

Indications

Complications

Urinary Diversion

QOL and Sexual Function

4

PELVIC EXENTERATION OVERVIEW



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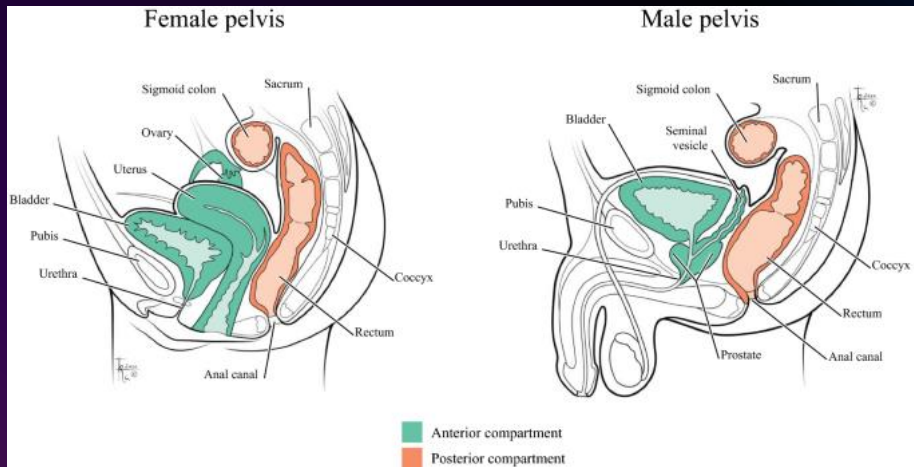
INTRODUCTION

- Multidisciplinary En Block Resection of Pelvic Organs
- Three Types: Anterior vs Posterior vs Complete
- Gastrointestinal, Urologic & Reproductive Components Resected
 - Distal Sigmoid, Rectum and Anus
 - Male: Prostate, Seminal vesicles
 - Female: Uterus, Ovary, and Vagina
 - Urinary Bladder in both sex

6

6

PELVIC EXENTERATION



7

BRIEF HISTORY

Originally Described 1948 for cervical cancer

Limited use in the 1950's

1960's brought medical advancement and new indications

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INDICATIONS

1. Colorectal
2. Gynecologic
3. Urologic
4. Non-Malignant
 - a. Radiation
 - b. Fistula

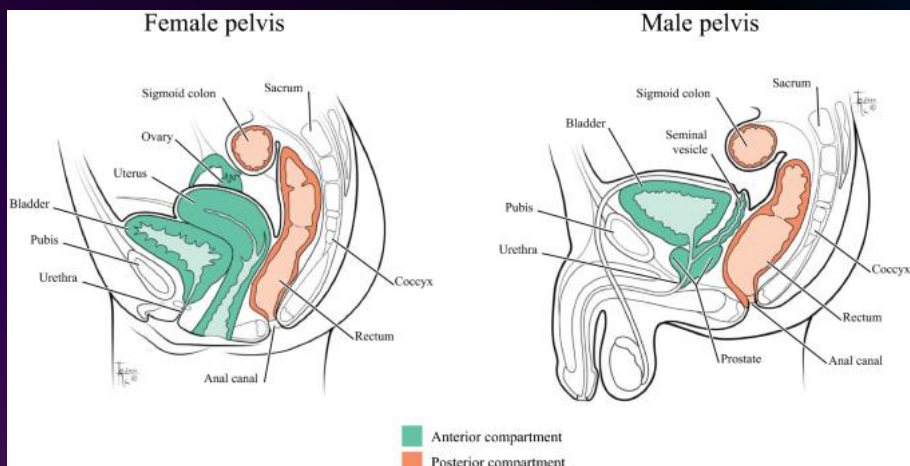
Primary Contraindication: Failure to achieve negative margins in a malignant indication

Patients should be well informed of the potential complications

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PELVIC EXENTERATION



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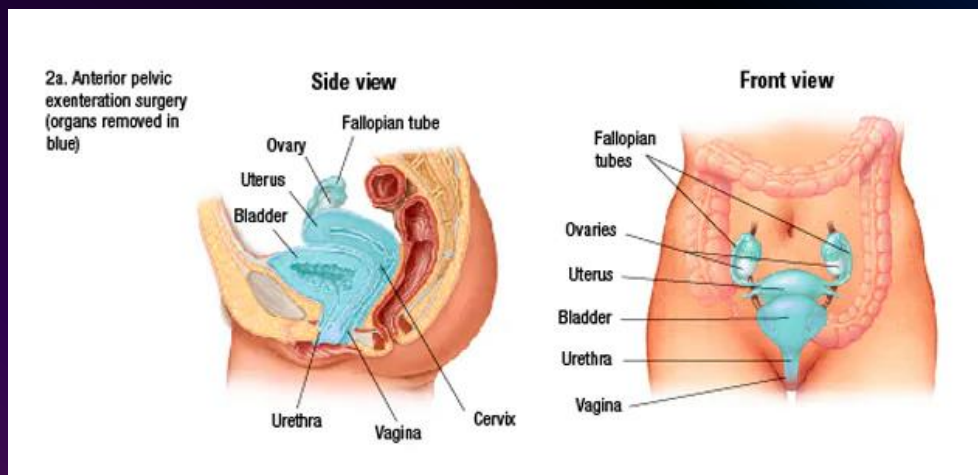
TYPES OF EXENTERATION

- Anterior
- Posterior
- Total

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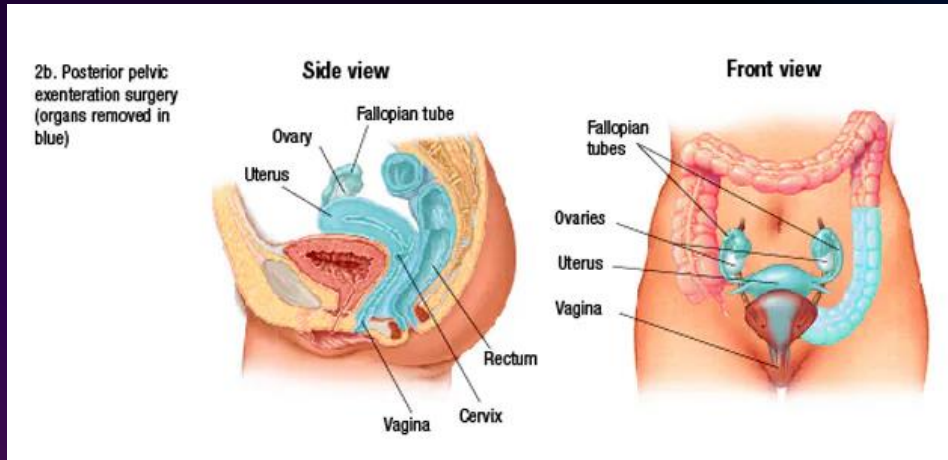
ANTERIOR EXENTERATION



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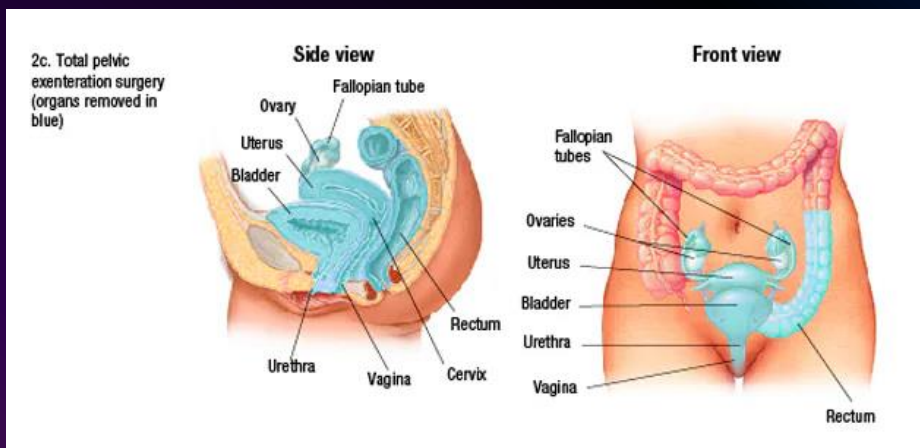
POSTERIOR EXENTERATION



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COMPLETE OR TOTAL PELVIC EXENTERATION



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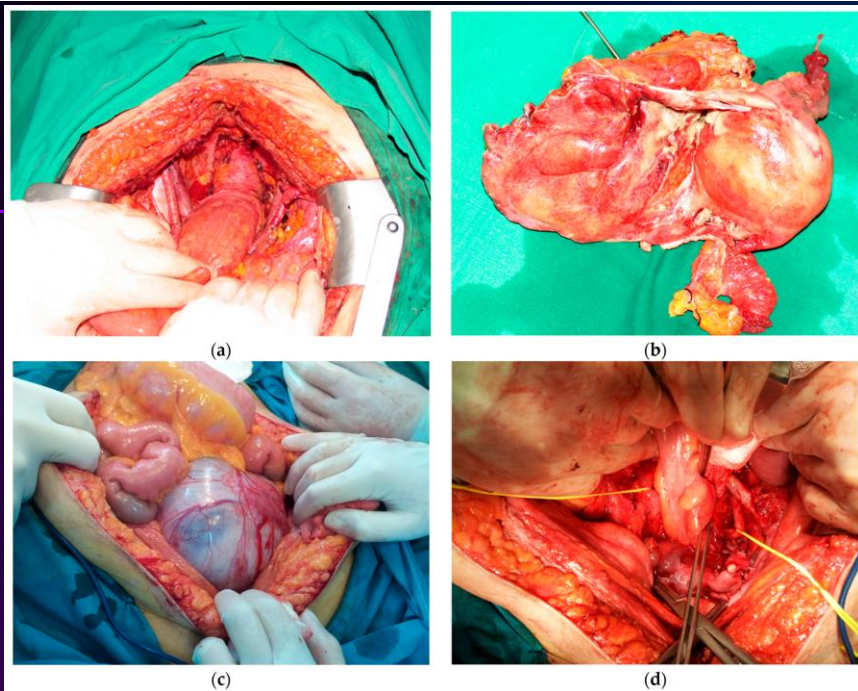
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APPROACH

- Open laparotomy remains standard
- Robotic advances have improved laparoscopic approach

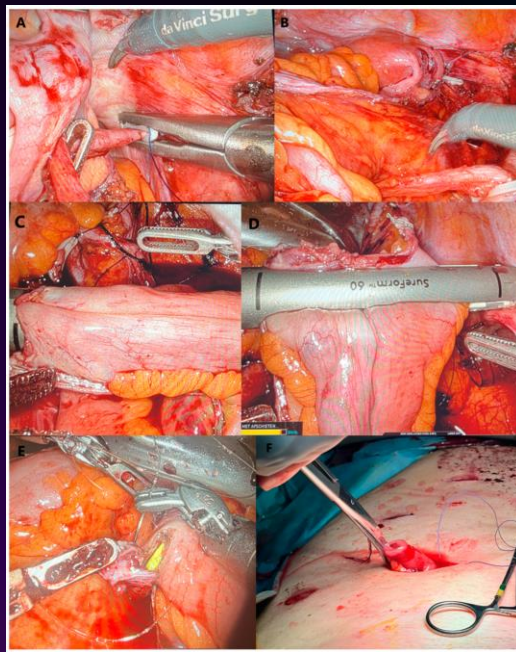
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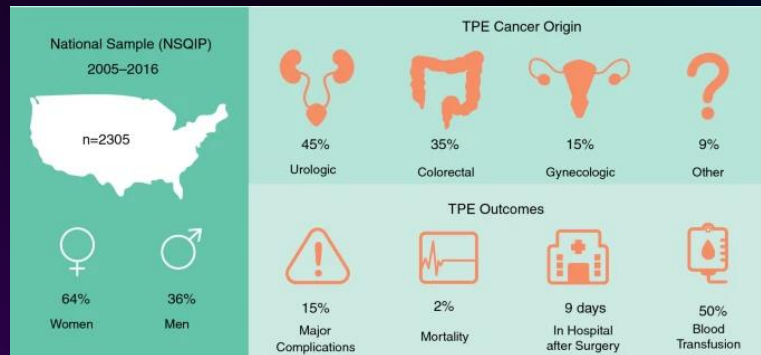
COMPLICATIONS

- One of the largest series, 2020 (Annals of Surgical Oncology)
- NSQIP data 2005-2016
- 2305 patients in the US
 - 33% were colorectal indication
- Overall complication rate roughly 60%
- High Grade 15%
- Mortality 2% (Disseminated Disease)

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COMPLICATIONS



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FACTORS PREDICTING SUCCESS

Malignant: R0 resection

Again: Primary consideration up front

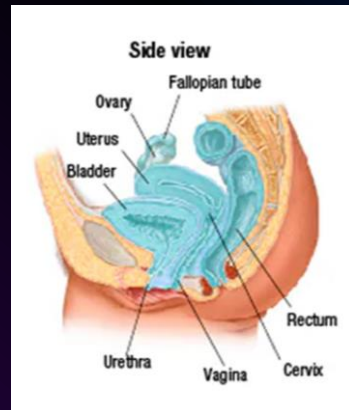
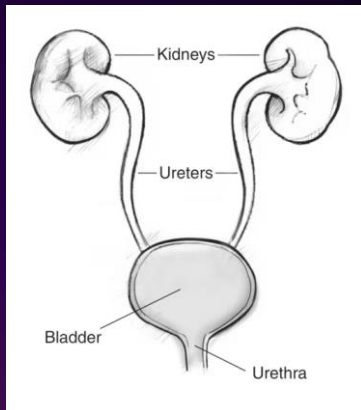
Overall surgical health

Poor Prognosis Triad: Hydronephrosis, Pedal Edema, Sciatic Pain

Generally not performed for palliative intent

20

URINARY DIVERSION



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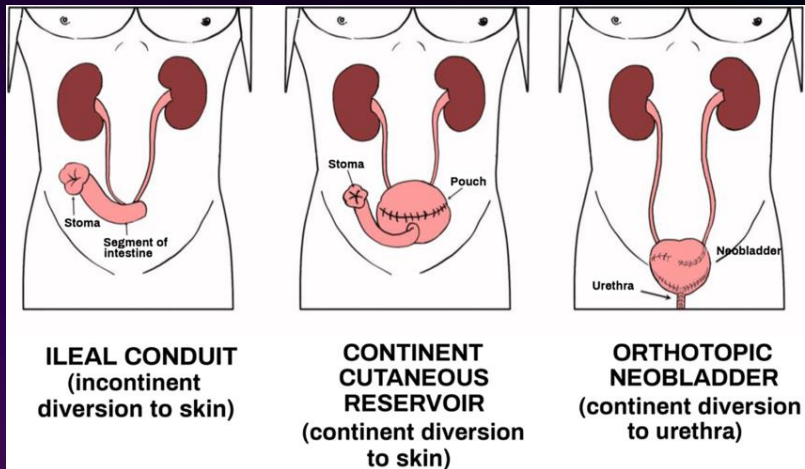
URINARY DIVERSION OPTIONS

- Where so we send the urine??
- Continent and cutaneous or incontinent diversions
- Simple goal to divert urine to a new location
- Vary in degree of complexity and thus complicating factors

22

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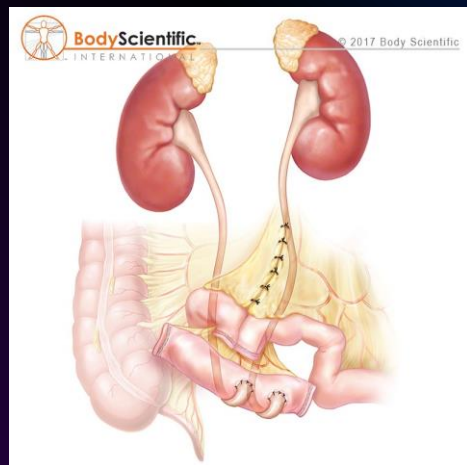
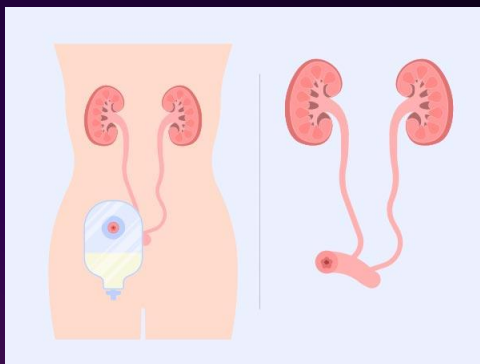
URINARY DIVERSION OPTIONS



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ILEAL CONDUIT URINARY DIVERSION



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ILEAL CONDUIT URINARY DIVERSION



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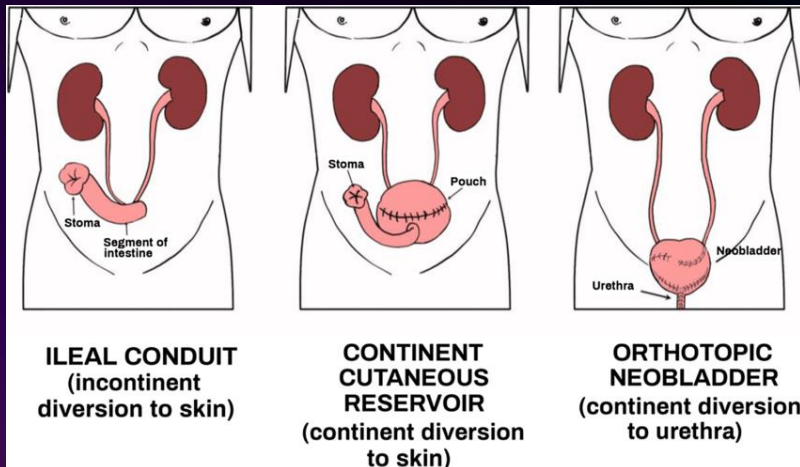
METABOLIC CONSIDERATIONS

- Bowel (Ileum or Colon) continues to act.....bowel
- Metabolic derangements commonly exist
- The longer the contact time the higher the risk
 - Ex. Continent vs Incontinent Diversion

26

26

CONTINENT DIVERSION =  CONTACT TIME



27

27

METABOLIC CONSIDERATIONS – CONDUIT

- Hyperchloremic, Hypokalemic Metabolic Acidosis
 - 15% Ileal Conduits
 - 20% Colon Conduits
 - 50% with Pouches
- 80% of conduits have low bicarb but not treated

28

28

QUALITY OF LIFE AND SEXUAL HEALTH

- Men and women reported similar QOL and functioning scores
- More physical, sexual and social issues reported
- Many options for male sexual function
- Female Vaginal length and flap reconstruction options

29

29

QUESTIONS?

COLON AND RECTAL SYMPOSIUM 2025

30

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31

THANK YOU

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32