Genital Gender Affirming Surgery: Pre & Post Op Surgical Assessment

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Brief Preamble

- No disclosures
- Photo credit to my colleagues and mentors:
 - Daniel Dugi, Geolani Dy, Blair Peters, Jens Berli & Cecile Ferrando
- Please no recording or sharing of these slides
 - I do have confidential genital photos





Objectives

- To describe WPATH Surgical Criteria
- To discuss common pre & post-operative requirements
 - Focusing on "bottom" surgery
 - What does bottom surgery look like?
- To identify common concerns that can be bridged by medical/mental health providers



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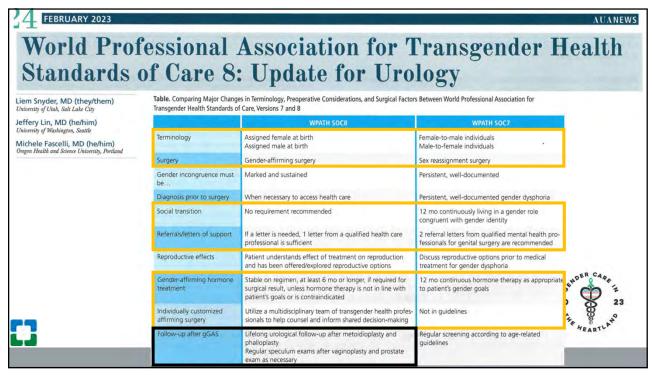
WPATH SOC8 – Sept 2022

- It's pushing the needle in the right direction
- A LOT of information was included
- It's piecemeal
 - Eligibility criteria in Assessment chapters
 - Specifics regarding Surgery in the later chapters





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Chapter 5 – Assessment of Adults

- 5.3 We recommend HCP assessing TGD adults for medical and surgical treatment:
 - Only recommend GAMT requested by the patient when marked, sustained
 - · Ensure diagnostic criteria have been fulfilled
 - Exclude other causes of gender incongruence
 - Ensure mental and physical health conditions are assessed and impact on these conditions included in R/B discussion
 - Ensure capacity to consent and understand effect of treatment, particularly on reproductive options
 - · Consider the role of social transition
 - A single opinion from a HCP should suffice
 - Prior to gonadectomy, minimum 6 months of HRT
 - Detransition prompts comprehensive multidisciplinary assessment



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Chapter 13 – Surgery and Post Op Care

- 13.1 Surgeons have specific credentials:
 - Training, documented supervision
 - Maintenance of an active practice
 - Knowledge about gender diverse identities/expressions
 - · Continuing education in the field
 - · Tracking of surgical outcomes
- 13.2 Breast cancer risks be assessed prior to top surgery
- 13.3 Inform patients about aftercare, travel/accommodations, importance of post-op follow up during preop process
- 13.4 Reproductive options be discussed
- 13.5 Consider offering gonadectomy at minimum 6 months HRT



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- 13.6 Consider GAS for adults when evidence of stability on their current treatment regimen exists
- 13.7 Consider GAS for adolescents when multidisciplinary evidence includes mental health and medical professionals
- 13.8 Consult comprehensive multidisciplinary team individually customized or "non-standard" surgeries are part of a GAS plan
- 13.9 Lifelong urologic follow up after metoidioplasty/phalloplasty
- 13.10 Individuals after vaginoplasty should follow up with their primary surgeon/PCP/gynecologist
- 13.11 Patient regret should be managed by multidisciplinary team



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ORIGINAL ARTICLE

Concordance of National Insurance Criteria with WPATH Standards of Care for Gender-Affirming Surgery

Diaddigo, Sarah E. BS; Lavalley, Myles N. BS; Asadourian, Paul A. MEng, MD; Feuer, Grant B. BS; Warner, Paige E. BS; Rohde,
Christine H. MD, MPH

PRS Online

Plastics Surgery Colleagues from Columbia Univ.

- 95% of plans still require 12-month HRT prior to surgery
- 95% of plans still require 2-3 letters of referral
- Ongoing limited coverage of nipple reconstruction
- Facial surgery is rarely covered
- Revision surgery is covered less than 25%



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Bottom-Specific Criteria

- LOTS of nuance even to get a consult!
 - All surgeons are different
 - Call center/intake
 - Insurance status
 - Letters
 - · Hair removal
- Is this all gatekeeping?
 - What information is available to patients?
 - · Informed patients exp better outcomes
 - "Surgery class" Poceta et al. 2019.





When a surgeon sees the patient...

- History: medical, surgical, social, familial
 - · Smoking cessation counseling
 - Fam hx and screening risks
 - Mental health history
 - Needs for support
 - Sexual and reproductive history
 - Pelvic health/screenings, vaccines (HPV), HIV screening/PrEP

Some of the major gaps in PCP for TG patients can be addressed by any provider $_{\text{Edmiston et al }2016}$





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Physical Exam

- Prepare patients for their physical exam
- Assess hair removal status
 - Important for vaginoplasty
 - Creation of the urethra during phalloplasty
 - Do alternatives exist? Are they safe?
- Assess existing structures their status and considerations
 - Vasculature, piercings, etc
 - Body habitus / BMI







BMI

Need better gender affirming specific long-term outcomes More centers offering consultation and discussion about risks of BMI/body habitus

Work in progress





At the appointment

- Personalized surgery
- Multidisciplinary care Karasic and Lin 2018
- Discuss what you can and can't do
 - Shared decision making
 - Patients must know what the surgeon has and has not done
- Risk discussion
- Aftercare plan





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Vaginoplasty

Zero Depth or Vulvoplasty

- No hair removal
- No canal for penetration

Penile Inversion

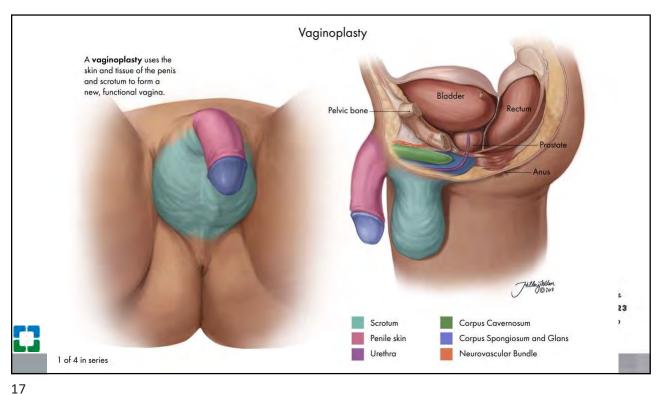
- Hair removal required
- No abdominal surgery

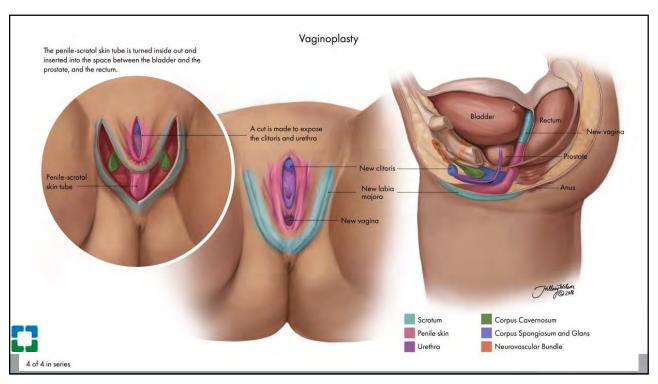
Robotic Peritoneal or "Pull Through"

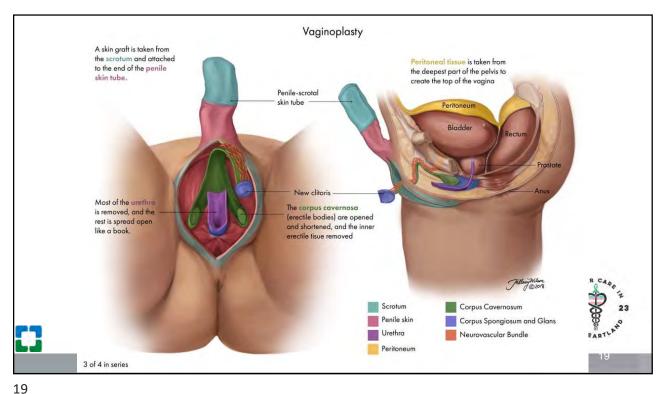
- Hair removal required
- Limited genital skin
- Good for recovering depth

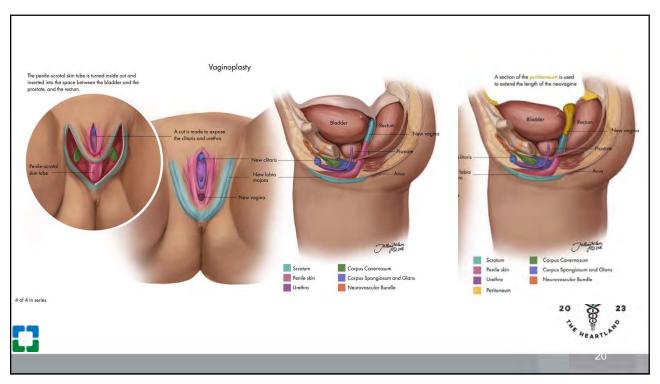
Bowel (colon, sigmoid, etc)

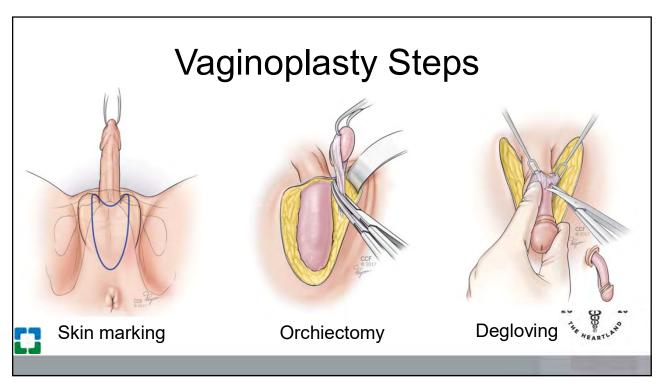
- Most complicated
- Need colonoscopy
- See colorectal surgeon

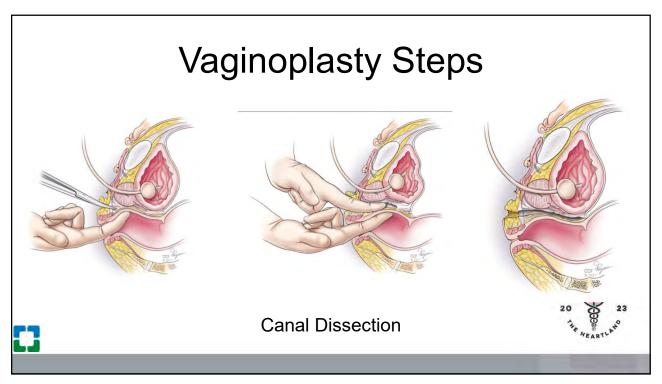


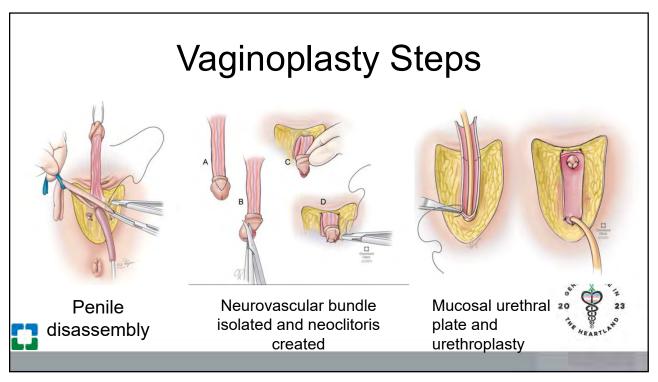


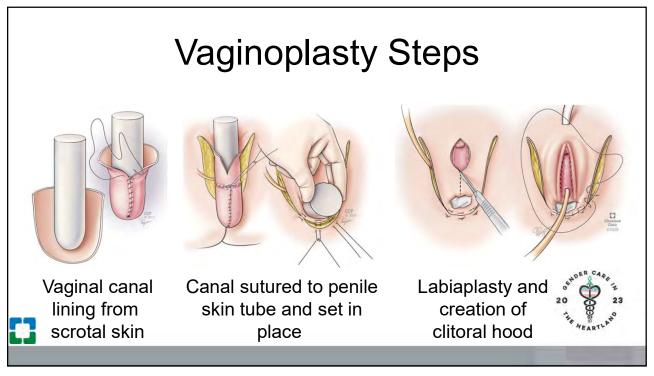


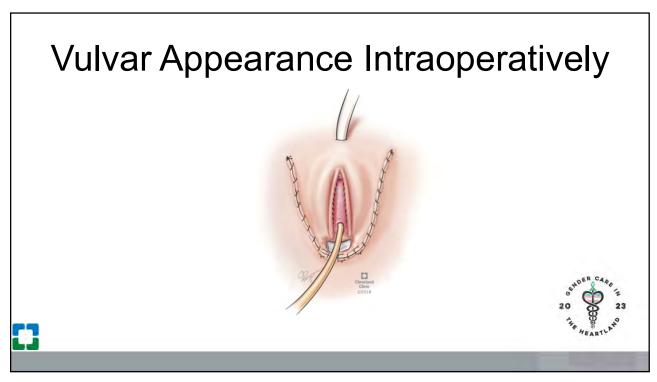


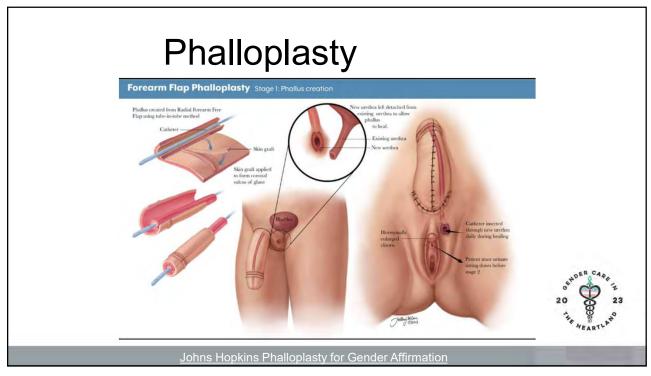


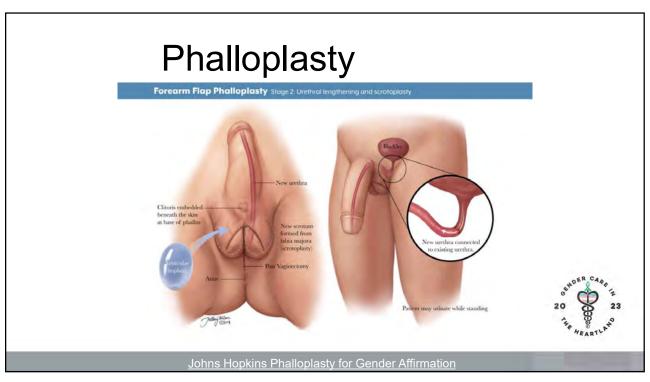


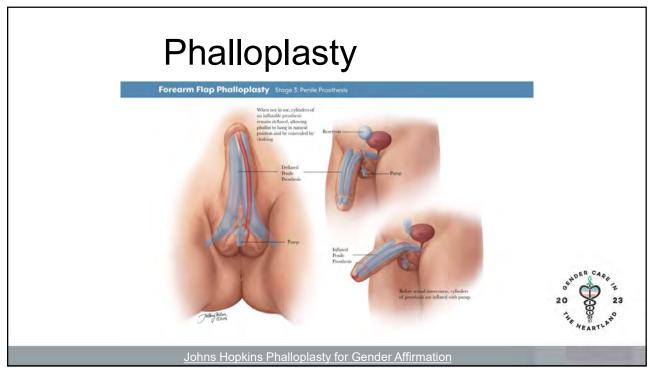


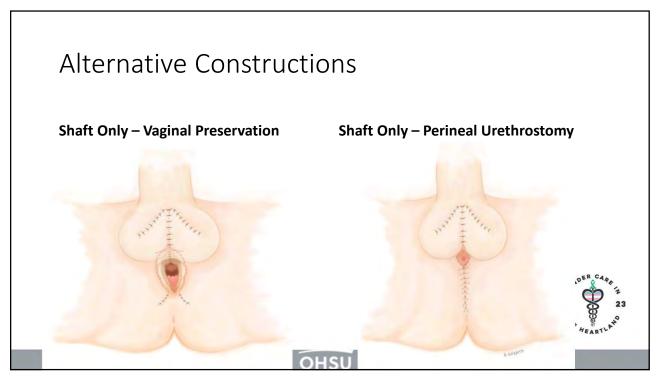












Bottom Surgery Risks



Risks & Complications

- Bleeding*, pain
 - · Urethral vs vaginal
- Wound healing: separation, granulation tissue
- Post op urinary retention, abnormal urine stream, UTI
- Delay or change in sensation
- Pelvic floor dysfunction
- Cosmetic concerns
- Psychosocial impact
- Flap necrosis, vaginal stenosis*, fistula



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Examples of Complication in Phalloplasty Urologic Sequelae Post void dribble **Surgical Complication** Incomplete voiding Stricture Recurrent UTI Fistula Partial flap loss Sexual Health Infection · Change in orgasmic function Reported up to 75% Loss of erogenous zones · Change in libido Complication **Unmet Expectations** Psychosocial Ability to use external devices · Loss of relationship **Scrotal Position** Loss of job Phallic Dimensions Postoperative Depression Aesthetic appearance · Suicidal ideation

Common Post Op Concerns

- Bleeding/bruising/swelling/scabbing
- Wound separation
- UTIs
- Granulation tissue
- Aesthetic concerns
- Changes in mental health*
- Vaginoplasty specific: trouble with dilation
- Phallo specific: partial flap loss/necrosis





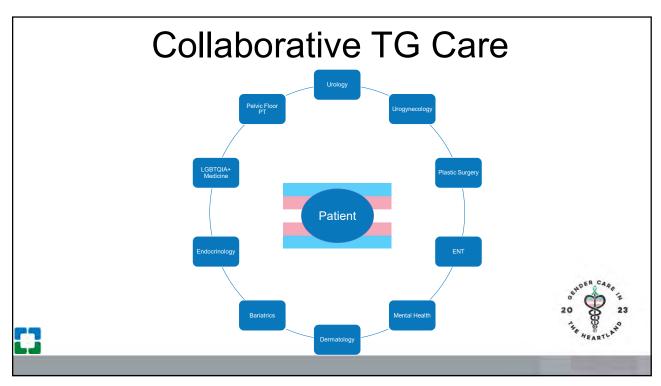
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Where can we work to bridge the gap?

- Identify champions in multi-disciplinary teams
- Improve access to patient and provider education
- Study patient outcomes
 - Particularly the "medicalization" of patients' genitals
- Improve communication with clear expectations Karasic and Fraser 2018; Schecter 2016
 - Pre-op input
 - Inpatient care paths
 - After hours lines for care questions
 - Trans specific on call provider
 - Post-op instructions delineating pathways







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Questions?

