
Sexual Pain: Causes, Diagnosis, and Treatment

ISSWSH Annual Meeting 2024
PreCourse

Sarah Cigna, MD, MS, FACOG, IF

Financial Disclosures

- I have no financial disclosures.

Objectives

At the end of this 35 minute talk, you should be able to

1. Identify the main categories of sexual and genitopelvic pain disorders.
2. Use the presented framework to organize and interpret data from an evaluation to accurately diagnose a patient with a condition.
3. Identify appropriate treatment options for patients with genitopelvic pain conditions.

Diversity, Equity, and Inclusion Statement



THE BIOPSYCHOSOCIAL MODEL

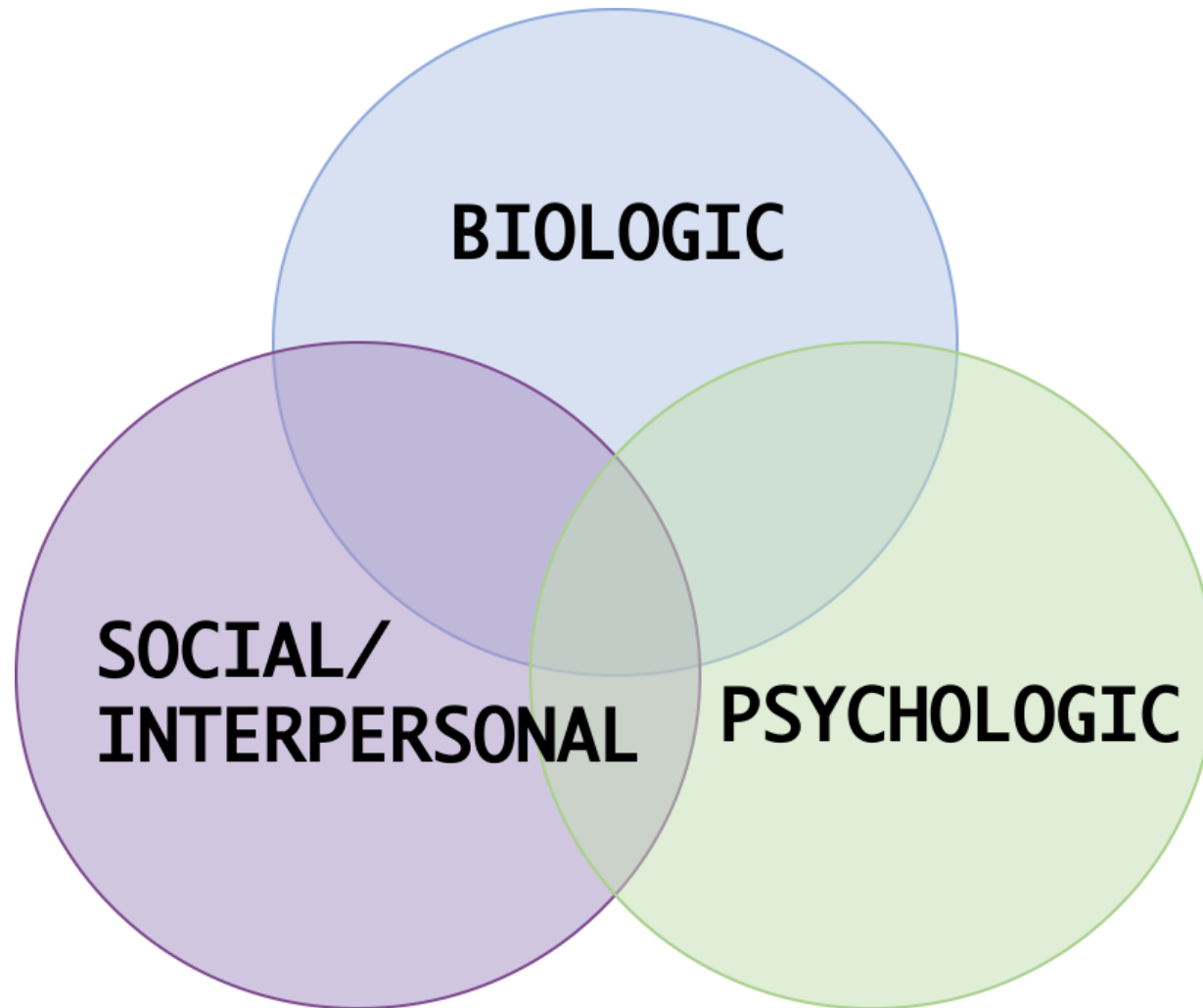


Table 3. 2015 Consensus Terminology and Classification of Persistent Vulvar Pain and Vulvodynia

A. Vulvar pain caused by a specific disorder*

- Infectious (eg, recurrent candidiasis, herpes)
- Inflammatory (eg, lichen sclerosus, lichen planus, immunobullous disorders)
- Neoplastic (eg, Paget disease, squamous cell carcinoma)
- Neurologic (eg, postherpetic neuralgia, nerve compression, or injury, neuroma)
- Trauma (eg, female genital cutting, obstetrical)
- Iatrogenic (eg, postoperative, chemotherapy, radiation)
- Hormonal deficiencies (eg, genitourinary syndrome of menopause [vulvovaginal atrophy], lactational amenorrhea)

B. Vulvodynia—vulvar pain of at least 3 months' duration, without clear identifiable cause, which may have potential associated factors.

The following are the descriptors:

- Localized (eg, vestibulodynia, clitorodynia) or generalized or mixed (localized and generalized)
- Provoked (eg, insertional, contact) or spontaneous or mixed (provoked and spontaneous)
- Onset (primary or secondary)
- Temporal pattern (intermittent, persistent, constant, immediate, delayed)

*Women may have both a specific disorder (e.g., lichen sclerosus) and vulvodynia.
Bornstein, et al 2016, JSM

VULVODYNIA = persistent pain,
at least 3 months duration
with no clear cause

Most commonly:
Musculoskeletal
Hormonal
Nerve related

COMPREHENSIVE HISTORY

- “EVERYTHING WAS FINE UNTIL....”
- **WHO:** Know their context for sexual function (Partners? Trauma/Abuse? Religion? Culture?)
- **WHAT:** Describe the pain (burning, itching, rawness, cutting, tearing, throbbing, aching, heaviness)
- **WHERE:** Is it on the outside, at the entrance, or deeper inside?
- **WHEN:** Get a very detailed timeline (particularly in regard to timing of pain with potential causes such as pills, infections, injuries, or births).
- **WHY:** That’s next...

COMPREHESIVE HISTORY

- Attitudes about sex/genitals
- Trauma history (big AND little T, physical and emotional/verbal)
- Anxiety/depression/OCD
- Anxious tendencies/ Type A personality
- Connective tissue disorders, POTS, MCAS
- Competitive sports, daily cycling, equestrian, heavy weight lifting
- Endometriosis/GYN surgery
- IBS/IBD

COMPREHENSIVE PELVIC EXAM

CONSENT

- "Offer" an exam
- Describe your plan
- Empower autonomy
- Is a speculum needed?



Mirror mirror, in your hand!



The Vestibule

- Divide it in half
- Many diagnoses are differentiated by eliciting pain on anterior vs posterior half.
 - Posterior only = muscle
 - Anterior + posterior = hormone/nerve



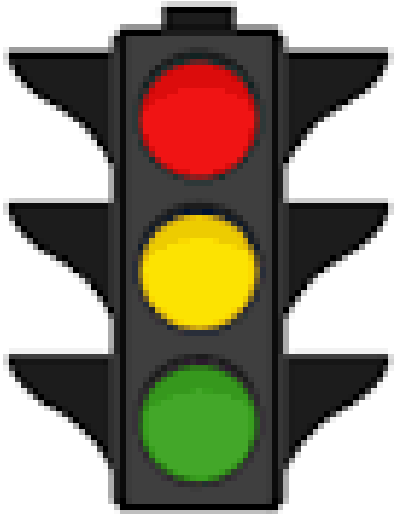
“Q Tip Test”



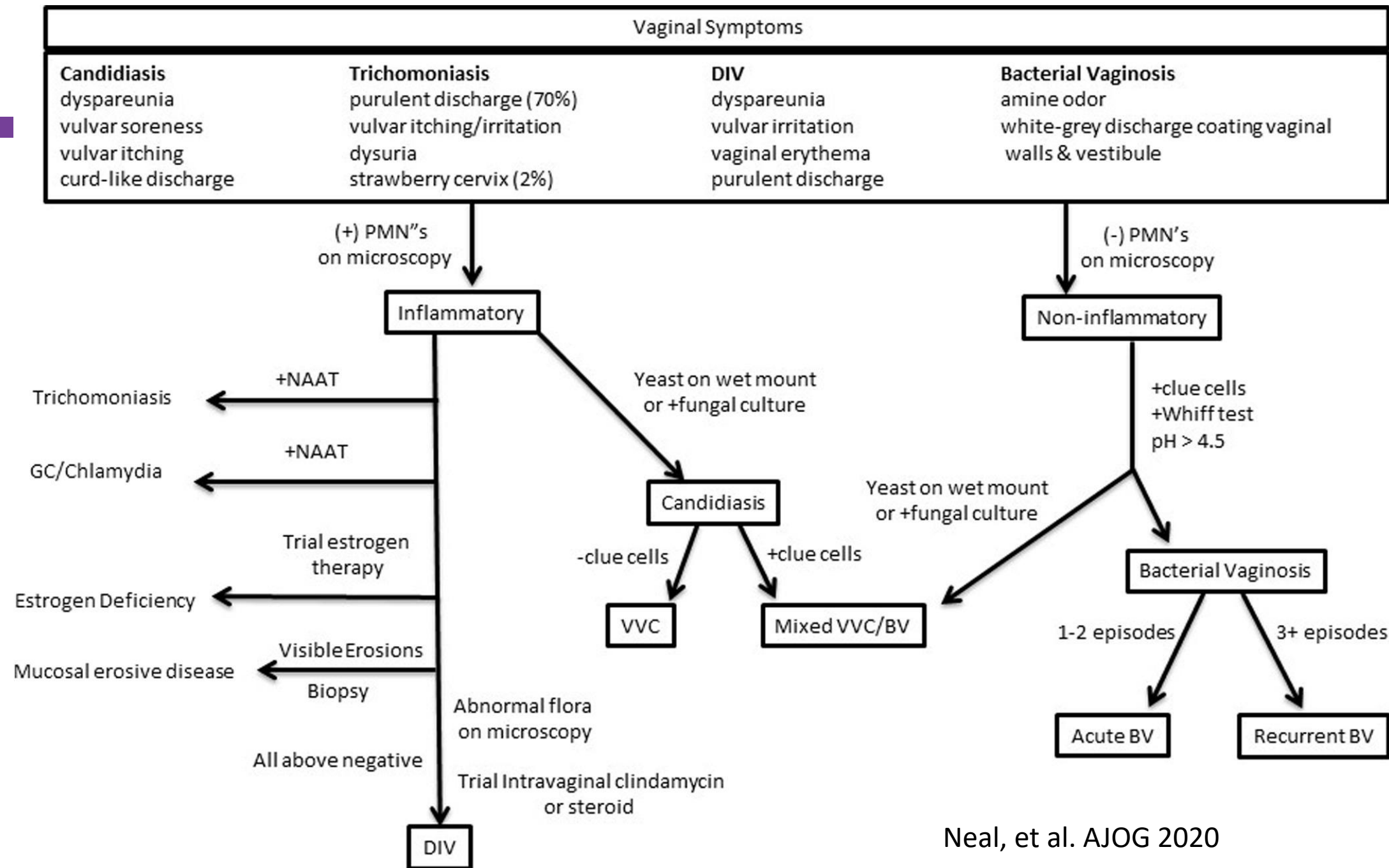
Q Tip Test (moistened with water or gel!)

- Make sure to get baseline in remote areas such as inner thighs to allow patient to feel nonpainful touch.
- I tend to use more of a gentle swipe motion rather than a poke or touch (exception being when touching the posterior vestibule where the muscle insertion sites are)
- Use lots of anatomically correct language and a mirror to teach the patient about her anatomy.
- Always distinguish between normal “scratchy/sensitive” sensations and “PAIN” – descriptors are helpful
 - Burning, cutting, sharp, knife like, needles, stinging, hot, etc.

DIAGNOSTIC TESTING



HIGH YIELD	Wet mount (alternative: pH and whiff)	
MAYBE	Genital culture	Ultrasound
	PCR-based vaginal testing	MRI
	Hormones (total testosterone, SHBG, FSH/LH, estradiol)	Pudendal block or topical anesthesia test
LOW YIELD	Repeat STI testing (if recently negative and no new risk factors)	
	HSV serum titers	



Neal, et al. AJOG 2020



Persistent Vulvar Pain: Diagnostic and Treatment Algorithm

ANDREW T. GOLDSTEIN, MD FACOG IF
OBSTETRICS@YAHOO.COM, WWW.CVVD.org

A proposed diagnostic and treatment algorithm for vulvodynia, vulvar pain, and dyspareunia. Comments and criticisms are always welcome. It is essential that clinicians and researchers differentiate between different causes of vulvar pain to improve treatment and research.

INTROITAL DYSpareunia & VULVAR PAIN: A diagnostic and treatment algorithm

VESTIBULODYNIA

TENDERNESS THROUGHOUT THE ENTIRE VESTIBULE

HORMONALLY MEDIATED VESTIBULODYNIA
PE: Gland ostia are erythematous, mucosal pallor with overlying erythema, decreased size of labia minora and clitoris
LABS: High SHBG, low free testosterone
CAUSES: hormonal contraceptives, spironolactone, Tamoxifen, Aromatase inhibitors, oophorectomy, amenorrhea, lactation
TREATMENT: Stop medications, topical estradiol combined with topical testosterone. Typically, estradiol 0.01%/testosterone 0.1% in a methylcellulose base BID. May substitute estril 0.02% for the estradiol in women with severe atrophy/tenderness/atrophy.

INFLAMMATORY VESTIBULODYNIA
HX: chronic infections, allergic reactions, copious yellowish discharge.
PE: erythema, leukorrhea, induration, vaginal mucosal tenderness, cervicitis/ectropion
CAUSES: desquamative inflammatory vaginitis, chronic candidiasis (see below), Latex allergy/ semen allergy
TREATMENT: Interferon 1.5 million units SQ TWT for 12 doses (if within 6 months), Singulair, Neogyn, Topical Cromolyn, SQ Triamcinolone, Capsaicin 0.025% 20 minutes QHS for 12 weeks, gabapentin 4% cream, Vulvar vestibulectomy if failed conservative treatment

NEUROPROLIFERATION

CONGENITAL NEUROPROLIFERATIVE VESTIBULODYNIA
HX: Pain since first tampon use, speculum insertion, and coitus. No pain free sex. Late clitorche > 25 years old.
PE: tenderness of the entire vestibule from Hart's line to the hymen, often with erythema that worsens after touch with cotton swab. Umbilical hypersensitivity in approximately 60% of women.
LABS: increased density of c-afferent nociceptors if using S-100 or PGP 9.5
TREATMENT: VULVAR VESTIBULECTOMY

ACQUIRED NEUROPROLIFERATIVE VESTIBULODYNIA
HX: allergic reaction
-chronic yeast infection
-polymorphisms in IL1RA, MBL, IL1B
-associated with urticaria, hives, sensitive skin
TREATMENT: Interferon 1.5 million units SQ TWT for 12 doses (if within 6 months), Singulair, Neogyn, Topical Cromolyn, SQ Triamcinolone, Capsaicin 0.025% 20 minutes QHS for 12 weeks, gabapentin 4% cream, Vulvar vestibulectomy if failed conservative treatment

RECURRENT CANDIDIASIS
PE: erythema, induration, thin fissures, perianal erythema. Discharge is often thin and yellow, not "white cottage cheese"
LABS: Hyphae and increased WBCs on wet mount. Positive cultures
CAUSES: Diet high in simple sugars, antibiotics, OCPs
TREATMENT: Decrease dietary sugars and take probiotics (Probiac), Oral Nystatin 500,000 units TID for three months + fluconazole 150mg Q3 days x 4 doses the 4 weeks for 3 months.

PAIN EXTENDS OUTSIDE THE VESTIBULE (physical exam only, not subjective)

PAIN CONFINED TO THE POSTERIOR VESTIBULE

DESQUAMATIVE INFLAMMATORY VAGINITIS
HX: Copious yellow vaginal discharge that ruins underwear or requires a pantyliner, vulvar pruritus where discharge dries
PE: Copious leukorrhea, vaginal mucosa erythema, cervicitis, cervical ectropion
CAUSES: Unknown but current hypotheses infection of unknown pathogen, erosive lichen planus, vulvovaginal atrophy, cervical ectropion
TREATMENT: estradiol/hydrocortisone/candidamycin cream, cryotherapy if significant ectropion

PUDENDAL NEURALGIA
-PN tender at ischial spine
-unilateral or significantly greater on one side
-history of coccyx trauma
-history of hip pain or labral tear
-better with lying prone/standing, worse with sitting
-pain improved temporarily with PN block
TREATMENT: SERIAL PN BLOCKS, GABAPENTIN, LYRICA, PUDENDAL NERVE NEUROMODULATION

PERSISTENT GENITAL AROUSAL DISORDER
Causes: Pudendal neuralgia, Tarlov cyst, pelvic varicosities, mass along dorsal nerve of clitoris, change in psychotropic medicine, EDS
Dx: tenderness at ischial spine, MRI, pudendal nerve block, dorsal clitoral nerve block

**HYPERTONIC PELVIC FLOOR
MUSCLE DYSFUNCTION**
-Pain at 4,8 o'clock if hypertonus of pubococcygeus
-Pain at 6 o'clock if hypertonus of puborectalis
-urinary symptoms if it involves coccygeus (frequency, sensation of incomplete emptying, hesitancy)
-constipation, rectal fissures, hemorrhoids if it involved puborectalis
-associated with ANXIETY, low back pain, scoliosis, hip pain, "holding urine", excessive core strengthening exercises
TREATMENT: PELVIC FLOOR PHYSICAL THERAPY, DIAZEPAM SUPPOSITORIES, VAGINAL DILATORS, HOME PELVIC FLOOR EXERCISES, BOTOX INJECTION

LICHENIFICATION, ULCERATION, RESORPTION OF THE LABIA MINORA, CLITORAL PHIMOSIS, NARROWING OF THE INTROITUS WITH EVIDENCE OF FISSURING

LICHEN SCLEROSUS
Anogenital in a "figure 8" distribution but does not go inside the vagina.
AFFECTS 1:60 WOMEN
3-5% MALIGNANT TRANSFORMATION (VULVOSCOPY NECESSARY)
BIOPSY BEFORE TREATMENT
TREATMENT: CLOBETASOL OINTMENT, SQ TRIAMCINOLONE, SURGERY FOR PHIMOSIS OR RECURRENT TEARING (VULVAR GRANULOMA FISSURATUM)

LICHEN PLANUS
Affects the squamous epithelium of the vulva and causes ulceration in the vestibule (Wickham's stria)
Affects mucous membrane of the mouth and vagina. Can cause synechiae/scarring of the vagina.
PREMALIGNANT
TREATMENT: CLOBETASOL, ELIDEL, PROTOPIC, NEED TO TREAT VAGINA- USE MEDS ON VAGINAL DILATORS. SYSTEMIC STEROIDS OR OTHER IMMUNOSUPPRESSANTS MAY BE NEEDED



COMPREHENSIVE DIFFERENTIAL

- Vulva (mons, labia minora/majora, perineum)
- Vestibule
- Clitoris
- Urethra/Bladder

Vulvodynia

```
graph TD; A[Vulvodynia] --> B[Vulva with visible skin or anatomic change]; A --> C[Healthy appearing vulva]; B --> D["Non infectious dermatoses<br/>Infectious dermatoses<br/>VIN/Cancer"]; C --> E["Pudendal Neuralgia<br/>PGAD<br/>Spinal pathology<br/>Neuroinflammatory (MCAS)"]; C --> F[Pelvic Floor Dysfunction];
```

Vulva with visible
skin or anatomic
change

Non infectious
dermatoses
Infectious dermatoses
VIN/Cancer

Healthy appearing
vulva

Pudendal Neuralgia
PGAD
Spinal pathology
Neuroinflammatory
(MCAS)

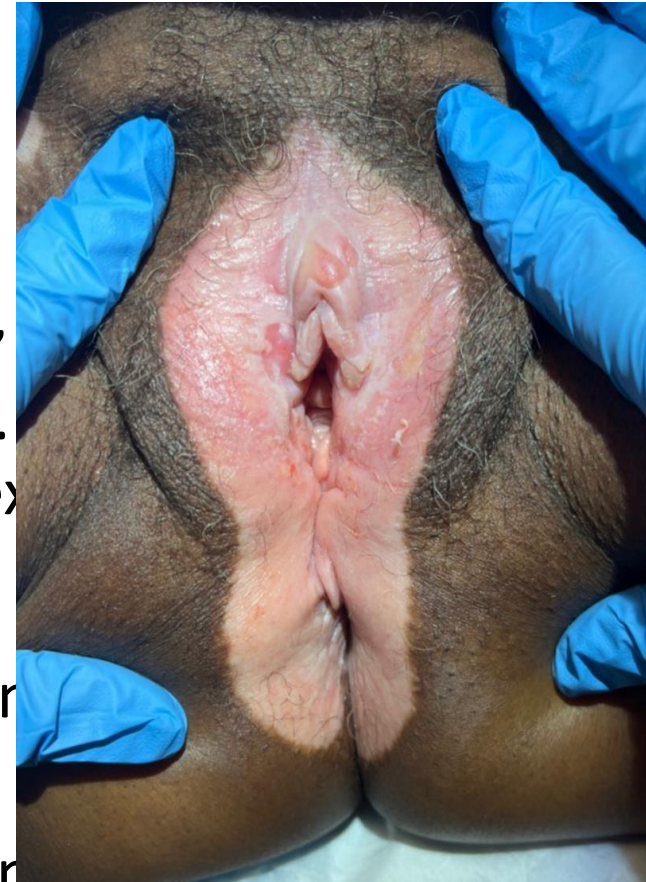
Pelvic Floor
Dysfunction

Case 1

- 37yo nonbinary G1P1 AFAB presents for pain, itching, and “cuts” on vulva
- History: Both unprovoked and provoked pain. Difficult to wear tight clothing, sex is painful and tears even when exercising, lightening of skin
- Meds: none
- Med/Surg Hx: Vaginal birth 6 months ago, significant tearing, traumatic recovery. Still breastfeeding
- Exam: Keratinized skin with hypopigmentation (loss of melanin), lichenification thickening), tissue paper crinkled texture, phimosis, labial resorption, introital narrowing. Pelvic floor muscles tight and tender.
- Diagnoses?

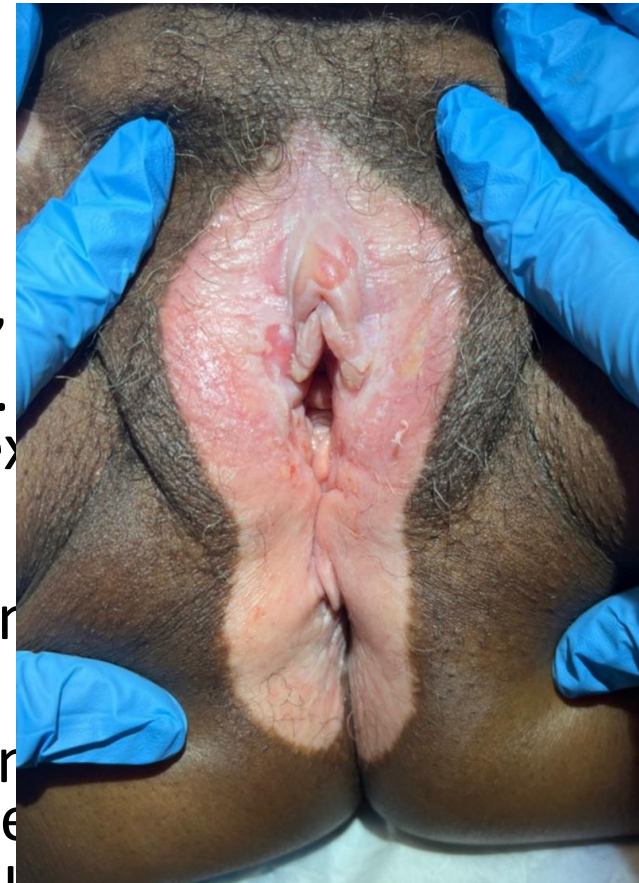
Case 1

- 37yo nonbinary G1P1 AFAB presents for pain,
 - History: Both unprovoked and provoked pain. clothing, sex is painful and tears even when ex
 - Meds: none
 - Med/Surg Hx: Vaginal birth 6 months ago, sign
 - Exam: Keratinized skin with hypopigmentation (loss of melanin), lichenification thickening), tissue paper crinkled texture, phimosis, labial resorption, introital narrowing. Pelvic floor muscles tight and tender.
- Diagnoses?



Case 1

- 37yo nonbinary G1P1 AFAB presents for pain,
- History: Both unprovoked and provoked pain. clothing, sex is painful and tears even when ex
- Meds: none
- Med/Surg Hx: Vaginal birth 6 months ago, sign recovery. Still breastfeeding
- Exam: Keratinized skin with hypopigmentation (lichenification thickening), tissue paper crinkle resorption, introital narrowing. Pelvic floor muscles tight and tender.



- Diagnoses?
 - Lichen sclerosus
 - Genitourinary syndrome of lactation
 - Hypertonic pelvic floor muscles

Treatment Plan:

- Clobetasol ointment 0.05% OUTSIDE
- Estradiol cream 0.01% INSIDE (vestibule and vagina)
- Pelvic floor physical therapy

Lichen Sclerosus



- Autoimmune condition of the skin
 - Commonly in anogenital areas of women (but can also affect men)
- Characterized by severe inflammation, sclerotic tissue formation, and changes in vulvar architecture
- Symptoms include hypopigmentation, tearing, itching, fissures/pain, pain with vaginal penetration
- Increased risk of other autoimmune conditions:
 - Autoimmune thyroid diseases (Hashimoto thyroiditis and Graves' disease), alopecia areata, vitiligo, and pernicious anemia
- Can affect vulvas of ANY age
- Increased (4-6%) risk of vulvar carcinoma if not optimally treated

Vestibulodynia

Anterior and
Posterior

Posterior

Hormonally
mediated

Neuroproliferative

Hypertonic pelvic
floor muscle

Low hormone status,
esp Testosterone
(OCPs, Lactation,
Menopause,
Medications, Surgeries)

Acquired
(chronic
infection or
allergen)

Congenital
(lifelong, look for
umbilical
hypersensitivity)

Pain can vary in
severity, timing,
and duration

Case 2

- 24 year old G0 cis woman presents to you for annual exam, states she cannot have penis-vagina intercourse with her cis male partner, this began 1 year ago.
- Meds: combined OCPs for 2 years.
- Med/Surg Hx: She has mild anxiety that is addressed with therapy (and feels the pain is making her anxiety worse, not the reverse)
- Meds: OCPs (started 2 years ago)
- Med/Surg Hx: She frequently has constipation and anal fissures (had a workup with GI)
- Exam: Keratinized skin normal appearing. Vestibule is notable for severe erythema, especially around gland ostia. Pelvic floor muscles are tight and tender.
- Diagnoses?

Case 2

- 24 year old G0 cis woman presents to you for annual exam. She has difficulty with intercourse with her cis male partner, this began 1 year ago.
- Meds: combined OCPs for 2 years.
- Med/Surg Hx: She has mild anxiety that is addressed with therapy (her anxiety worse, not the reverse)
- Meds: OCPs (started 2 years ago)
- Med/Surg Hx: She frequently has constipation and anal fissures.
- Exam: Keratinized skin normal appearing. Vestibule is notably tender around gland ostia. Pelvic floor muscles are tight and tend to spasm.
- Labs: Free calculated testosterone = 0.2ng/dL
- Diagnoses?
 - Hormonally mediated vestibulodynia
 - Hypertonic pelvic floor dysfunction



agina

aking

ally

Treatment Plan:

- Estradiol 0.01% / Testosterone 0.1% in methylcellulose gel (compounded!)
 - Pelvic floor physical therapy
 - Psychotherapy

How to calculate free testosterone?

This is not diagnostic but can
be SUPPORTIVE of diagnosis

← → ↻

issam.ch/freetesto.htm

Free & Bioavailable Testosterone calculator

These calculated parameters more accurately reflect the level of bioactive testosterone than does the sole measurement of total testosterone. Testosterone is bound to specific plasma proteins (sex hormone-binding globulin SHBG) and weakly bound to nonspecific proteins such as albumin. The free fraction, bioavailable testosterone includes free plus weakly bound to albumin.

Albumin

g/dL

▼

SHBG

nmol/L

▼

Testosterone

ng/dL

▼

Calculate

[Explanation and examples](#)

Free Testosterone

0.208 ng/dL

 = 0.743 %

Bioavailable Testosterone

4.88 ng/dL

 = 17.4 %

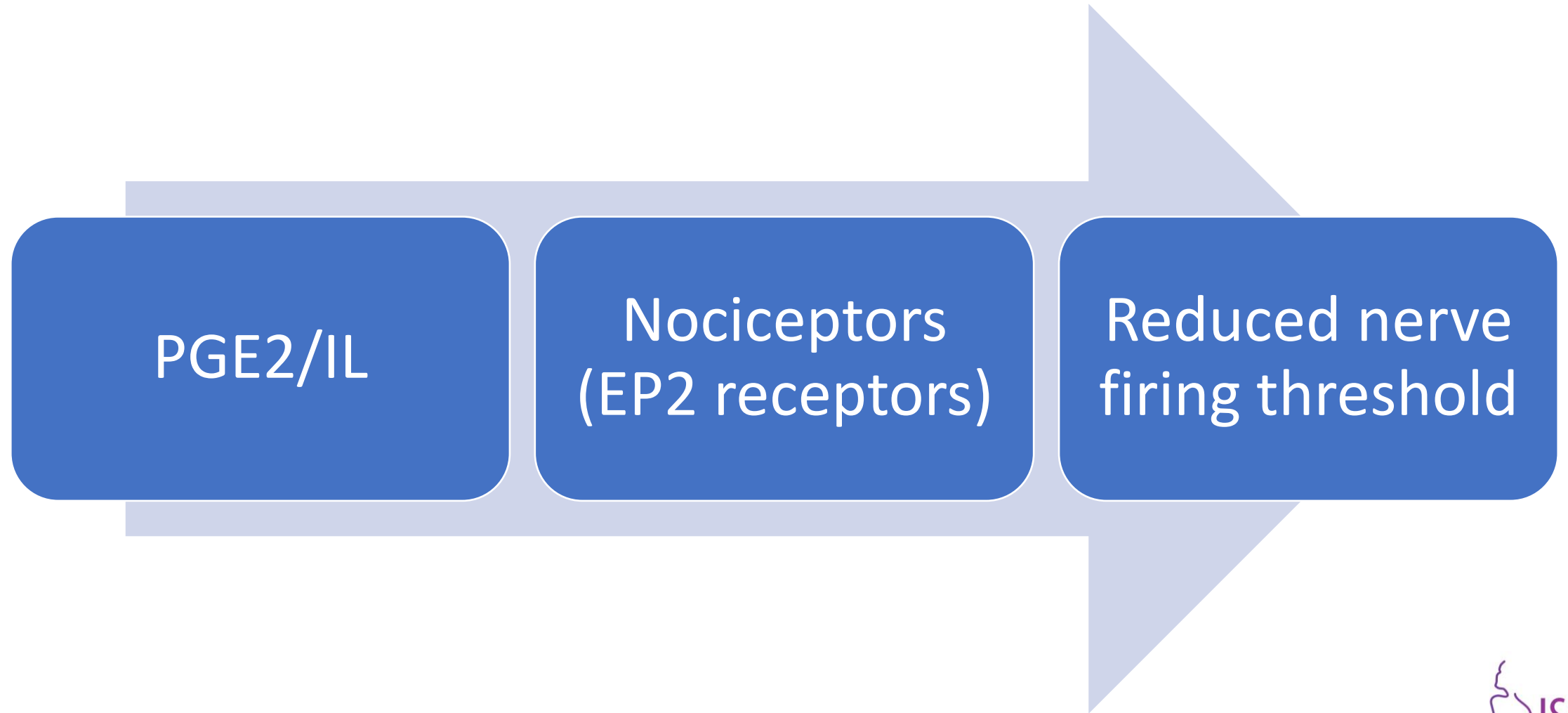
Pro tips for vestibulodynia

- Start ET gel twice per day.
- Counsel patient's on timeline (slight change by 6 weeks, significant improvement by 3 months)
- Consider delaying physical therapy until active vulvar issue has been addressed and is not contributing to pain.
- Wean down once pain is significantly better, 2x per week for maintenance longer term. Total recommended duration is unknown.
- Check a total T 6-12 weeks after starting gel to ensure safe dosing.

What about neuroproliferative?

- Must figure out timeline to determine how likely they have either
 - Acquired - triggered by chronic infection or irritant exposure
 - Congenital – born with increased density of C afferent nociceptors
- Vestibular tissue can appear erythematous but not always.


Inflammation and Pain: What's the connection?



On vestibular pathology will see increased mast cells and density of C-afferent nociceptors

Treatment Plan

- Therapy to work through anticipation of pain and fear of touch
- Hold off on pelvic floor PT until anterior vestibular pain is improved on repeat Qtip exam.

Topical	Oral	Injection	Surgical
4-6% Gabapentin cream	Gabapentin 300-900 mg IR or ER	Enoxaparin injection 40mg/d	Vestibulectomy with vaginal advancement flap
1% Amitriptyline cream	Tricyclic antidepressants	Interferon submucosal injection	
Cromolyn 5-10% cream	Montelukast 10 mg po qd		
Capsaicin 0.025% cream			

Sources for regimens

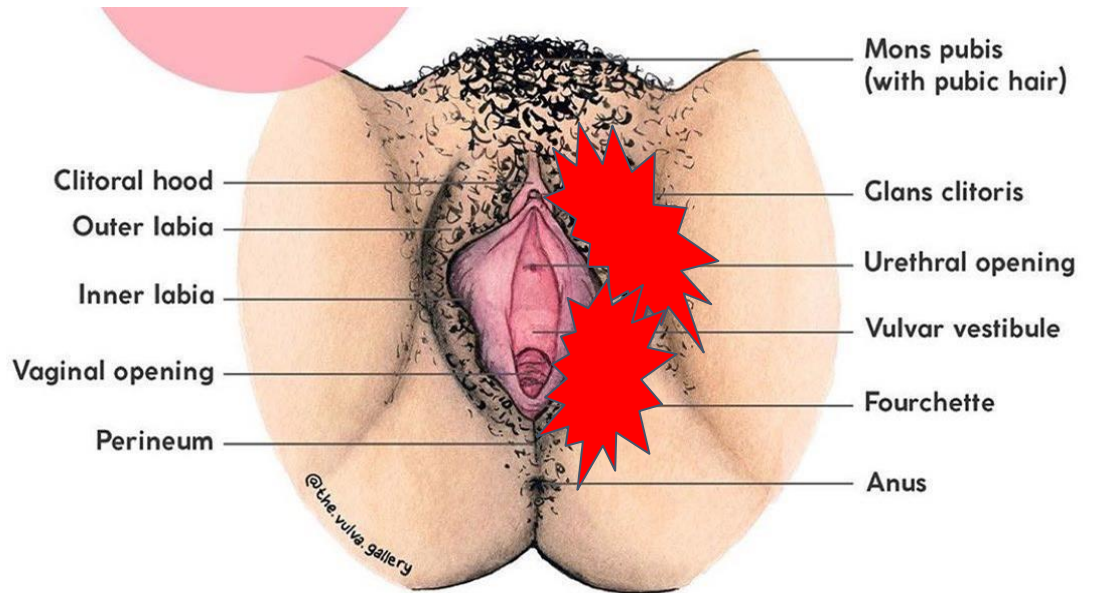
- Oral gabapentin 300-900 mg IR or ER or topical 6% Gabapentin cream
 - (Jeon Y et al, KJU 2013; Brown et al, 2018)
 - (Boardman et al, 2008, Obstet Gynecol)
- Montelukast 10 mg po qd
 - (Kamdor and Fisher, 2007; J Repro Med)
- Amitriptyline 1%/Ketamine .5% cream
 - (Poterucha et al, 2012; Pain Physician)
- Cromolyn 5-10% cream
 - (Nyirjesy et al .2001; Sex Trans Infect)
- Interferon submucosal injection
 - (Goldstein et al, 2016 J Sex Med)
- Enoxaparin injection 40mg/d
 - (Farajun et al, 2012, Obstet Gynecol)
- Capsaicin 0.025% cream
 - (Yenigun, Om 2019 UC Open Access)

Case 3

- 41yo trans woman s/p vaginoplasty presents with vaginal bulge, unwanted genital arousal and pain for over a year.
- History: Symptoms worse when sitting for longer than 30minutes and riding a bike. Has had multiple imaging studies negative for a vaginal/pelvic mass. Pelvic floor physical therapy did not help.
- Meds: Systemic estradiol
- Surg/med hx: Vulvo/vaginoplasty 6 years ago, had a fall on stairs 2 years ago.
- Exam: Allodynia (abnormal sensation) on left labium majus, labium minus. Tender on palpation of left ischial spine, confirmed on rectal exam.
- Diagnoses?

Case 3

- 41yo trans woman s/p vaginoplasty pre genital arousal and pain for over a year.
- History: Symptoms worse when sitting on bike. Has had multiple imaging studies and floor physical therapy did not help.
- Meds: Systemic estradiol
- Surg/med hx: Vulvo/vaginoplasty 6 years
- Exam: Allodynia (abnormal sensation) on left labium majus, labium minus. Tender on palpation of left ischial spine, confirmed on rectal exam.
- Diagnoses?
 - Pudendal neuralgia
 - Persistent Genital Arousal Disorder
 - Hypertonic pelvic floor muscles



A regular vulva as seen from below

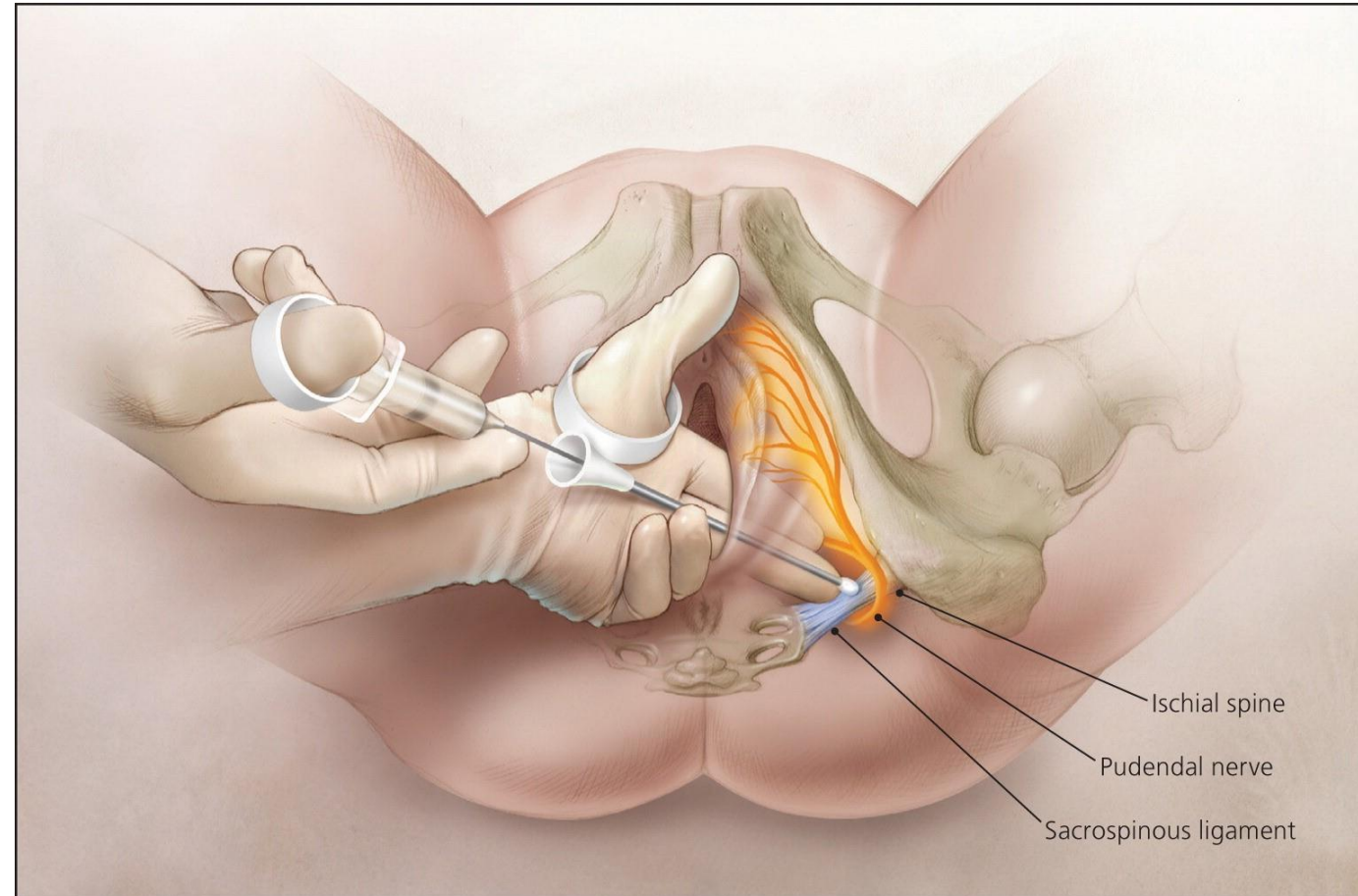
© Illustration by Hilde Atalanta
@the.vulva.gallery

Treatment Plan:

Serial pudendal nerve blocks x6 months
+/- Pregabalin oral 50mg TID
Pelvic floor physical therapy

Pudendal nerve blocks

- Combination of steroid and anesthetic
- Commonly 5-10cc of bupivacaine or lidocaine with 10-40mg of triamcinolone.
- IF NERVE BLOCK DOES NOT RELIEVE AROUSAL, THEN NEED TO LOOK HIGHER IN SPINE WITH MRI FOR TARLOV CYSTS/HERNIATED DISCS. (REGION 3 OR 4)





ISSWSH Process for Care: PGAD/GPD

Table 2. ISSWSH consensus expert opinion on criteria and characteristics of persistent genital arousal disorder/genito-pelvic dysesthesia (PGAD/GPD)

Criteria	persistent or recurrent, unwanted or intrusive, distressing sensations of genital arousal
	duration of ≥ 3 months
	may include other types of genito-pelvic dysesthesia (eg, buzzing, tingling, burning, twitching, itch, pain)
	most commonly experienced in the clitoris but also in other genito-pelvic regions (eg, mons pubis, vulva, vestibule, vagina, urethra, perineal region, bladder, and/or rectum)
	may include being on the verge of orgasm, experiencing uncontrollable orgasms, and/or having an excessive number of orgasms
Associations	not associated with concomitant sexual interest, thoughts, or fantasies
	limited resolution, no resolution, or aggravation of symptoms by sexual activity
	compromised orgasm quality (eg, aversive, impaired, altered frequency, intensity, timing, and/or pleasure)
	aggravation of genito-pelvic dysesthesia by certain circumstances (eg, sitting, car driving, music or sounds, general anxiety, stress, or nervousness)
	despair, emotional lability, catastrophization, and/or suicidality
	on physical examination, absent evidence of genital arousal (genital lubrication, swelling of clitoris or labia)

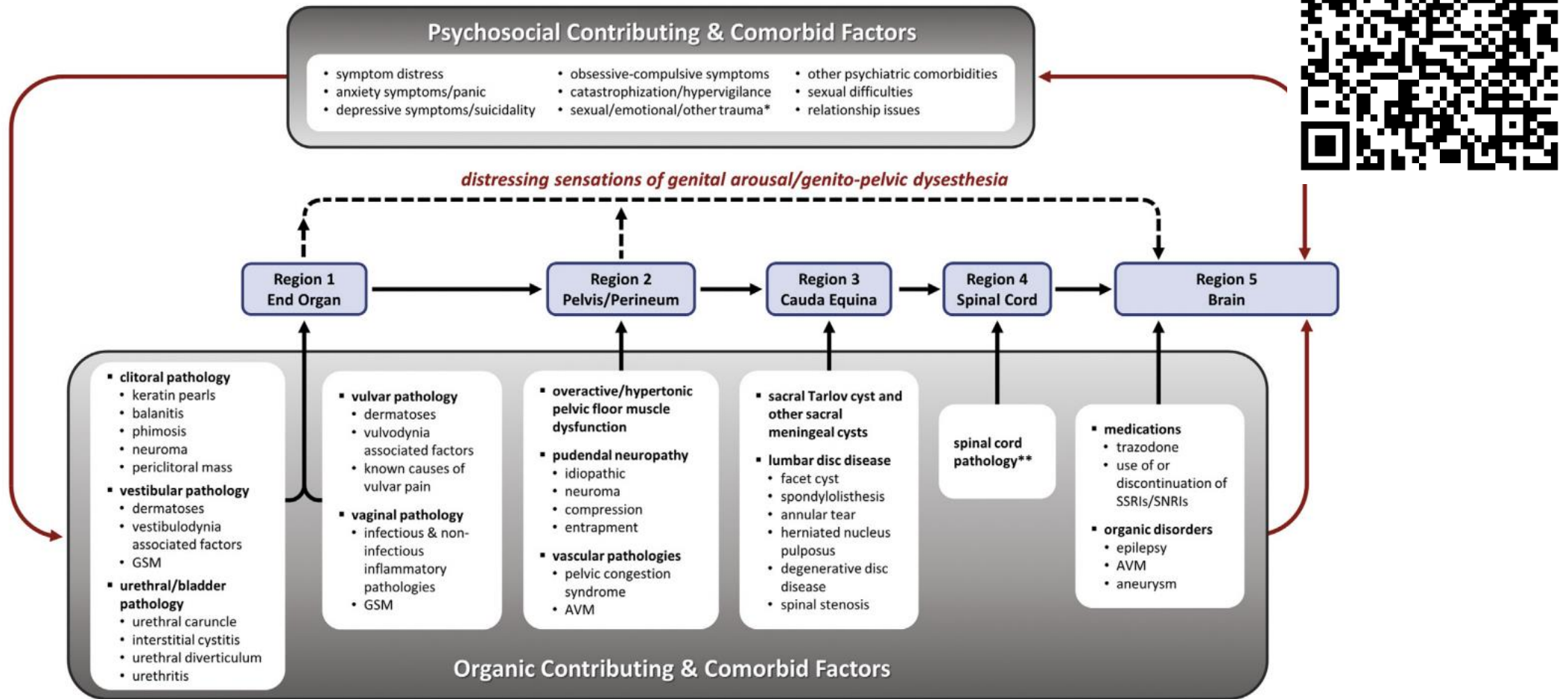


Figure 2. Biopsychosocial contributors and comorbid factors to PGAD/GPD. Factors are categorized as originating from 5 separate regions that may be successively modified through afferent nerve pathways. Pathology in Regions 3–5 may ultimately be interpreted by the brain as distressing sensations originating in Region 1 and/or Region 2 (dashed black arrows). Both psychosocial and organic factors modulate the nature and intensity of genito-pelvic sensations in the brain. Psychosocial factors may also influence organic factors in any of the 5 regions. AVM = arteriovenous malformation; GSM = genitourinary syndrome of menopause. *Sexual trauma may also include physical trauma related to Regions 1–4. **Spinal cord pathology may be a contributory factor, but cases associated with PGAD/GPD have yet to be reported in the peer-reviewed literature. Figure 2 is available in color online at www.jsm.jssexmed.org.

Clitorodynia

```
graph TD; A[Clitorodynia] --> B[Anatomic/Mechanical]; A --> C[Nerve related]; A --> D[Hypertonic pelvic floor muscle]; B --> E["Phimosis/adhesions (keratin pearls, hair) Neuroma Sebaceous cyst/abscess Trauma"]; C --> F["Pudendal Neuralgia PGAD"]; D --> G["Ischiocavernosus muscle, levator ani, obturators"];
```

The diagram is a hierarchical flowchart. At the top is a dark blue rounded rectangle labeled 'Clitorodynia'. A horizontal line extends from this box, with three vertical lines descending from it to three separate blue rounded rectangles: 'Anatomic/Mechanical' on the left, 'Nerve related' in the center, and 'Hypertonic pelvic floor muscle' on the right. From 'Anatomic/Mechanical', a vertical line descends to a larger blue rounded rectangle containing a list of conditions: 'Phimosis/adhesions (keratin pearls, hair)', 'Neuroma', 'Sebaceous cyst/abscess', and 'Trauma'. From 'Nerve related', a vertical line descends to a blue rounded rectangle containing 'Pudendal Neuralgia' and 'PGAD'. From 'Hypertonic pelvic floor muscle', a vertical line descends to a blue rounded rectangle containing 'Ischiocavernosus muscle, levator ani, obturators'.

Anatomic/
Mechanical

Nerve related

Hypertonic pelvic
floor muscle

Phimosis/adhesions
(keratin pearls, hair)
Neuroma
Sebaceous cyst/abscess
Trauma

Pudendal Neuralgia
PGAD

Ischiocavernosus
muscle, levator ani,
obturators

Urethral/Bladder Pain

```
graph TD; A[Urethral/Bladder Pain] --> B[Painful Bladder Syndrome]; A --> C[Overactive Bladder]; A --> D[Hormonal deficiency]; B --> E[Inflammation, treat early! (AUA guidelines!)];
```

Painful Bladder
Syndrome

Inflammation, treat early!
(AUA guidelines!)

Overactive Bladder

Hypertonic pelvic
floor muscles
Detrusor muscle
overactivity

Hormonal
deficiency

GenitoURINARY
syndrome of
menopause

Additional Causes of Genitopelvic Pain

- Endometriosis
- Adenomyosis
- Uterine Fibroids
- Pelvic Inflammatory Disease
- Connective tissue disorders (Ehlers Danlos, etc)
- GYN Surgery
- IBS/IBD

A call to action from OUR patients

1. Taking our pain seriously can make all the difference.

"We've heard thousands of stories from patients whose pain was dismissed. They've been told things like,

"you must have repressed sexual trauma,"

"it's a mental block, there's nothing causing your pain,"

"you're too young to have Lichen Sclerosus, only older women have that,"

"sometimes sex is painful and that's normal,"

"are you sure you're attracted to your husband?,"

"does your boyfriend know what he's doing?,"

"it could be because you're bisexual,"

"have you tried drinking some wine before sex?"...etc.

As a provider, your words have a huge impact. Patients remember these comments, and, often, they don't seek care after they've been told something like this. Many of us even avoid necessary pap smears and exams because of being dismissed in the past. Believing that our pain is real, demonstrating curiosity about our experience and trying to understand how it's impacting us can make a huge impact on a patient's life."

2. It's okay not to know the answers.

“We, as patients, know that there are gaps in education, training, and research on these conditions -- and we don't expect our medical providers to have all of the answers. **We really appreciate when medical providers are honest with us. Usually, we're looking for our medical providers to be partners with us in figuring out what's going on** and, if necessary, **refer** us to someone who has more expertise in treating these conditions”

3. Ask proactively about patients' symptoms, screen for pain with intercourse at check-up appointments.

“Many patients don't realize that their pain is valid and that they need and deserve medical attention and care. Pain with sex is normalized in such a way in our society that many patients don't bring it up proactively with their doctors, and/or don't know how to talk about it. **If you ask your patients about their symptoms, you may save the patient years of pushing through the pain, consenting to sex that causes excruciating pain, and working through the courage to bring it up themselves.**”

4. Help us close the gaps in access to care.

"It is extremely difficult for patients to find medical providers who treat these conditions who take insurance and are in a hospital network. A University of Minnesota study found that **over a third of vestibulodynia patients went to more than 15 doctor appointments before getting an accurate diagnosis.** The majority of patients **can't afford** to see an out-of-network specialist or provider. You can help us make this care more accessible by seeking out the education and tools so that **you can treat patients yourself** (rather than needing to refer to a specialist) and by **educating your colleagues!**"

Take Aways

- LISTEN to your patient and THINK CRITICALLY when your knee-jerk reaction is disbelief, dismissive, or minimizing
- BE CREATIVE when making a plan with a patient. Each individual has unique needs and circumstances
- SEXUAL/GENITOPELVIC PAIN IS MULTISYSTEM AND MULTIDISCIPLINARY
 - Biopsychosocial!
 - Use your algorithms to help guide diagnosis
 - Refer to colleagues when needed

Helpful Resources

Books	Clinician Orgs and Websites	Patient Orgs and Websites
<ul style="list-style-type: none"> • When Sex Hurts • Come As You Are (look out for Come Together!) • Becoming Cliterate • What Happened To You? • Menopause Manifesto • Vagina Obscura • I Love Female Orgasm 	<ul style="list-style-type: none"> • ISSWSH (International Society for the Study of Women's Sexual Health) • ISSM (International Society of Sexual Medicine) • Scientific Network on Female Sexual Health and Cancer • AASECT/STAR (Sex therapy/counseling) • NAMS (North American Menopause Society) • ACOG • https://www.academy.pelvicglobal.com/ • https://pelvicguru.com/ 	<ul style="list-style-type: none"> • Tight Lipped • National Vulvodynia Association • Pudendal Hope • Lichen Sclerosus Support Network • OMGYes.com • Rosy App • https://www.sexlab.ca/