Patients With Red, White and Dark Lesions

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Learning Objectives

After this lecture you should be able to:

• Diagnose common and unusual vulvovaginal conditions that are red, white, and dark in appearance
• Discuss the various treatments available for these vulvovaginal diseases
Additional Information

https://medicine.umich.edu/dept/obgyn/patient-care-services/womens-health-library/center-vulvar-diseases/resources-providers

or search Google for

Resources for Providers University of Michigan
ISS/ISH Vulvovaginal Surgery, February, 2015
- Surgical Management of Lichen Sclerosus & Lichen Planus (PPT PDF)
- Current Lichen Planus & Surgery Region (PDF)
- Vulvovaginal Surgery (PPT PDF)
- References (PDF)

Congreso de las Americas en Colposcopia, February, 2015
- Vulvar Disease Clinical Cases (PPT PDF)
- Vulvar Disease Clinical Case Information (PDF)
- Vulvar Disease Clinical Cases Racial/Ethnic Variety (PDF)
- Vulvovaginal Surgery (PPT PDF)
- The Gynecologist's Guide to Sexual Use (PPT PDF)

Multidisciplinary Written Handout, 2015
- Sociedad Latinoamericana de Patología Vulvar, April, 2015
  - Intraductal Suppurative Acne Inversa (PPT PDF)
  - Intraductal Suppurative Handout (PDF)

UC San Diego, April, 2015
- Learn to Live with Lichen (PPT PDF)
- The Assessment of Vulval Disease Handout (PDF)

ACOG, May, 2015
- Vulvar Diseases: What Do You Know? (PPT PDF)

ISSVD Postgraduate Courses, July, 2015
- Your Diagnosis is (PPT PDF)

ACOG District I Annual Meeting, NY, October, 2015
- Vulvar Disorders (PPT PDF)
- Your Diagnosis is (PDF)

SOGBA Argentina, NY, December, 2015
- Surgery for Vestibulodynia (PPT PDF)
- References: Surgery for Vestibulodynia (PDF)
- Vestibulodynia (PPT PDF)
- Vestibulodynia Handout (PDF)
- Clinical Aspects of HPV Infection (PPT PDF)

Please Interrupt for Questions
Test Format
The image shown represents which vulvar condition?
Test Format
The image shown represents which vulvar condition?

A. Erosive lichen planus
B. Paget disease
C. Eczematous dermatitis
D. None of the above

Beef Tongue
A 86 year old woman complains of vulvar soreness and itching that has recurred in the last year.

CHF, recent stroke, DVT

She thinks she had a problem like this 10 years ago but has no records. Topical steroids had made no difference.

A biopsy is performed.
Your Diagnosis Is?

A. Lichen sclerosus
B. VIN differentiated
C. Lichen planus
D. Extramammary Paget’s
Recurrent Paget’s Disease
Which treatment do you not recommend for her recurrent Paget’s?

A. Triamcinolone ointment
B. Laser therapy
C. 5% imiquimod cream
D. Wide local excision

5% imiquimod cream → 9 months
What is the rate of primary Paget’s disease of the vulva being associated with an underlying adenocarcinoma?

A. 1% to 25%
B. 26% to 50%
C. 51% to 75%
D. 76% to 100%

Surgery for Primary Paget’s
A 35 y.o. presents with whitening on the vulva with no loss of labia minora

She is asymptomatic
Your Diagnosis Is?

A. Lichen sclerosus
B. Vitiligo
C. Self inflicted burns
D. Steroid overuse
Vitiligo

Autoimmune condition
Autoantibodies targeting melanocytes

Physical Exam
- Around orifices
- Hands
- Anywhere

VITILIGO
- Wood’s lamp (~365nm)
- Bright blue if depigmented
  - No melanocytes
- Subtle blue if hypopigmented
  - Less melanin
Vitiligo

Associations
- Other AI conditions – Ask Thyroid ROS

Treatment
- Topical steroids, calcineurin inhibitors
- Excimer laser, UVB

Generally leave genital vitiligo alone

Which Box Below Best Describes Lichen Sclerosus?

Stark white
No atrophy (wrinkling)
No petechiae/purpura
No scarring
Asymptomatic

White to violet
Atrophy (wrinkling)
Petechiae/purpura
Scal
Often symptomatic

A.
B.
A 29 y.o. G4P4 is referred to you by a dermatologist for pigmentation on her vulva. A biopsy has revealed atypical junctional melanocytic hyperplasia with moderate atypia (compound nevus with moderate atypia).
What Treatment do you Recommend?

- [x] Laser
- [x] Wide local excision(s)
- [x] Radical vulvectomy
- [ ] No treatment. Observation only.
What Treatment do you Recommend?

- A Laser
- B Wide local excision(s)
- C Radical vulvectomy
- D No treatment. Observation only.
Melanoma of the Vulva and Vagina

Four types
- Lentigo malignant melanoma
- Superficial spreading
- Nodular melanoma
- Mucocutaneous melanoma

What eponyms are used to describe melanoma levels?

A  Clark
B  Breslow
C  Chung
D  All of the above
Which eponym is used most commonly to describe vulvar melanomas?

A  Clark
B  Breslow
C  Chung

A 64 y.o. G4P4 was recently diagnosed with lichen sclerosus (no biopsy performed). She was started on clobetasol propionate. She calls complaining of vulvar pain.
Your Diagnosis Is?

A. Lichen planus
B. Pemphigoid
C. Lichen sclerosus with herpes
D. Invasive squamous cell carcinoma
How many different types of herpes viruses affect humans?

A. 2  
B. 4  
C. 8  
D. 80
Herpesviruses

<table>
<thead>
<tr>
<th>Type Name</th>
<th>Subfamily</th>
<th>Target cell</th>
<th>Latency</th>
<th>Transmission</th>
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<tbody>
<tr>
<td>1,2 HSV</td>
<td>Alphaherpesvirinae</td>
<td>mucoepithelia</td>
<td>neuron</td>
<td>contact</td>
</tr>
<tr>
<td>3 VZV</td>
<td>Alphaherpesvirinae</td>
<td>mucoepithelia</td>
<td>neuron</td>
<td>contact or respiratory</td>
</tr>
<tr>
<td>4 CMV</td>
<td>Betaherpesvirinae</td>
<td>epithelia, monocytes</td>
<td>lymphocytes</td>
<td>contact</td>
</tr>
<tr>
<td>5 EBV</td>
<td>Gammaherpesvir.</td>
<td>B lymphocyte</td>
<td>B lymphocyte</td>
<td>saliva</td>
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<tr>
<td>6,7 HLV</td>
<td>Betaherpesvirinae</td>
<td>T lymphocyte</td>
<td>T lymphocyte</td>
<td>Respiratory</td>
</tr>
<tr>
<td>8 KSHV</td>
<td>Gammaherpesvir.</td>
<td>Endothelial cells</td>
<td>Unknown</td>
<td>body fluids</td>
</tr>
</tbody>
</table>

http://en.wikipedia.org/wiki/Herpesviridae

What percent of people with HSV-2 are unaware that they are infected?

A. 10-20%
B. 21 – 40%
C. 50- 70%
D. Over 80%
Thalidomide

• Inhibits TNF-α, IL-6, IL-10 and IL-12 production
• Modulates the production of IFN-γ
• Enhances the production of IL-2, IL-4 and IL-5 by immune cells
• Inhibits NF-κB and COX-2 activity
• It increases lymphocyte count, costimulates T cells and modulates natural killer cell cytotoxicity
Great Job!