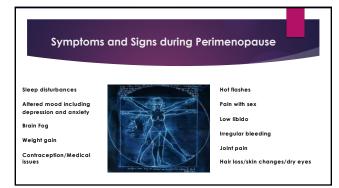


Disclosures

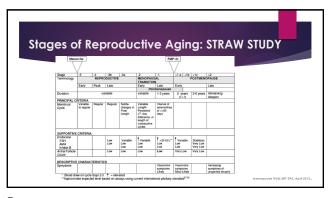
• None

2

1



1. Identify the stages for menopause in order to understand which treatment options work best in each stage.
2. Identify the role of contraception in the perimenopausal stage.
3. Review treatment options for vasomotor symptoms.
4. Review common treatments for sexual dysfunction symptoms

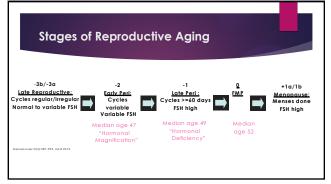


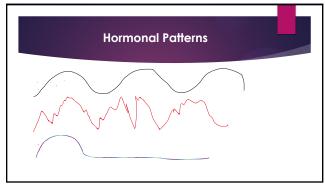
Menopause: 12 months without a period

• Median age 51-52
• Late after 55
• Early before 45
• Prior to age 40 is Premature Ovarian Insufficiency

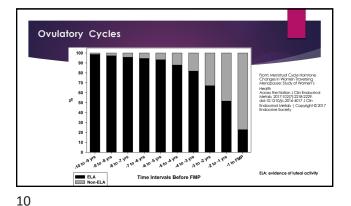
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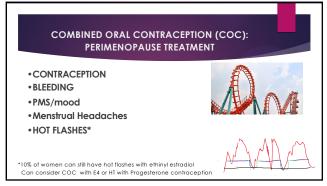
5











When do you stop COC?

Contracapitos in Perimanguase

Coution is recommended given age >45 yrs has higher risk of thromboembolism

COC increases risk of MI and stroke vs nonusers but no difference with age

Menopause Society: Assuming that there are no contraindications/comorbidities, women can remain on a low-dose COC including the vaginal ring and contraceptive patch, until age 55." Balance risk vs potential benefit

85% of women are menopousal by age 52, 90% by 55

No Data to support that lower dose COC have less risk of thromboembolism: consider 10 or 20mg pill

Ideagrant, Republication and and of constant with harmonic contraception. No 10 2012; 102:234-244.

Malangual, Republication and and of constant with harmonic contraception. No 10 2012; 102:234-244.

Malangual, Republication and and of constant with harmonic contraception. No 10 2012; 102:234-244.

Malangual, Republication and Malangual with harmonic contraception. No 10 2012; 102:234-244.

Malangual, Republication and Malangual with harmonic contraception. No 10 2012; 102:234-244.

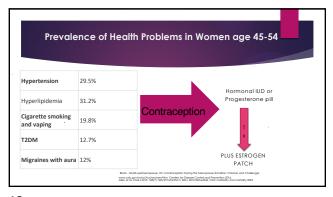
Malangual, Republication and Malangual with harmonic contraception. No 10 2012; 102:234-244.

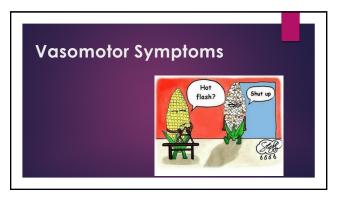
Malangual, Republication and Malangual with harmonic contraception in 10 2012; 102:234-244.

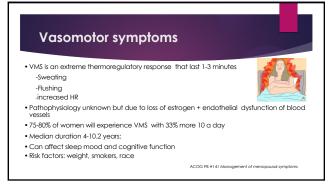
Malangual, Republication and Malangual with harmonic contraception in 10 2012; 102:234-244.

Malangual, Republication and Malangual with harmonic contraception in 10 2012; 102:234-244.

Malangual, Republication and Malangual with Malangual wi



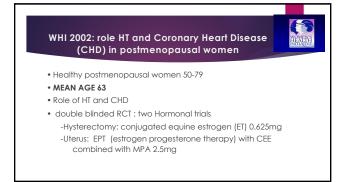


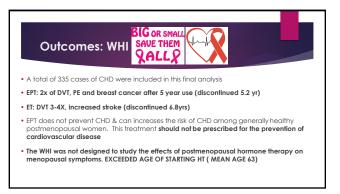


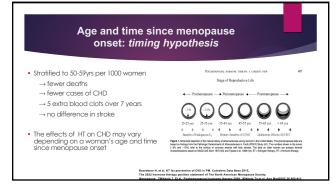


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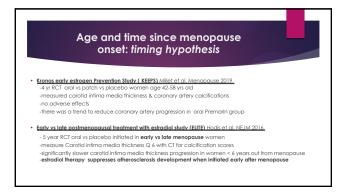








19 20



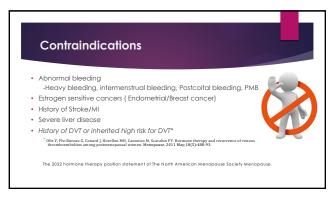
Premach E3N cohort study: different E+P therapies & risk of breast cancer - No difference in route of E for cancer risk - Choice of P is important in breast cancer risk - Dydrogesterone (not available in the us)

Promoted in the production of th

21 22

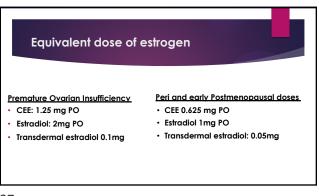






Formulations of Systemic Estrogen HT for VMS *if has uterus must add progesterone Oral <u>Iransdermal</u> Drug Name Dose Drug Name Conjugated 17-estradiol matrix 0.014-0.1mg daily or twice a estrogen (CEE) patch week 17-estradiol gel Divigel, 0.025-1g daily Synthetic CE Cenestin 0.3-1.25 mg Estrogel 17-estradoil sprav 1-3 spray daily 17B-estadiol 0.3-1.25 mg Estrace 12.4mg or Estradiol acetate Femtrace 0.45-1.8mg Estradiol acetate Femring 24.8mg for 90d (release 0.05mg/d or 0.10mg/d) ring Estropipate Othro-est 0.625-5mg

25 26





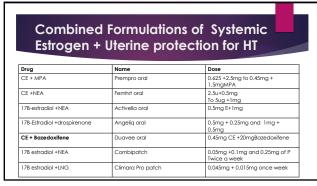
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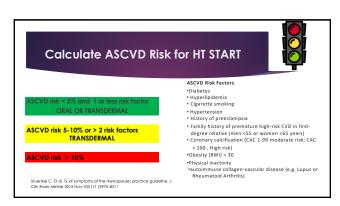
Oh sweety it's not a hot flash, it's a power surge. **Progesterone: Endometrial Protection** Continuous =Daily surge. Cyclic =12 continuous days a month Name Side Effect 2.5mg-5mg continuous/5mg cyclic Medroxyprogesterone acetate (MPA) WHI study: breast CA, DVT 0.5-1 mg continuous/2.5 mg cyclic Mood, insomnia, Finish study: Breast CA, DVT Norethindrone acetate (NEA) Aygestin Norethindrone Micronor* 0.35mg continuous*/ 0.7mg cyclic 100mg -200mg continuous/ 200mg cyclic Micronized progesterone Slynd* Decreased libido Drospirenone 4mg/d Levonorgestrel Mirena/Lilleta* 20ug/d Irregular bleeding

30



Potential Adverse events of EPT or ET • Irregular bleeding (consider dose changes, or progesterone) • Mood changes (consider switching progesterone) • Breast tenderness Abdominal bloating Fluid retention • Headache Gallstones

31 32



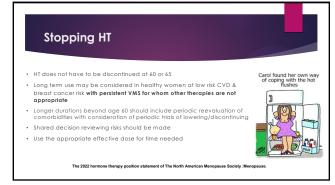
Menopause \$10ge/Age

With uterus

40-45 Fremature/early menopause * -Estradial patch 0.1mg/24 for oral estradial patch 0.1 mg patch or oral gradial gr

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Concerns about compounded bioidentical hormone therapy

Unique concerns about safety surround use of compounded bioidentical hormone therapy

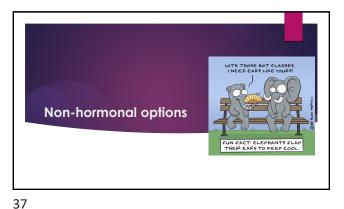
Lack of regulation and monitoring

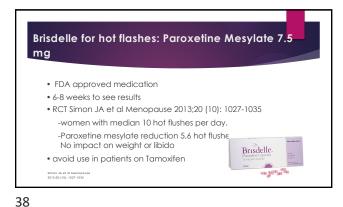
Possibility of overdosing or under dosing

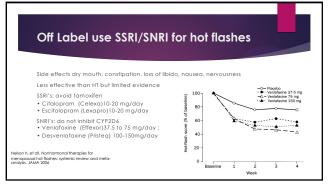
Lack of scientific efficacy and safety data
Lack of a label outlining risks

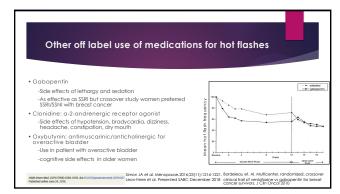
No evidence to support use of routine serum or salivary hormone testing

35 36

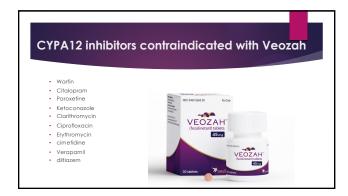




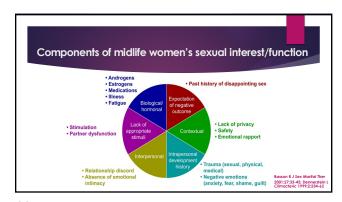






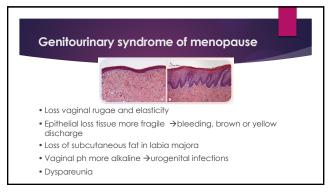


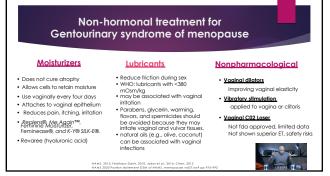


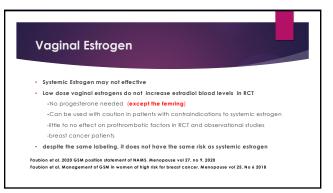


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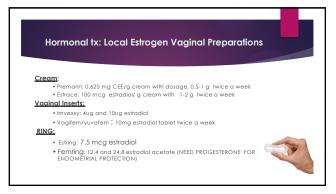






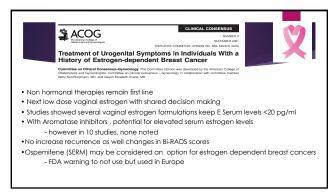


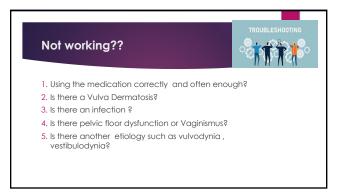
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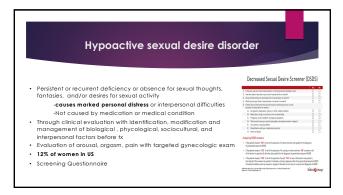


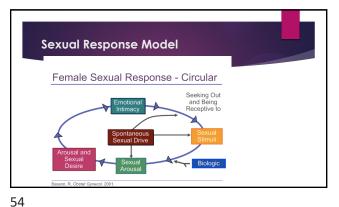


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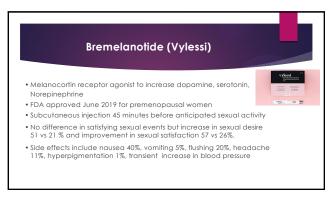








55 56



Global Consensus Position Statement on the use of Testosterone Therapy for Women*
Susan R. Davis**** Radney Balber***, Nicholas Panay***, Johannes Bitzer**, Sonia Cerdas Perez**,

- The only evidence-based indication for testosterone therapy for women is HSSD in postmenopausal women

- Meta-analysis shows no adverse effects in low risk women (high CVD risk excluded)

- Long term safety has NOT been established.

- Blood levels should not be used to diagnose HSDD, Testosterone formations should target normal physiological levels within premenopausal levels

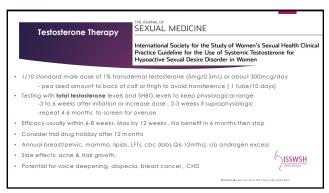
- Compounded testosterone preparations are not recommended

- Male formulations can be judiciously used in female doses with serum testosterone concentrations monitored regularly.

- More research is needed for women.

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1. Contraception not only prevents pregnancy but can help with perimenopausal symptoms.

Progesterone only contraception can be used in conjunction with ET to treat VMS in some women who have contraindaction to CoC.

2. A variety or hormonal and nonhormonal options exist to treat VMS. Hormone therapy is most the effective tx with high benefit to risk ratio in women 60yrs and 10 yr from LMP. Risks differ for women depending on doses, duration, formulation and timing of initiation.

3. Hormonal and nonhormonal tx are effective treatments for genitourinary syndrome of menopause. Although product label for low dose vaginal ET note risks associated with systematic HT, clinical trials show that these risks are highly unlikely due to minimal systemic absorption.

4. Sexual dysfunction among women is common and is usually multifactorial. Pharmacological treatment can help with along with a biophysical appraach for improving sexual health. While there are no FDA approved medications for postmenopausal women, 1/10 of dose male formulations can be used safely with monitoring.

