

WHAT'S THIS MENOPAUSE STUFF ALL ABOUT?

- Perimenopause
- Menopause
- ◆ Postmenopause
- ◆Induced menopause
- Surgical menopause
- Premature menopause

MENOPAUSE

- "A normal physiological event, defined as the final menstrual period (FMP) and reflecting loss of ovarian follicular function"
 - ◆ <u>Spontaneous/Natural Menopause</u> Diagnosed retrospectively after 12 months of amenorrhea.
 - ◆ Can occur between 40 58 years of age
 - ◆ Average age: 51
 - Induced Menopause Cessation of menses following surgery (oophorectomy) or iatrogenic ablation of ovarian function (chemotherapy, pelvic radiation)

MENOPAUSE

- Premature Menopause Definitive cases of menopause prior to age 40 (i.e. surgical removal of ovaries)
- ◆Early Menopause Menopause occurring between the ages 40-45. (5% of women experience)
- ◆ <u>Primary Ovarian Insufficiency</u> Transient or permanent loss of ovarian function leading to amenorrhea in women less than 40 years of age. (affects 1% of women).

LET'S TALK ABOUT "PERIMENOPAUSE"

- Recently termed Menopause Transition
- Physical signs and symptoms preceding the final menstrual period (FMP)
- These are physiological changes that are related to menopause.

POST MENOPAUSE

◆All the years following menopause (more than one year from last menstrual)

MENOPAUSAL SYMPTOMS

VASOMOTOR SYMPTOMS

The sudden onset of intense heat sensation in the upper body.

Usually affects the face, chest & neck

VAGINAL SYMPTOMS

Multiple symptoms that are associated with the hypoestrogenic state arising from the natural physiological changes of menopause and aging

- Vaginal discharge, itching, burning
- Dyspareunia
- Postcoital bleeding
- Vaginal or vulvar dryness



VASOMOTOR SYMPTOMS

- @ Hot flushes
- Night sweats
- Perspiration
- Chills
- **@** Clamminess
- Severity related to:
 - Ethnicity & race
 - @ High BMI
 - @ Smoking
 - Lack of physical activity



THE HOT FLASH



- Initiated from a specific part of the brain – hypothalamus
- Involves increase in core & skin temperature
- Involves increase metabolic rate

THE HOT FLASH



- \diamond Sweating
- ♦ Increased heart rate



WAYS TO "BEAT THE HEAT"

Most Effective Treatment for Vasomotor Symptoms

Hormone therapy

- Estrogen therapy alone
- Combination estrogen-progestin therapy

HORMONE REPLACEMENT THERAPY - THEN & NOW

- 1960's Estrogen replacement therapy is born as treatment for vasomotor symptoms.
- 1970's Concept of "Remaining Feminine Forever" is established by Dr. Robert Wilson
- mid-1970's Estrogen use declines from its link to endometrial cancer
- 1980's Combination hormone therapy is born. Estrogen therapy increases from addition of progesterone -(protective)
 - -Osteoporosis prevention determined to be benefit of HRT
 - -Decrease in Coronary Heart Disease determined by studies
- 2002 Significant decrease in HRT secondary to WHI Trial
 - -Increase heart attack & breast cancer revealed in studies

SO WHERE ARE WE NOW WITH HRT?

- ♥ HRT does not prevent coronary heart disease in healthy women
- ▼ Risk of coronary heart disease is primarily increased in older women on HRT
- ♥ Risk of coronary heart disease is primarily increased in women many years beyond menopause
- ♥ No increase risk of coronary heart disease revealed in women ages 50-59 yrs or women within 10 yrs of menopause
- ♥ Stroke increased with hormone therapy, however risk is minimal in young women

Shifren and Schiff, Hormone Therapy, Obstetrics & Gynecology, Vol 115, No. 4, April 2010

SO WHERE ARE WE NOW: THE WHI TRIAL SUMMARY

INCREASE RISK OF: DECREASE RISK OF:

Breast cancer Fractures

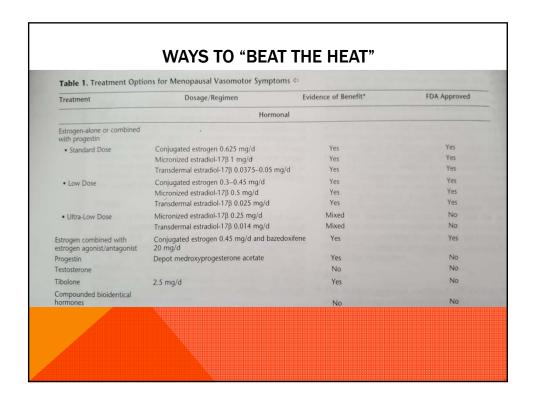
Coronary heart disease Colon cancer

Stroke

VTE

SO WHERE ARE WE NOW WITH HRT?

- Reanalysis of the WHI results in younger women
 - Women were < 60 years old
 - Women were within 10 years of menopause
 - Results:
 - HRT may be cardioprotective in this group
 - A follow up study with 13 years of data later concluded that the risks of the conjugated equine estrogen and metdroxyprogesterone acetate outweighed the benefit
 - A 2012 Cochrane review of HRT (based upon 23 studies of more than 42,000 women concluded that: HT should not be used for primary or secondary disease prevention due to the risks outweighing the benefits



	Nonhormonal		
SSRIs and SSNRIs		No	No
Paroxetine	7.5 mg/d	Yes	Yes
Clonidine	0.1 mg/d	Yes	No
Gabapentin	600–900 mg/d	Yes	No
Phytoestrogens		No	No
Herbal Remedies		No	No
Vitamins		No	No
Exercise		No	No
Acupuncture		No	No
Reflexology		No	No
Stellate-ganglion block		Yes	No
Compared with placebo. O4 Practice Bulletin	n Management of Menopausal Symptoms		OBSTETRICS & GYNECOLOG

TREATMENT OPTIONS

Lifestyle Changes
Alternative Medicine (nonhormonal)
Acupuncture
Exercise

WAYS TO "BEAT THE HEAT"

Reasonable Options for the Treatment of Vasomotor Symptoms

Life style changes

- Reducing body temperature
- Consuming cool drinks
- Layer clothing
- Avoid caffeinated drinks and alcohol

WAYS TO "BEAT THE HEAT"

Options for the Treatment of Vasomotor Symptoms

Nonprescription medications

- Isoflavone supplements No evidence of benefit
- Soy products
- Black Cohosh Insufficient data to recommend use of this or other herbal remedies
- Vitamin E Limited data on effectiveness

