The Women's Health Initiative: Hormone Therapy Trials

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INSIDE HARKEN AND HALLIBURTON • THE OLDEST SKULL New State S

A New Study Raises Fears About the Risks For Millions Of Women. Here's What You Should Do

Beyond Hormone Therapy

ULY 22, 2002 WALL STREET: LOSING SAVINGS-AND TRUST NCESTOR? to stop tak Hormone-replacement therapy is riskier than advertised What's a woman to do? www.time.com AOL Keyword: TI MARTHA'S HARD TIME • KERRY'S VP HUNT

U.S.News world report

THE

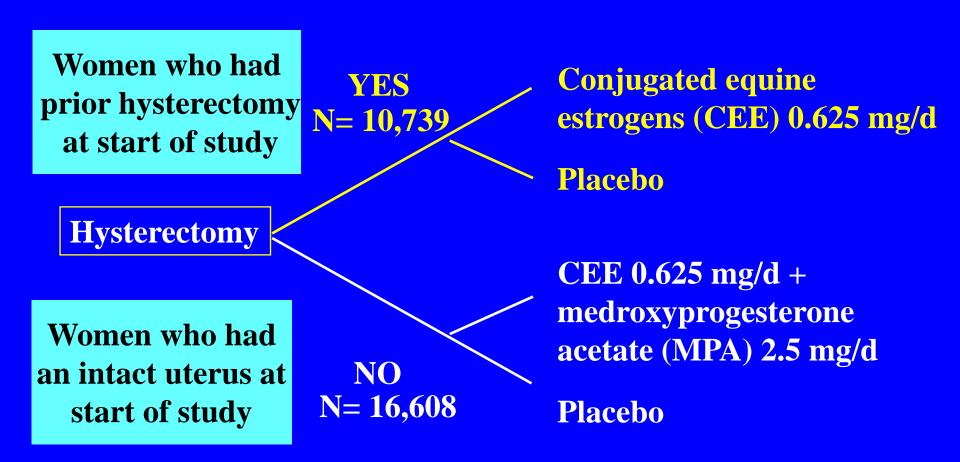
MENOPAUSE Maze

WHAT WOMEN NEED TO KNOW NOW

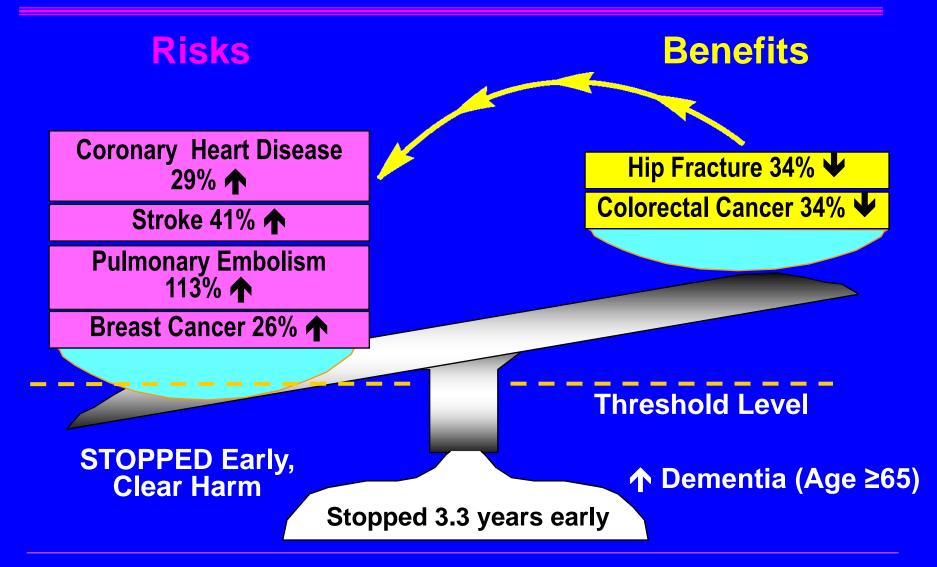
NEW RISKS AND REWARDS OF TREATMENT

HOW MEN ARE AFFECTED

Women's Health Initiative (WHI), Ages 50-79 Hormone Program Design

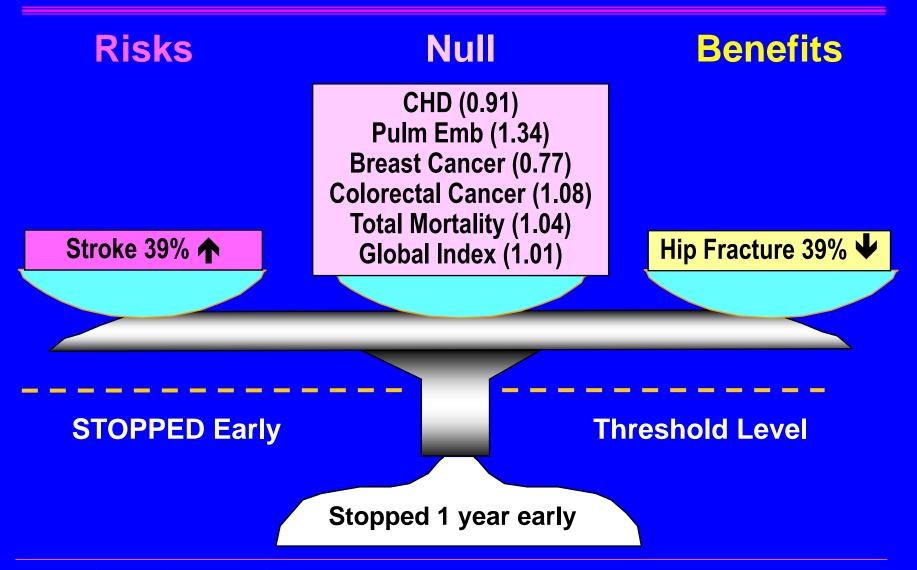


WHI Estrogen+Progestin Trial Findings, July 2002 (N=16,608; mean age 63 yrs; mean follow-up 5.2 yrs)



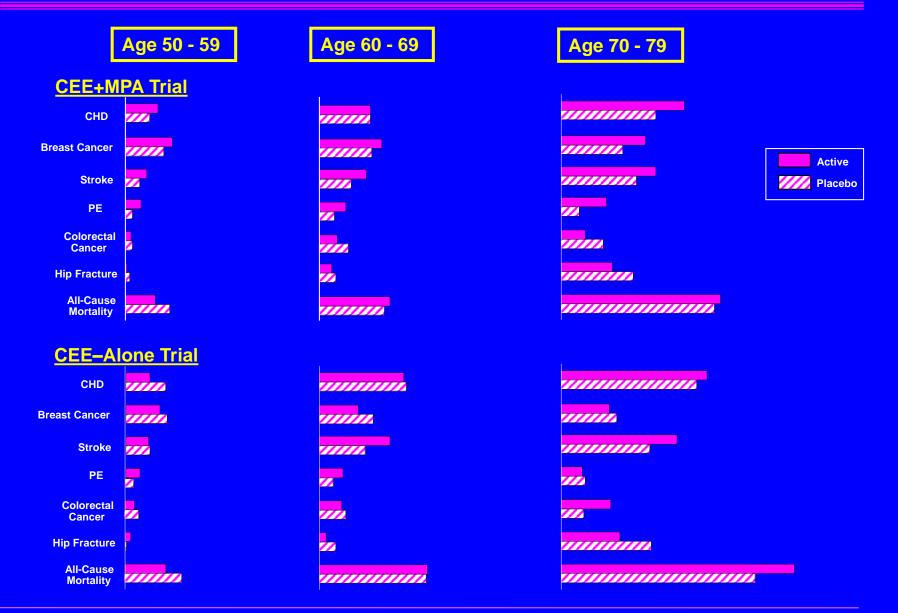
Adapted from data in: Writing Group for the Women's Health Initiative. JAMA 2002;288:321.

WHI Estrogen-Alone and Health Outcomes (N=10,739; mean age 63.6 yrs; mean follow-up 6.8 yrs)



Adapted from data in: Anderson G, et al. JAMA 2004; 291:1701.

WHI Hormone Therapy Trials: Absolute Risks (<u>cases per 10,000 person-years</u>) for Outcomes in the Estrogen-Progestin and Estrogen-Alone Trials, by Age Group



Source: Manson JE, Chlebowski RT, Stefanick ML, et al. JAMA 2013.

WHI HT Trials: Summary of Results for Primary and Other Major Endpoints by Study Phase

Major Endpoints	Intervention		Post-Intervention	
	CEE+MPA	CEE	CEE+MPA	CEE
СНД	0	0	0	0
Breast cancer		•		•
Stroke			0	0
PE		0	0	0
Colorectal cancer	•	0	0	0
Endometrial cancer	0	NA	ŧ	NA
Hip fracture	•	•	0	0
All-cause mortality	0	0	0	0
Global index	+	0	0	0

Source: Manson, Chlebowski, Stefanick, et al. JAMA 2013;310:1358-68.

Estrogen+Progestin Therapy and Risk of Heart Attack in WHI: Results According to Time Since Menopause

Time since
Menopause OnsetHR<10 yrs</td>Neutral10-19 yrsSlightly \uparrow ≥ 20 yrs $2x \uparrow$ P, interaction = 0.01

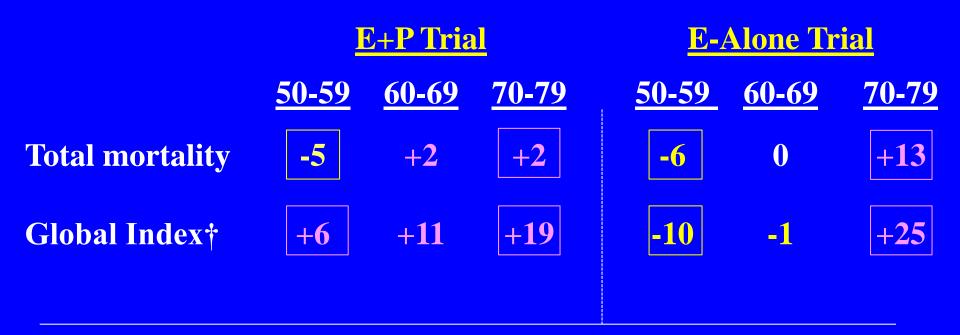
Source: Manson JE, Chlebowski RT, Stefanick ML, et al. JAMA 2013.

WHI Estrogen-Alone Trial: Results for Heart Attack by Age Group

Age Group	<u>Risk</u>
50-59	\mathbf{V}
60-69	\leftrightarrow
70-79	$\mathbf{\uparrow}$
	P, interaction = 0.02

Source: Manson JE, Chlebowski RT, Stefanick ML, et al. JAMA 2013.

Absolute Risks (Cases per 1000 Women Over 5 Years) by Age in the WHI HT Trials



†Global index is a composite outcome of CHD, stroke, pulm embolism, breast cancer, colorectal cancer, endometrial cancer, hip fracture, and mortality.

Source: Manson, Chlebowski, Stefanick, et al. JAMA 2013;310:1358-68.

Conclusions

- Current evidence does not support the use of HT for the prevention of cardiovascular disease or other chronic diseases (due to increased risk of venous blood clots and stroke/breast CA [E+P] in all age groups).
- A personalized approach to decision making is recommended for women with menopausal symptoms.
- The best candidates for systemic HT are recently menopausal and symptomatic women in generally good health (low absolute risks and greater quality-of-life benefits).
- Additional studies of different HT formulations, doses, routes of delivery, and of non-hormonal options are needed.

Thanks to the Participants, Investigators, and Staff of WHI and other Research Studies



Thank you!