NEW ADVANCES IN THE MECHANISMS BEHIND WEIGHT GAIN AND DIABETES POST-MENOPAUSE... COULD GIVE SOME NEW HOPE FOR WOMEN.

VO
(Post-Menopause Breakthrough - East Carolina University)
(Courtesy: ECU)

EAST CAROLINA UNIVERSITY POST DOCTORAL SCHOLAR... DR. MARIA TORRES HAS BEEN STUDYING MITOCHONDRIA... WHICH ARE THE ENGINES OF MUSCLE CELLS. SHE AND COLLABORATORS IN THE NEUFER (NEW-FUR) LAB DISCOVERED THAT THE LOSS OF ESTROGEN DUE TO MENOPAUSE COMPROMISES THE EFFICIENCY OF THESE ENGINES... WHICH THEN TRANSLATES INTO WEIGHT GAIN AND INSULIN RESISTANCE.

SOT
(Dr. Maria J. Torres – ECU Diabetes and Obesity Institute)

The problem is that hormone therapies are usually not the best for every woman. Understanding the molecular mechanisms by which estrogens affect mitochondrial function and metabolism, can help us in the development of safer pharmacological interventions. (19 sec)

VOCONT
THE FINDINGS WILL BE PUBLISHED IN THE JOURNAL CELL METABOLISM.