# Impacts of Menopause Hormone Therapy on Mood Disorders Among Postmenopausal Women

# Generalized linear regression model

Model 1 was analyzed for MHT on mood disorders.

Model 2 was adjusted for age

Model 2 was adjusted for age, education, and BMI.

Model 3 was adjusted for age,

Model 3 was adjusted for age, education, BMI, age of menopause, and postmenopausal time.

#### 315 cases in total:

200 non-MHT controls and 115 MHT patients

### **PSM** analysis

by matching the menopausal age and duration of menopause at the ratio of 1:1

#### 230 cases were selected:

115 non-MHT controls and 115 MHT patients

#### Inclusion criteria for MHT cases:

- 1) patients were defined in the stage of at least +1C inaccordant with the STRAW
- 1 10 classification
- 2) postmenopausal women received MHT for at least three years
- 3) MHT regimen conformed to the guidelines and was reviewed by two gynecologic experts

#### Exclusion criteria for MHT cases:

1) the use of psychotropic drugs in the past half a year

#### For control cases:

1) cases without MHT were mainly recommended by the members of the medication group

## **Depression evaluation**

**CES-D** scores

**Anxiety evaluation** 

GAD-7 scores

Stratification analysis by BMI levels

grouped by BMI < 24 or BMI >= 24