

## OESTROGEN RELATED FEATURES AND GYNAECOLOGICAL SERVICE USE IN DELUSIONAL DISORDER

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**Introduction:** Oestrogens may be a protective factor in psychosis. Women with schizophrenia have a later age of menarche, fewer pregnancies and earlier age of menopause. However, little information is available focusing on delusional disorder (DD).

**Objectives:** To evaluate gynaecological variables and psychopathology in women with DD.

**Aim:** To investigate the relationship between age of menarche and onset, and psychopathology in DD.

**Methods:** Forty-five outpatients with DD (DSM-IV-TR) were recruited at the Hospital Clinic of Barcelona, from 2008 to 2012. Twenty-five females underwent a demographic and gynaecological questionnaire. HRSD-17 for depression, PANSS for psychopathology, PSP for functionality and C-SSRS for suicide were assessed. The sample was divided into two groups according to the age of menarche: 12 years or less and more than 12.

**Results:** Mean age of menarche (SD) was 12.6(1.4) years, mean age of menopause 49.1(3.15), mean age at onset of DD was 49.9(12.58). 33.3% of the sample did not receive gynaecological service in the last 3 years. The group with the earliest age of menarche was older [67.33(11.67) vs.56(9.6);  $p=0.026$ ], presented an earlier age of menopause [46.80(2.84) vs.50.71(2.29)  $p=0.018$ ] and latest onset of DD (53.50(14.32) vs.47.44(11.5);  $p=NS$ ), than those with later age of menarche. No differences were found regarding psychopathology, suicidal behaviour or functionality.

**Conclusions:** Although a small sample size, this is the first study to specifically examine gynaecological variables in DD. A low compliance rate in gynaecological service use was found. An earlier age of menarche was associated to an earlier age of onset of DD.