

## Association of ovarian tumors with CA-125

**Judith Elena Martínez Acosta**

Mexican Institute of the Social Security, Mexico

**Background:** The tumor marker CA-125 is the most widely used serum marker for ovarian cancer screening.

**Aim:** The aim of this paper was to establish the association between histopathologic result of ovarian tumors with serologic CA-125 and utility for the diagnosis of ovarian tumors at a Gyneco-obstetric hospital.

**Methods:** An observational, retrospective, descriptive and longitudinal study was done from September 1st 2010 to February 28th 2013. All patients with histopathologic report ovarian tumor and CA-125 was selected to analyze the association of ovarian tumors with their histological type, biological behavior, range positivity of CA-125 and its relationship to the pre and postmenopausal state.

**Results:** Of 1213 patients, 334 were included. Utility of CA-125 in postmenopausal reported positive predictive value of 67.5%, with sensitivity (72%), specificity (82.6%) and negative predictive value (86.1%), both with  $p=0.001$ , mainly in the epithelial origin. In premenopausal, a low positive predictive value was reported.

**Conclusions:** The CA-125 is useful for screening for ovarian cancer in postmenopausal women, mainly for epithelial origin.

judelenamtz@yahoo.com