

## **Investigation of Ca125 in reproductive female system pathologies**

Name: Admir M. Nake  
University of Medicine, Tirana, Albania



Introduction.: Ca125 is a validated surrogate tumor marker as a part of diagnosis, treatment screening and prognosis of ovarian and paraovarian cysts or tumor mass.

Aim.: Comparative assessment of importance of Ca125 in female reproductive system pathologies.

Material and Methods.: We investigate 283 women, diagnosed with reproductive system pathologies, near “ King Geraldine” and “Koco Gliozheni” Hospital Centers, during 5 years( 2007-2012). Determinations of Ca125 were realized with immunoenzymatic methods.

Results.: Ca125 values (U / ml): control group =  $8.5 \pm 4.93$  compared with fibromioma =  $23.7 \pm 12.6$ ( $p < 0.0001$ ), no endometrial ovarian cysts  $16 \pm 11.6$  compared with endometrial cysts:  $87.8 \pm 55.3$ (  $P < 0.0001$ ) ovarian cancer stage I-II =  $94.3 \pm 46.3$  compared with ovarian cancer stage III-IV:  $826 \pm 731$ .(  $p < 0.0001$ )

Conclusions.: Determination of Ca 125 is important part of clinical practice, included in diagnostic algorithm of ovarian tumor mass. Ca 125 is a classical validated tumor marker with statistical significance between our subgroups.(  $P < 0.0001$ )

Key word.: tumor mass, ovarian cancer, Ca125, cyst

### **Biography**

Admir M. Nake has completed his PhD at the age 40. He offer expertise in lab.medicine, microscopy, imunoenzymology, biochem assays, biomarkers, lab as a part of public health policy in Albania, with aim to update point of view in diagnosis, monitoring and prognosis criteria, in education and curricula of lab staff, environment projects and application of principles of Aarhus convention. He has published the book “ Applied Biochemistry, part I” in Albania, more than 30 papers in conferences and journals in national and international levels. He is editorial board member of 2 journals, one of them in international level.

### **Presenting author details**

Full name: Admir Nake

Contact number:+355684094696

Twitter account:Admir Nake

Linked In account:Admir Nake

Breast and ovarian cancer/ number:11

Category: (Poster presentation)

