

## **PROGNOSTIC SIGNIFICANCE OF ANDROGEN RECEPTORS ESTIMATION IN PATIENTS WITH TRIPLE NEGATIVE BREAST CANER TNBC**

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### **RATIONAL;**

part of the breast cancer patients are lacking both hormonal receptors and HER2 neu expression ,and they represents about 25 % of all breast cancer patient. Those patients usually treated after surgery by only chemotherapy without any hormonal treatment or anti HER 2 medication Some studies stated that TNBC is not one type , but there is at least four types ,one with estrogen receptors beta over expression, one with BRCA gene mutations, and one without any known change and the last one is with androgen receptors over expression

### **STUDY**

This study was on 45 cases of TNBC treated at both Ain shams clinical oncology dep, and Egypt air hospital, in the period between APRIL 2015 AND MARCH 2018 with pathologically documented diagnosis of TNBC, Androgen receptors staining was done using immune histo chemistry using mono clonal muren antibody against them ,In a quantitative method

Strong staining for androgen receptors was found in 10 cases (22%), those patients had bigger tumors ,advanced grade, greater number of lymph nodes involvement, higher value of KI67

### **CONCLUSION**

Androgen receptors is a very promising prognostic tool in TNBC, and further more anti androgen therapeutics may be considered in treatment of those patients