

# 4<sup>th</sup> Glycobiology World Congress

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## Predicting power of fasting blood glucose as a risk factor of metabolic syndrome among recently diagnosed breast cancer Jordanian women

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Breast cancer (BC) is leading cause of cancer-related deaths among women worldwide. Diabetes is a metabolic risk factor has been linked to BC. This study aimed to evaluate the fasting blood glucose (FBG) as risk factor of metabolic syndrome among BC patients. The FBG of 396 recently diagnosed BC patients aged between 30–75 years attending BC clinics were measured and optimal cut-off points, area under the curve, sensitivity, specificity and probability of FBG for identifying metabolic syndrome risk factors according to age were evaluated. The area under the curves of FBG were significant ( $p < 0.05$ ) for predicting metabolic syndrome in the age groups of 30–40 years (0.74), 41–50 years (0.73), 51–60 years (0.71) and 60 years (0.78). The cut-off points of FBG were found to increase with the increase in the age of BC patients. Closer attention for FBG level among BC women must be warranted by health care providers and cut off point among BC patients must be further investigated.

### Biography

Safaa A Al-Zeidaneen—MSc, PhD, BCNSP—is an Assistant Professor in field of Pharmaco-Nutrition at Al-Balqa' Applied University. She has the American Board of Pharmacy Specialist: Nutrition Support Pharmacy (2016), PhD in Human Nutrition and Dietetics (2014), MSc in Clinical Pharmacy (2008) and BSc in Pharmacy (2006).

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