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Knowledge and barriers toward breast cancer screening among Vietnamese women: From population-based survey in Hanoi city, Vietnam

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Background: Breast cancer is the most common cancer in many countries in Asia, including Vietnam. However, breast cancer screening program has not been designed and implemented in Vietnam. The investigation knowledge and barriers on breast cancer screening is needed to prepare effective nationwide breast cancer screening program.

Study Objective: This study was conducted to assess the knowledge as well as some barriers among common target population for breast cancer screening in Vietnam.

Methods: This study was designed as population-based survey which conducted from January 2017 to March 2017 in Hanoi, Vietnam. A structured questionnaire is composed of 50 questions to evaluate the knowledge, barriers and other demographics factors. Women who aged over 30 with having family history of breast cancer and aged 40 or over years old were attended.

Results: Total 976 women were included in final analysis. Mean age of study population was 51.7 ± 7.9 . Among them, 32.2% had education level lower than high school, 34.84% had education level of high school and 32.89% had education level higher than high school. We found statistically significant association between education level and knowledge of breast cancer. Among those with higher education level group, barriers regarding mammography screening test were scare if something abnormal was found and mammography could be harmful due to the x-ray. In logistics regression model, knowledge about screening breast cancer (OR 2.28, 95% CI: 1.48-5.51), experience to get mammography for screening breast cancer (OR 1.79, 95% CI: 1.07-2.97) and willingness to get mammography for screening breast cancer (OR 2.29, 95% CI: 1.08-4.88) were significantly higher in higher education group than lower group.

Conclusion: Breast cancer screening program is under investigation to expand nation-wide level in Vietnam. Therefore, findings from this study can be considered when developing the national program.

Biography

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