

< Invited Talk >

Breast cancer and Medical Anthropology: A novel therapeutics ahead

Dr. Walaa Saad Hanafy, Msc, PhD

Biological Anthropology Department,
Medical Research Division, National Research Centre,
Cairo, Egypt
(Affiliation ID: 60014618)



Background:

Breast cancer (BC) is now ranked the most common cancer worldwide¹. Incidence of breast cancer varies remarkably among different ethnicities where breast cancer transition has been observed from developed countries toward Asia and Africa². In Egypt, it is the most common malignancy among womanhood and accounts for 32 % of cancer in women³. In Asian, especially in Japan and Singapore the change of life style and improvement of the living standard lead to increase the secular trend of breast cancer mortality⁴. Among the risk factors to develop cancer in general, infectious agents are known to be the third highest after tobacco usage and obesity, contributing to about 15–20% of BC incidence⁵. BC therapy is in urgent need for novel preventive and curative approaches with more safety than the present one seems inevitable⁶. Medical anthropology is a multi-disciplinary approach to the medical sciences and humanities, where this approach consists of the history of diseases, studying the anatomical characteristics of individuals as well the molecular variations in the immune systems, the anthropometric measurements (physical anthropology), designing regional guidelines for management of disease⁷.

References

1. The online GLOBOCAN 2018 database at <http://gco.iarc.fr/>, as part of IARC's Global Cancer Observatory.
2. Mubarik S et al. Recent insights into breast cancer incidence trends among four Asian countries using age-period-cohort model. *Cancer Manag Res.* 2019; 11:8145–8155.

**Graduate School of
Interdisciplinary Science and Engineering in Health Systems
Okayama University**

3.1.1 Tsushima-Naka, Kita-ku, Okayama 700-8530, Japan



Certificate of Appreciation

We are pleased to present this Certificate of Appreciation to

Dr. Walaa Saad Hanafy Mahmoud, Msc, PhD

For having a lecture on

**“Breast cancer and Medical Anthropology:
A novel therapeutics ahead”**

during the 11th International Symposium for Future Technology Creating Better
Human Health and Society

**Interdisciplinary Science and Engineering in Health Systems and
Medical Anthropology: The Points of Glocal View**

organized by the Graduate School of Interdisciplinary Science and Engineering in
Health Systems, Okayama University,
supported by Okayama Prefecture and Okayama City
and held at Okayama, Japan on the 21st and 22nd of January 2020

Masaharu Seno, Ph.D., Dean
Representative of the symposium