

Genetics and Genomics of Breast Cancer in Sri Lanka

Dr Nirmala D Sirisena

*Senior Lecturer and Clinical Geneticist, Human Genetics Unit, Department of Anatomy,
Faculty of Medicine, University of Colombo, Sri Lanka*

Breast cancer is a complex disease that results from the interaction between genetic, epigenetic, environmental, hormonal and lifestyle risk factors. It is the most common cancer in women and a leading cause of cancer morbidity and mortality in Sri Lanka. Breast cancer can be broadly classified into hereditary, familial and sporadic types. Numerous biologic pathways and candidate genes associated with increased susceptibility to breast cancer have so far been identified. This talk will focus mainly on the rare and common germline genetic variants associated with susceptibility to hereditary and sporadic breast cancer identified in the Sri Lankan population.