

Diagnosis of Tumours at Crossroads- Histopathology or Genetics in the Diagnosis of Breast Cancer - A Sri Lankan Perspective

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The diagnosis of breast carcinoma has evolved over the last two centuries from a post-mortem diagnosis based on macroscopy to a diagnosis incorporating histopathological, immunohistochemical, molecular-genetic and genomic information. Molecular testing is now used to inform clinical diagnosis, practice and treatment decisions. Today pathologists are required to interpret many layers of biological information including morphological features, protein and gene expression, and genetic information to provide the final diagnosis. However, histopathology still plays a vital role in the current era of precision medicine. This presentation will outline the current practice and research on the pathological diagnosis of breast carcinoma in a Sri Lankan setting.