

International Conference on Cytopathology

August 31-September 02, 2015 Toronto, Canada

Principles of cytology: Cytology is different

Ahmed El-Habashi
Cairo University, Egypt

Cytology is the diagnostic branch of medicine which is based on the microscopic cell examination to recognise physiological conditions and to diagnose benign, pre-malignant and malignant processes. It is easy, inexpensive, fast and reliable gives material for ancillary testing. Almost all surgeries for lung, pancreas, liver, thyroid, etc are based on cytology diagnoses. Almost all biopsies of Cervix, bladder, etc are done based on cytology diagnoses. However, cytology is different and difficult due to potential subjectivity, heterogeneity and non-uniformity of material. Cytopathology studies diseases on the cellular level while in histopathology; cells are assessed in the spatial context. So cytology has different knowhow and diagnostic approach compared to histopathology. This presentation demonstrates diagnostic approach and general cytomorphology features (patterns, background, cell type, shape, cytoplasmic features, etc) in cytology material and potential diagnostic pitfalls and errors. High diagnostic accuracy and avoidance of cytologic pitfalls in cytopathology can be achieved by acquiring a detailed clinico-radiologic data, obtaining adequate specimens, having prior knowledge of the variety of diagnostic entities, strict application of established cytological criteria and nothing can replace years of experience.

Biography

Ahmed El-Habashi has completed his MD, PhD from Cairo University and Tulane University in a channel system scholarship program. He got Post-doctoral fellowship at Groningen University Hospital, The Netherlands at 1998. He is the past-director of pathology department, National Cancer Institute, Cairo University and now he is working in the capacity of Professor of Pathology. He got the International Board of Cytopathology from International Academy of Cytopathology at 2007. He is an international cytology speaker and he conducted many Cytopathology workshops in Egypt and Arab countries aiming to improve the cytology practice and profession. He has published more than 35 papers in reputed journals and has been serving as a reviewer for more than three reputed Journals.

elhabashiahmed@yahoo.com

Notes: