



Contribution ID: 364

Type: Poster

## ADOPTING AUTOFLUORESCENCE SPECTROSCOPY IN THE DIAGNOSIS OF HUMAN BREAST AND COLORECTAL CANCERS

Fluorescence spectroscopy is an evolving technology that can rapidly differentiate between non neoplastic and malignant tissues. These differences are thought to be due to endogenous fluorophores. This technique is a non-invasive diagnostic tool that can identify diseased tissue sites in vitro and in real time. It could have a major impact on the detection and treatment of cancer. The current study evaluates the utility of autofluorescence spectroscopy to distinguish tissue transformation associated with the malignant change in two types of human cancer, namely breast and colorectal cancer.

**Primary author:** Mr EL-HUSSEIN M.KAMEL, Ahmed (The National Institute of Laser Enhanced Science, Cairo University)

**Presenter:** Mr EL-HUSSEIN M.KAMEL, Ahmed (The National Institute of Laser Enhanced Science, Cairo University)

**Track Classification:** Track C - Lasers, Optics and Spectroscopy