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Mini Review

# A Modern and Comprehensive Experimental Biospectroscopic Comparative Study on Human Common Cancers' Cells, Tissues and Tumors before and after Synchrotron Radiation Therapy

**Alireza Heidari***

*Faculty of Chemistry, California South University, USA*

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***Corresponding author:** Alireza Heidari, Faculty of Chemistry, California South University, 14731 Comet St. Irvine, CA 92604, USA

## Mini Review

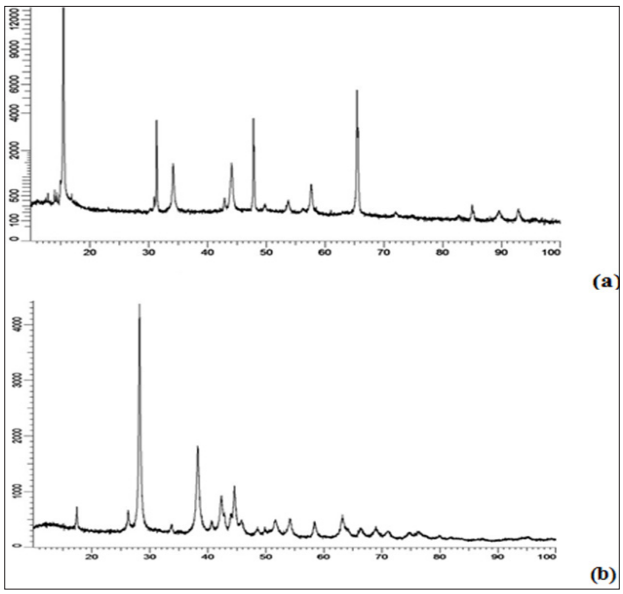


**Figure 1**: Biospectroscopy analysis of malignant Bladder Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Bladder Cancer cells, tissues and tumors with the passage of time [1–123].

In the current study, we have experimentally and comparatively investigated and compared malignant human common cancers' cells, tissues and tumors such as Bladder Cancer, Breast Cancer, Colon and Rectal Cancer, Endometrial Cancer, Kidney Cancer, Leukemia, Liver, Lung Cancer, Melanoma, Non–Hodgkin Lymphoma, Pancreatic Cancer, Prostate Cancer and Thyroid Cancer before and after irradiating of synchrotron radiation therapy process using some modern biospectroscopic techniques and methods. It is clear that malignant human cancers' cells, tissues and tumors have gradually transformed to benign human cancers' cells, tissues and tumors under synchrotron radiation with the passage of time (Figures 1-13) [1–123].

It can be concluded that malignant human cancers' cells, tissues and tumors have gradually transformed to benign human cancers' cells, tissues and tumors under synchrotron radiation with the passage of time (Figures 1-13) [1–123].

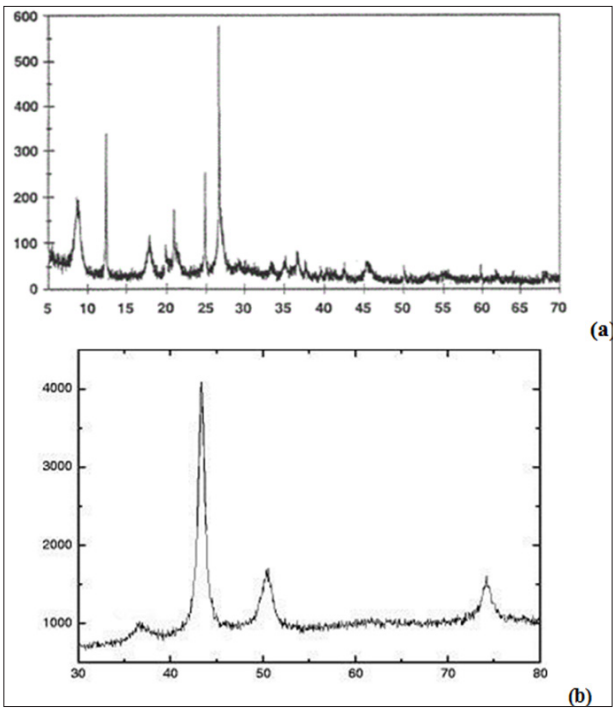


**Figure 2**: Biospectroscopy analysis of malignant Breast Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Breast Cancer cells, tissues and tumors with the passage of time [1–123].

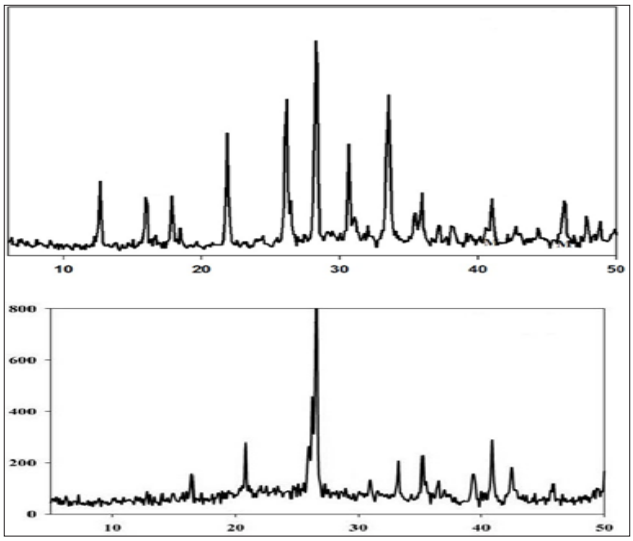


**Figure 3**: Biospectroscopy analysis of malignant Colon and Rectal Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Colon and Rectal Cancer cells, tissues and tumors with the passage of time [1–123].

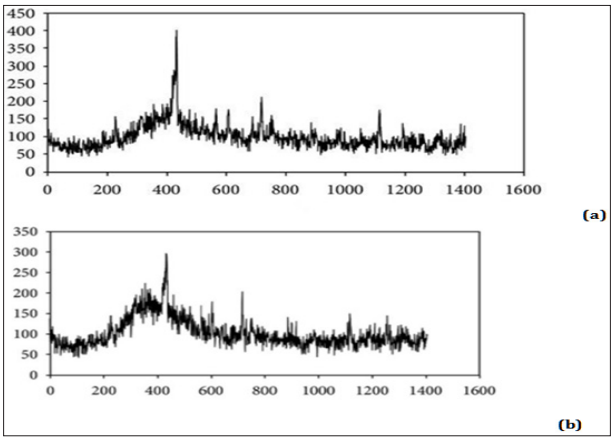


**Figure 4**: Biospectroscopy analysis of malignant Endometrial Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Endometrial Cancer cells, tissues and tumors with the passage of time [1–123].

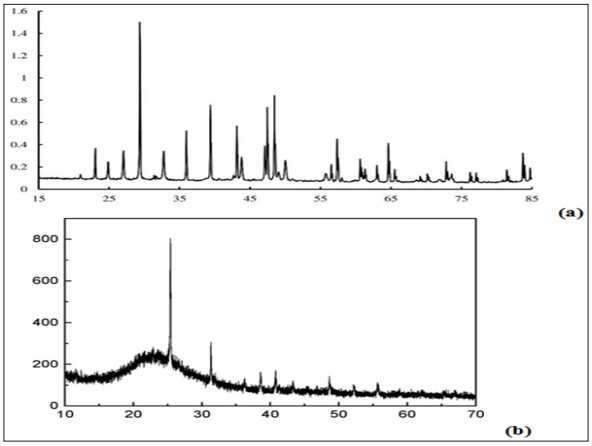


**Figure 5**: Biospectroscopy analysis of malignant Kidney Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Kidney Cancer cells, tissues and tumors with the passage of time [1–123].

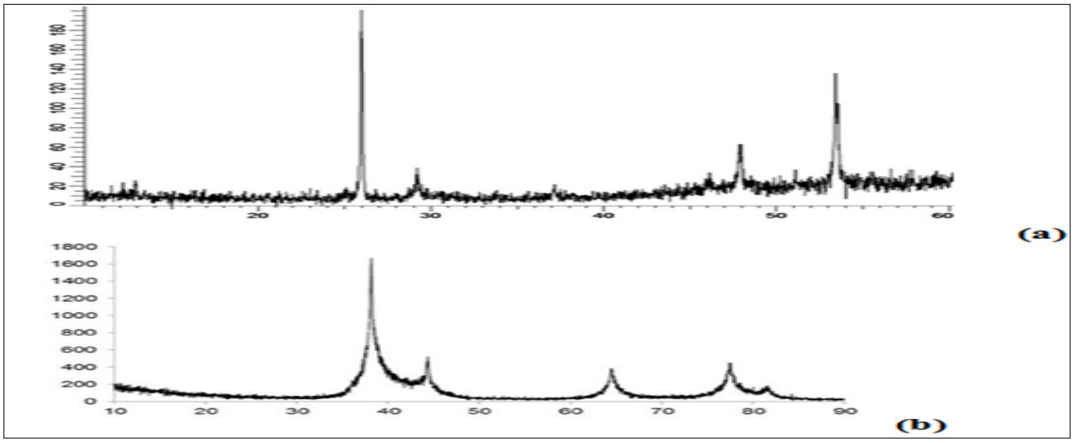


**Figure 6**: Biospectroscopy analysis of malignant Leukemia cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Leukemia cells, tissues and tumors with the passage of time [1–123].

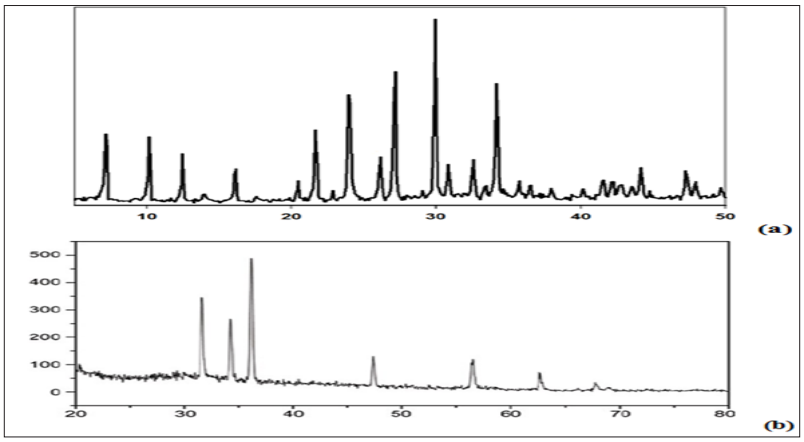


**Figure 7**: Biospectroscopy analysis of malignant Liver cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Liver cells, tissues and tumors with the passage of time [1–123].

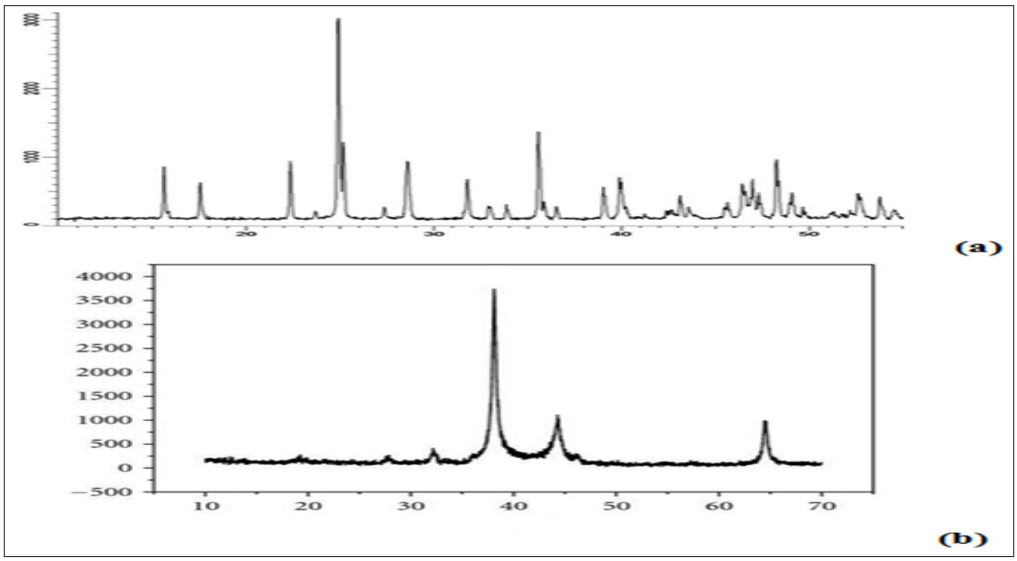


**Figure 8**: Biospectroscopy analysis of malignant Lung Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Lung Cancer cells, tissues and tumors with the passage of time [1–123].

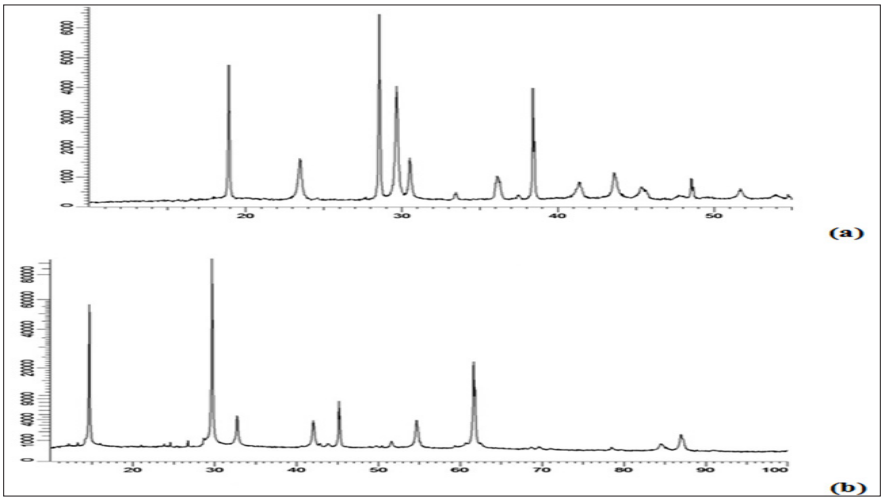


**Figure 9**: Biospectroscopy analysis of malignant Melanoma cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Melanoma cells, tissues and tumors with the passage of time [1–123].

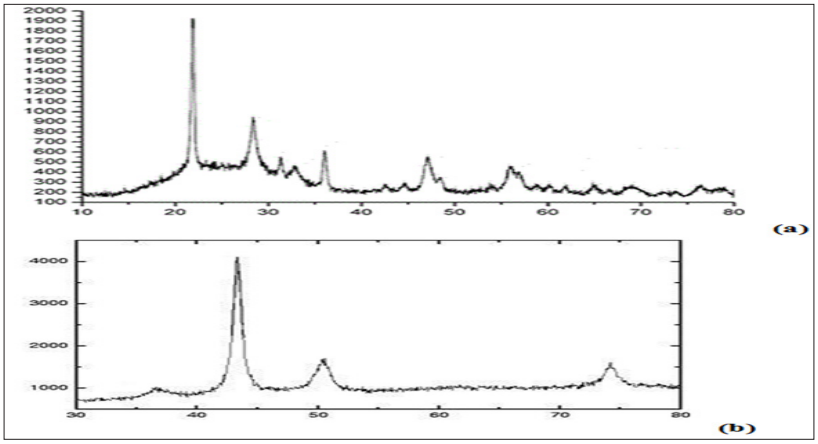


**Figure 10**: Biospectroscopy analysis of malignant Non–Hodgkin Lymphoma cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Non–Hodgkin Lymphoma cells, tissues and tumors with the passage of time [1–123].

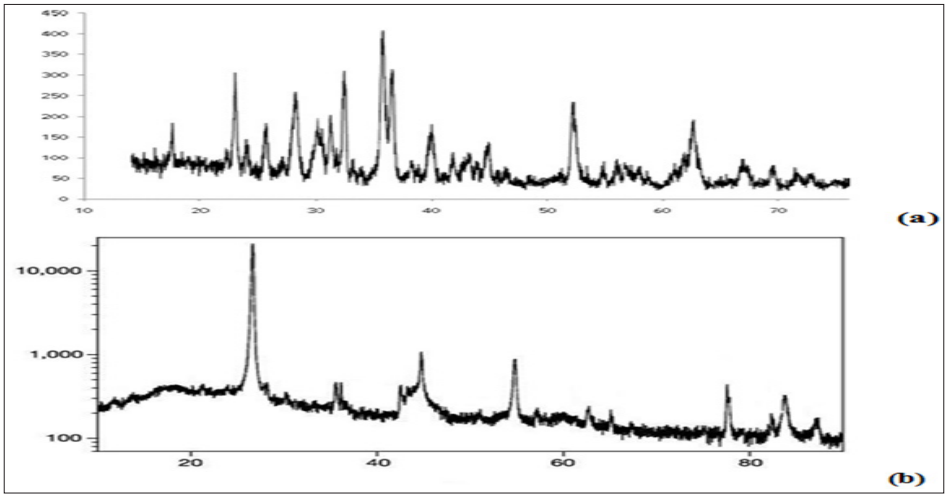


**Figure 11**: Biospectroscopy analysis of malignant Pancreatic Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Pancreatic Cancer cells, tissues and tumors with the passage of time [1–123].

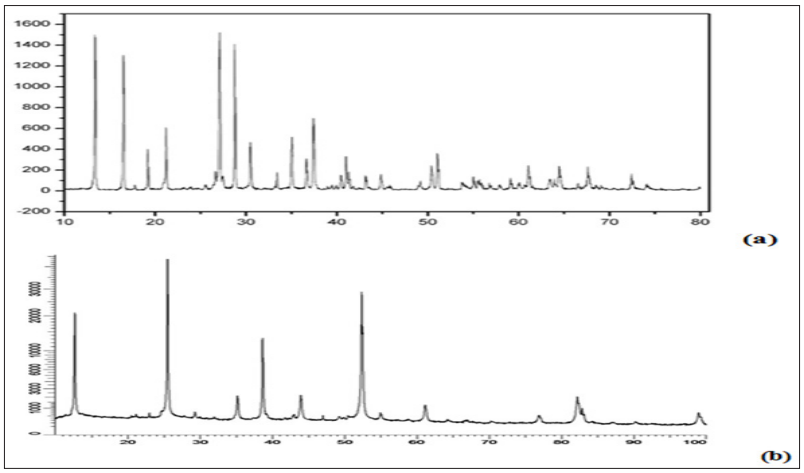


**Figure 12**: Biospectroscopy analysis of malignant Prostate Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Prostate Cancer cells, tissues and tumors with the passage of time [1–123].

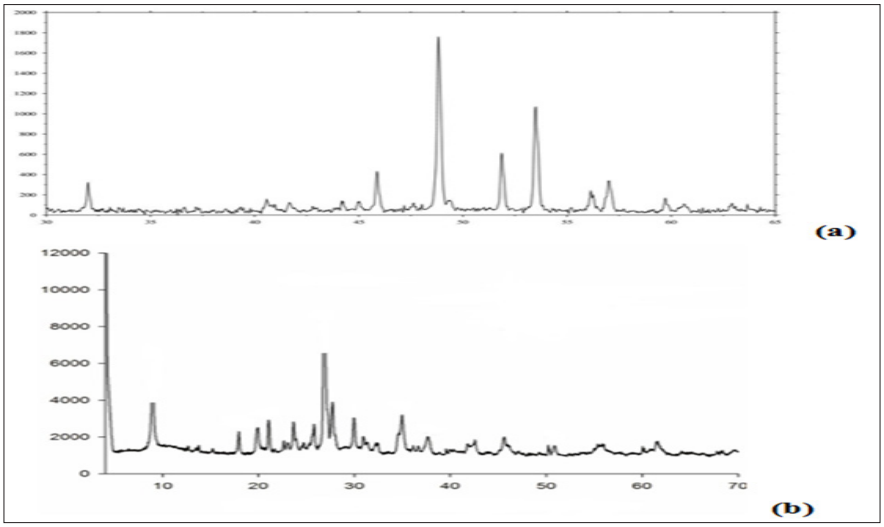


**Figure 13:** Biospectroscopy analysis of malignant Thyroid Cancer cells, tissues and tumors (a) before and (b) after irradiating of synchrotron radiation in transformation process to benign Thyroid Cancer cells, tissues and tumors with the passage of time [1–123].

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