

## Yousif Mohamed Y. Abdallah, B.Sc., M.Sc. PhD



### Career Path & Intentions

I certainly enjoyed my experience in Radiotherapy and Nuclear Medicine particularly it has been in different institutions and hospitals with different Medical Cultures and allocated resources. Radiotherapy and Nuclear Medicine Technology has always been my aspiration and my life. As years passed I accumulated a tremendous amount of skills and knowledge in Radiotherapy and Nuclear Medicine, Conventional Radiology, Radiation Protection, Bioinformatics Technology, PACS, Image processing, clinically and lecturing that will enable me to provide a valuable service to the community as a Researcher and Consultant in this field. My method of translating this into day to day in clinical practice is non-exhaustible and my habit of exchanging knowledge and expertise with others in those fields is the code and secret of success.

### Education

- Jan 2015 – Jan 2018* **National Ribat University**  
Doctor of Philosophy, Nuclear Medicine  
Khartoum, Sudan
- Jan 2012 – Sep 2014* **University of Gezira**  
Master of Science, Nuclear Medicine  
Wad Medani, Sudan
- Apr 2010 – Apr 2013* **Sudan University of Science and Technology**  
Doctor of Philosophy, Radiation Therapy  
Khartoum, Sudan
- Nov 2007 – Nov 2009* **Sudan University of Science and Technology**  
Master of Science, Radiation Therapy Technology

Khartoum, Sudan

*Oct 2001 – Oct 2005* **Sudan University of Science and Technology**  
Bachelor of Science, Radiation Therapy  
Khartoum, Sudan

## **Thesis:**

- Jan 2015 – Jan 2018* **Characterization of Myocardial Diseases Using Image Processing Technique**  
Doctor of Philosophy, Nuclear Medicine  
Khartoum, Sudan
- Jan 2012 – Sep 2014* **Assessment of Quality Control Program for Accepted <sup>99</sup>Mo-<sup>99m</sup>Tc Generator and Kids**  
University of Gezira  
Master of Science, Nuclear Medicine  
Wad Medani, Sudan
- Apr 2010 – Apr 2013* **Evaluation of Chest Organs Motion in External Beam Radiotherapy**  
Sudan University of Science and Technology  
Doctor of Philosophy, Radiation Therapy  
Khartoum, Sudan
- Nov 2007 – Nov 2009* **Computed Verification of Light and Radiation Field Size on Cobalt-60 machine**  
Sudan University of Science and Technology  
Master of Science, Radiation Therapy Technology  
Khartoum, Sudan
- Oct 2001 – Oct 2005* **Design Mold Room in Radiation and Isotopes Center of Khartoum (RICK)**  
Sudan University of Science and Technology  
Bachelor of Science, Radiation Therapy  
Khartoum, Sudan

## **Working Experience**

- Dec. 2005- May 2006* **Diagnostic Radiology Technologist**  
Radiology Department  
Juba Military Hospital  
Juba, Sudan
- Sept. 2006 – Dec. 2008* **Assistant Teaching**

College of Medical Radiological Sciences  
Sudan University of Science & Technology  
Khartoum, Sudan

*Dec. 2008- June 2013* **Lecturer**

College of Medical Radiological Sciences  
Sudan University of Science & Technology  
Khartoum, Sudan

**Courses:** Radiotherapy, Radiotherapy Planning, Radiobiology, Oncology, Radiation Protection, Physics of Nuclear Medicine, Nuclear Medicine Technique, Radiotherapy Physics, Computer Application in Radiology, Radiation Mold Technology, Care of patient in Radiology and Nuclear Medicine Departments, Chemotherapy

**Supervisor** for trainee students and practitioner of Radiotherapy and Nuclear Medicine

*June 2013 – March 2015* **Professor (Assistant)**

College of Medical Radiological Sciences  
Sudan University of Science & Technology  
Khartoum, Sudan

**Courses:** Radiotherapy, Radiotherapy Planning, Radiobiology, Oncology, Radiation Protection, Physics of Nuclear Medicine, Nuclear Medicine Technique, Radiotherapy Physics, Computer Application in Radiology, Radiation Mold Technology, Care of patient in Radiology and Nuclear Medicine Departments, Chemotherapy

**Supervisor** for trainee students and practitioner of Radiotherapy and Nuclear Medicine

*Apr.2013- October 2014* **College Registrar**

College of Medical Radiological Sciences  
Sudan University of Science & Technology  
Khartoum, Sudan

*Sept. 2009 – Sept. 2013* **Professor (Assistant)**

Radiology and Medical Imaging College

National University For Medical and Technical Studies  
Khartoum, Sudan

**courses:** Care of patient in Radiology and Nuclear Medicine  
Departments, Radiation Protection in Radiology and Nuclear Medicine  
Department, Nuclear Medicine Physics , Computer Application in  
Radiology, Picture Archiving Communication System (PACS)

*March 2015 – Present*

**Professor (Assistant)**

Radiological Science and Medical Imaging Department

College of Applied Medical Sciences

Majmaah University

Majmaah, Saudi Arabia

**Courses:** Medical Imaging, Introduction to Biomedical Imaging  
Systems, Advance Medical Imaging Systems, Biophysics, Radiographic  
Techniques 1, Patient Care and Ethic in Radiology, Radiation Physics  
and Equipments

**Committee Membership:**

- Academic Guidance Center, Academic Affair Deanship , Majmaah University
- College of Applied Medical Science Strategy Plan (1436-1440H) committee
- Community Service Unit, College of Applied Medical Science
- Registration Unit, College of Applied Medical Science
- Innovation Unit, College of Applied Medical Science
- Radiology Curriculum Committee, College of Applied Medical Science
- Orthotics and Prosthetics Curriculum Committee, College of Applied Medical Science

*Apr. 2015 – Present*

**Head of Academic Guidance Unit**

College of Applied Medical Sciences

Majmaah University

Majmaah, Saudi Arabia

## Membership

- March 2005- Present* **National Council for Sudanese Medical and Health Professionals**  
Ministry of Human Resources Development  
Khartoum, Sudan
- March 2008- Present* **Sudanese Medical Radiology Association (SUMRA)**  
Khartoum, Sudan
- Nov. 2013- Present* **European Association of Nuclear Medicine (EANM)**  
Vienna, Austria
- Nov. 2014 - Present* **The European Society of Radiology**  
Vienna, Austria
- Nov. 2014 - Present* **American Association for Science and Technology (AASCIT)**  
Wilmington, New Castle, USA
- Nov. 2013 - Present* **World Academy of Science, Engineering and Technology**
- Apr. 2009 - Mar.2015* **Savanna Organization Against Cancer (SOAC)**  
Khartoum Sudan

## Journals Editor Board Membership

- **Editorial Borad Membership:**
  - Scientific and Technical Committee & Editorial Review Board on Medicine and Health Sciences, World Academy of Science, Engineering and Technology
  - International Journal of Science and Research (IJSR)
  - Consulting Editor, Journal of Research and Reports in Focused Ultrasound
  - Consulting Editor, Journal of Reports in Medical Imaging
  - Guest Editor, American Journal of Physics and Applications (AJPA)
  - International Journal of Biomedical Science and Engineering (IJBSE)
  - Journal of Oncology Research and Experimental Medicine (JOREM)
- **Peer Reviewer**
  - Asian Journal of Medical Radiological Research
  - International Journal of Health and Rehabilitation Sciences (IJHRS)
  - Journal of Oncology Research and Experimental Medicine (JOREM)
  - Journal OncoTargets and Therapy
  - International Journal of Medical Imaging

- Journal of OncoTargets and Therapy
- Journal of Cancer Management and Research
- Journals of Reports in Medical Imaging
- Journal of Research and Reports in Focused Ultrasound
- Journal of Research and Reports in Nuclear Medicine

## Awards & Grants

*June 2015* **Award: Dean Excellency Prize for Academy year (1436-1437H)**

College of Applied Medical Science

Majmaah University

Majmaah, Saudia Arabia

*September 2010* **Grant: Visitor Researcher**

Project title: "4D Radiotherapy of Lung Cancer with Integration of 4D PET/CT"

Radiotherapy and Radioncology Department

Carl Gustav Carus University Hospital

OncoRay Institute (OncoRay)

Technical University of Dresden (TUD)

Dresden , Germany

*February 2010* **Scholarship: The German Academic Exchange Service (DAAD)**

*March 2010* **Award: Paper Publication**

International Conference on Radiation Medicine Clinical Applications and Innovative Approaches

King Faisal Specialist Hospital and Research Centre

Riyadh, Saudi Arabia

*July 2009* **Award: The best academic performance First Degree, (M.Sc.),**

Radiotherapy and Nuclear Medicine Department

College of Medical Radiological Science

Sudan University of Science and Technology

Khartoum, Sudan

*May 2004* **Award: The best academic performance - 3rd year (B.Sc.)**

College of Medical Radiological Science  
Sudan University of Science and Technology  
Khartoum, Sudan

*October 2005* **Award: The best academic performance First Degree, (B.Sc.),**

Radiotherapy and Nuclear Medicine Department  
College of Medical Radiological Science  
Sudan University of Science and Technology  
Khartoum, Sudan

## **Training Courses**

*October 2003* **Training Course in Radiology**

Radiotherapy Department  
National Cancer institute (NCI)  
University of Cairo  
Cairo, Egypt

*October 2003* **Training Course in Radiology**

Radiology Department  
Nasser Institute Hospital  
Ministry of Health and Population  
Cairo, Egypt

*February 2007* **Authorization and Inspection of radiation sources in Radiotherapy**

Radiation Protection Technical Committee  
Sudan Atomic Energy Agency  
Ministry of Science and Technology  
Khartoum, Sudan

*April 2007* **Radiation Protection and Safety**

Atomic Energy Commission (SAEC) & Department of Physics  
Faculty of Science  
University of Khartoum

Khartoum, Sudan

*October 2007* **Training Course in Radiotherapy**

Institute of Nuclear Medicine Molecular Biology and Oncology (INMO)  
University of Gazeria  
Wad Medani, Sudan

*February 2008* **Authorization and Inspection of radiation sources in Nuclear Medicine**

Radiation Protection Technical Committee  
Sudan Atomic Energy Agency  
Ministry of Science and Technology  
Khartoum, Sudan

*March 2008* **Training Course in Radiotherapy**

Institute of Nuclear Medicine Molecular Biology and Oncology (INMO)  
University of Gazeria  
Wad Medani, Sudan

*October 2008* **Educational Preparation**

Center of Staff Development Center  
University of Khartoum  
Khartoum, Sudan

*April 2009* **Training Course in Radiotherapy**

National Cancer Institute (NCI)  
University of Gazeria  
Wad Medani, Sudan

*May 2009* **Authorization and Inspection of radiation sources in Nuclear Medicine**

Radiation Protection Technical Committee  
Sudan Atomic Energy Agency  
Ministry of Science and Technology  
Khartoum, Sudan

*June 2009* **Authorization and Inspection of radiation sources in Radiotherapy**



Radiation Protection Technical Committee

Sudan Atomic Energy Agency

Ministry of Science and Technology

Khartoum, Sudan

*October 2009* **Training Course in Nuclear Medicine**

National Cancer Institute (NCI)

University of Gazeria

Wad Medani, Sudan

*December 2009* **Educational Preparation**

Staff Development Center

College of Education

Sudan University of Science and Technology

Khartoum, Sudan.

*March 2010* **Tomotherapy, IMRT, Conformal, IGRT Applications and Innovative**

Faisal Specialist Hospital and Research Centre

Riyadh, Saudi Arabia

*May 2010* **Training Course in Radiotherapy**

National Cancer Institute (NCI)

University of Gazeria

Wad Medani, Sudan

*June 2010* **Training Course in Magnetic Resonance Imaging (MRI)**

Alia Specialist Hospital & National Cancer Institute (NCI)

University of Gazeria

Wad Medani, Sudan

*July 2010* **Image Processing and MatLab Applications**

College of Computer Sciences and Information Technology (CCSIT)

Sudan University of Sciences and Technology

Khartoum, Sudan

- February 2011* **Advance CT Imaging, Quality Assurance & Quality Control in Radiology**  
Radiology Department  
National College for Medical and Technical Studies  
Khartoum- Sudan
- March 2011* **Advance Ultrasound**  
Golden Care Training Center  
Khartoum, Sudan
- Nov. 2011 – May 2012* **Nuclear Medicine , PET/CT and PET/MRI**  
Nuclear Medicine Department  
Carl Gastav University Hospital  
Technical University of Dresden  
Dresden , Germany
- Nov. 2011 – May 2012* **Radiotherapy and Radiation Oncology**  
Radiotherapy and Radiation Oncology Department  
Carl Gastav University Hospital  
Technical University of Dresden,  
Dresden , Germany
- January 2013* **Training Course in Radiotherapy**  
National Cancer Institute (NCI)  
University of Gazeria  
Wad Medani, Sudan
- July 2013* **Radiotherapy and Oncology**  
Wad Medani Heart Diseases and Surgery (WHDS)  
National Cancer Institute (NCI)  
University of Gazeria & Ministry of Health  
Wad Medani, Sudan
- February 2014* **Tomotherapy, IMRT, Conformal, IGRT Applications and Innovative**

Faisal Specialist Hospital and Research Centre  
Riyadh, Saudi Arabia

*February 2015* **International Conference on Curricula**  
Red Sea University  
Port-Sudan, Sudan

*August 2015* **Using D2L system in Teaching**  
E-learning and distance Learning Deanship  
Majmaah University  
Majmaah, Saudi Arabia

*September 2015* **Desgin of Educational web sites and Bloggers**  
E-learning and distance Learning Deanship  
Majmaah University  
Majmaah, Saudi Arabia

*September 2015* **Teaching Technologis for Special Needs**  
E-learning and distance Learning Deanship  
Majmaah University  
Majmaah, Saudi Arabia

*September 2015* **Using Ipod in E-learning**  
E-learning and distance Learning Deanship  
Majmaah University  
Majmaah, Saudi Arabia

*October 2015* **Preparation Electronic Examination using**  
E-learning and distance Learning Deanship  
Majmaah University  
Majmaah, Saudi Arabia

*October 2015* **IEEE database library**  
Saudi Digital Library  
Ministry of Higher Education

Riyadh, Saudi Arabia

*October 2015* **Using Marfia database library**

Saudi Digital Library

Ministry of Higher Education

Riyadh, Saudi Arabia

## **Workshops attended**

*December 2004* **One Day seminar on Advance in Ultrasound**

Sudan University with collaboration Afro-Asian Institute of Medical  
Science,

Lahore- Pakistan

Venue: Sudan University of Science and Technology

Khartoum Sudan

*April 2008* **International Congress on Environment, Immune- Mediated Disease  
and Cancer** Institute of Nuclear Medicine , Molecular Biology and  
Oncology (INMO) University of Gazeria

Wad Medani, Sudan

With collaboration with Ashiti University, Italy

Venue: Grand Holiday Villa, Khartoum, Sudan

*April 2009* **Mobile Phone Mast Workshop**

Faculty of Science, Department of Chemistry

with collaboration with Congress of Khartoum State

Khartoum, Sudan

*December 2009* **1<sup>st</sup> International Cancer Conference in Sudan**

Radiation and Isotopes Center of Khartoum (RICK)

Ministry of Health

Venue: Friendship Hall

Khartoum, Sudan

*March 2010* **International Conference on Radiation Medicine (ICRM)**

King Faisal Specialist Hospital and Research Centre  
Riyadh, Saudi Arabia

*June 2010* **Bioinformatics**

College of Animal Production Science and Technology  
Sudan University of Sciences and Technology  
Khartoum, Sudan

with collaboration with Nasik Studies and Training Academy  
Khartoum, Sudan

2<sup>nd</sup> International Cancer Conference in Sudan

Radiation and Isotopes Center of Khartoum (RICK)

Venue: Friendship Hall

Khartoum, Sudan

*December 2010* **2<sup>nd</sup> international Conference in Laser technology and its application**

Laser Institute

University of Science and Technology

Venue: Coroal Hotel

Khartoum, Sudan

*March 2011* **Modern Power Presentation**

Sudanese Turkish Center for Development

College of Agricultural Studies

Sudan University of Science and Technology

Khartoum, Sudan

*April 2011* **Application of Ultrasound in Thyroid lesions detection**

Sudanese Medical Radiology Association (SUMRA)

College of Medical Radiological Science

Khartoum, Sudan

*April 2011* **Application of Ultrasound in first Trimester pregnant women**

Sudanese Medical Radiology Association (SUMRA)

Venue: College of Medical Radiological Science

Khartoum, Sudan

*July 2013* **Sudanese-Korean Conference on Cancer**

National Cancer Institute (NCI) and Ministry of Health of Gazeria State  
Venue: Wad Medani Heart Diseases and Surgery,  
Wad Medani, Sudan

*2-7 December 2013* **11<sup>th</sup> Conference on Peaceful Uses of Radiation Sources**

Sudanese Atomic Energy Agency (SAEA)  
with Collaboration with Arab Atomic Energy Agency (AAEA)  
venue: Coral Hotel , Khartoum

*17-19 December 2013* **14<sup>th</sup> International Arab Conference on Information Technology**

**(ACIT'2013)** College of Computer Science  
Sudan University of Science and Technology  
Khartoum, Sudan

with collaboration with College of Computing and Information Society  
(CCIS)

Oman, Jordan

Venue: Grand Hotel , Khartoum, Sudan

*March 2010* **International Conference on Radiation Medicine (ICRM)**

King Faisal Specialist Hospital and Research Centre

Riyadh, Saudi Arabia

*April 2014* **International Levels in the Preparation of Exams for Medical Specialists**

National Council for Sudanese Medical and Health Professionals

Khartoum, Sudan

Ministry of Human Resources Development

with collaboration with Medical University of Science and Technology

Khartoum, Sudan

*February 2015* **International Conference on Curricula**

Red Sea University

Port-Sudan, Sudan

## **Departmental & Hospital Presentations**

*July 2005* **Breast Carcinoma in Sudan**

Radiotherapy and Nuclear Medicine Department  
College of Medical Radiological Science  
Sudan University of Science and Technology  
Khartoum Sudan

*August 2005* **Radiation Accidents for Patients undergoing Radiation Therapy**

Radiotherapy and Nuclear Medicine Department  
College of Medical Radiological Science  
Sudan University of Science and Technology  
Khartoum Sudan

*July 2007* **Current Status of Radiation Therapy in Sudan**

Radiotherapy and Nuclear Medicine Department  
College of Medical Radiological Science  
Sudan University of Science and Technology  
Khartoum Sudan

*May 2009* **Calibration of Radiation Instruments Used in Radiation Protection and Radiotherapy**

Radiotherapy and Nuclear Medicine Department  
College of Medical Radiological Science  
Sudan University of Science and Technology  
Khartoum Sudan

## Research Experience

- Fields of Interest**
- Medical Applied Research
  - Clinical Experimental Research
  - Radiation Therapy and Nuclear Medicine.
  - IGRT, IMRT , Tomotherapy & Conformal Therapy
  - Oncology Experimental Researches
  - Radiation Physics and Quality Assurance.
  - Medical Imaging and Image processing.
  - Radiation Mold Technology.
  - Applied Radiation Protection
  - Computer Application in Radiology
  - Picture Archiving and Communication Systems (PACS)
  - Bioinformatics

## Future Trends and Researches:

### Medical Physics Field

In the field of Medical Physics, I would like to conduct some works related to

- Quality Control test to Radiotherapy Machines (Cobalt-60 and Linear acceralator) using image processing technique.
- Quality Assurance of Radiotherapy & Nuclear Medicine machines
- Radiation protection for patients, Pubic and Staff
- Intrafraction and Interfraction Tumor motion tracking during respiration
- Radionuclide Applications in Nuclear Medicine (Diagnosis & Treatment) and Industrial/Environmental researches.

### Published Book:

- **Computed Verification of Light and Radiation Field Size**



**Superimposition On Cobalt-60 machine, Verification of Fields Size using Image Processing Technique** Published by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN 9783838399096 (August 2010)**

• **Quality Control of Technetium-99 Generator, Theory and Practice** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783848421169 (February 2012)**

**Physics and Image Processing Field**

Some other works related to

- Computed Verification of Radiation and Light Field Size
- Superimposition in Radiotherapy Machines
- Application of analysis approach in Noise Estimation in Panoramic X-rays images using image processing technique
- 3-D MRI and CT images visualization using MatLab
- Detection of Organs Motion during Radiotherapy ( PhD thesis)
- Correction preprocessing technique for X-rays images
- Application of analysis approach in Noise Estimation in Panoramic X-rays images using image processing program (MatLab)
- Detection of Brain Tumors using Watershed Segmentation transform
- Segmentation of Liver using Parallel Computing Algorithm

**Published Book:**

• **Application of Analysis Approach in Noise Estimation, Using Image Processing Program**, by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783847331544 (December, 2011)**

**Radiation Mold Technology**

The role of physics in Radiation Mold Technology research involved in some researches dealing with

- Design of Mold Room in Radiation and Isotopes Center of Khartoum
- A short Guide to Radiation Mold Technology.

**Published Book:**

• **A Short Guide To Radiation Mold Technology, A manual for daily**

use by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany

**ISBN: 9783843371827 (October 2010)**

### **Bioinformatics Technology**

In the field of Bioinformatics, I would like to conduct some works related to:

- Bioinformatics tools using , NCBI
- Databases search : ENTREZ, OMIM to work with different genes
- Nucleotides: pairwise sequence alignment (BLAST, FASTA)
- Proteins: pairwise and multiple sequence alignment (BLASTP, PSI-BLAST, FASTA, CLASTALW)
- Protein structure analysis: secondary and tertiary structure.
- Proteins Families: motifs, domains, clustering
- Phylogeny: tree reconstruction methods, gene duplication
- Genomics: Procaryotes and eucaryotes, gene hunting, splicing.
- The human Genome Project: drugs design, other genomes
- Gene expression analysis: DNA micro arrays (chips), clustering tools

### **Training Courses:**

- Bioinformatics Workshop held at College of Animal Production Science and Technology - Sudan University of Sciences and Technology, Khartoum, Sudan with collaboration with Nasik Studies and Training Academy- Khartoum- Sudan **(June-August 2010)**

### **Radiotherapy Technology:**

In the field of Radiotherapy, I would like to conduct some works related to:

- Human Body organs motion Tracking during External Beam Radiation Therapy
- IMRT , IGRT, Gamma Knife, Conformal Therapy Treatment

### **Requirements**

- **Well Equipped Lab with tools as** Personal Computer, with Intel Pentium III or IV at 1.25 MHz (or higher), 512 MB RAM ( or higher), 40

GB HDD ( or Higher), 32 x CDDVD Drive , OS MS – Windows 9x (or higher) and Printer, Digitizer scanner, MatLab program (R2009a) version 7.8 (or higher) , SPSS version 13 (or higher), X-OMATV Film or X-OMAT TL film

- **Equipments** as (Intense Guided Radiotherapy requires consistent and precise definition of the target volume, clear protocols and independent delivery verification, so different types of image-guidance or imaging devices attached to and directing the localization of therapy will use. The study will base on the acquisition of fluoroscopic sequences using either Conventional or CT Simulator available at the area of the study with the facility of storage, provision and printing portal.

#### *My Role in Researches*

I could deal with all process and acquisition stages of the research from sampling preparation, measurement, characterization, analysis, discussion and papers and books publication after successful resultant research. Also I could teach and supervise the students in my specialty.

#### *National Center for Radiation Research in Oncology (OncoRay):*

##### *Technische Universität Dresden*

Visiting Scientist in National Center for Radiation Research in Oncology (OncoRay): Technische Universität Dresden – Germany – Dresden

#### *Project title: "4D Radiotherapy of Lung Cancer with Integration of 4D PET/CT".*

Motion compensation techniques for radiation therapy: This includes on the one hand CT and PET-CT morphological and physiological imaging, respectively, for the purposes of radiotherapy treatment, i. e. for planning as well as for following up tumour irradiations. On the other hand, this comprises the installation of image guided and gating procedures at medical electron linear accelerators. **(November 2011- April 2012)**

#### *Published Book:*

- **Analysis of Respiratory Motion in Chest Organs, During External**

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**Beam Radiotherapy**, by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783847335726 (January, 2012)**

• **A short Textbook on Care of patient in Radiotherapy** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783848432318 ( March 2012)**

• **A Short Guide to Breast Carcinoma Treatment, Introductory Notes on Breast Carcinoma** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783846527450 ( March 2012)**

## Conference Proceedings

**Yousif M.Y. Abdallah**, Tariq Alqahtani: *Detection of Brain Tumors Using Segmentation techniques*. 8th International Conference on Medical Physics and Engineering, King Fahad medical City, Riyadh, Saudi Arabia; 10/2015

**Yousif M.Y. Abdallah**, Mommen A. Alkhir, Amel S. Algaddal: *Improvement of Brain Tumors Detection Using Markers and Boundaries Transform*. 17th International Conference on Medical Image and Signal Computing, Oslo, Norway; 07/2015

**Yousif M.Y. Abdallah**, Razan Manofely, Rajab M. Ben Yousef: *Enhancement of X-Rays Images Intensity Using Pixel Values Adjustments Technique*. 17th International Conference on Medical Image and Signal Computing, Oslo, Norway; 07/2015

**Yousif M.Y. Abdallah**, Tariq M.S. Elqahtani: *Improvement of Nuclear Medicine images using Processing Technique*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015

Basamat M. Hajo, **Yousif M.Y. Abdallah**: *Measurement of Dose Received by Organs in Knee Joint x-ray examination*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015

**Yousif M.Y. Abdallah**, Nashwa K. Eltyeib: *Assessment of Dose Received By Organ in Lumbosacral Examination*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015

Wafa Fadol Orsid, **Yousif M.Y. Abdallah**: *Calculation of Dose Received By Organ in Cervical Vertebrae (C/S) Examination*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015

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- Yousif M.Y. Abdallah**, Rehim I. Abdelwahab: *Data Extraction in Dental X-Ray Images using Texture Study*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015
- Yousif M.Y. Abdallah**: *Improvement of Bone Scintigraphy Image Using Image Texture Analysis*. 16th International Conference on Nursing Informatics and Technology, Holiday Inn Paris Montparnasse, Avenue Du Maine, Paris, 75014 France; 08/2014
- Yousif M.Y. Abdallah**, Eltayeb Wagiall: *Characterization of Coronary Artery Obstruction and Related Findings in Ischemic Heart Patients Using Cardiac Scintigraphy*. 16th International Conference on Nursing Informatics and Technology, Holiday Inn Paris Montparnasse Avenue Du Maine, Paris, France; 06/2014
- Yousif M.Y. Abdallah**, Khalid H. Eltom, Mohamed E. M. gar-elnabi: *Calculation of Lungs Physiological Lung Motion in External Lung Irradiation*. 16th International Conference on Radiation Medicine, Crowne Plaza Dubai Deira, Salahuddin Road, Deira , 8668, Dubai, UAE; 03/2014
- Yousif M.Y. Abdallah**, Mohamed E. Gar-Elnabi, Abdoelrahman H. A. Bakary, Alaa M. H. Eltoun, Abdelazeem K. M. Ali: *Calculation of Organs Radiation Dose in Cervical Carcinoma External Irradiation Beam Using Day's Methods*. 16th International Conference on Radiation Medicine, Crowne Plaza Dubai Deira, Salahuddin Road, Deira , Dubai, UAE; 03/2014
- Nagah Elkhider, Yousif M.Y. Abdallah**: *Assessment of Ultrasound images using Image Texture analysis*. International Conference on Radiation Medicine (ICRM 2014); 02/2014
- Rehim I. Abdelwahab, **Yousif M.Y. Abdallah**: *Study of Orthopantomograph (OPG) Images Enhancement Using Image Processing Technique (MatLab)*. International Conference on Radiation Medicine; 02/2014
- Yousif M.Y. Abdallah**, Abdelazeem A Khalifa: *Error Estimation of Radiotherapy Patient Posture by using Three-Dimensional Motion Analysis*. International Conference on Radiation in Medicine (ICRM); 02/2014
- Yousif M.Y. Abdallah**, Abdelazeem K. M. Ali, Khalid H. Eltom : *Error Estimation of Radiotherapy Patient Posture by using Three-Dimensional Motion Analysis*. International Conference on Radiation Medicine (ICRM 2014), Riyadh, Saudi Arabia; 02/2014
- Yousif M.Y. Abdallah**, Magdolin Siddig: *Contrast Improvement of Chest Organs in Computed Tomography Images using Image Processing Technique*. The International Arab Conference on Information Technology (ACIT'2013), Coral Hotel, Khartoum, Sudan; 12/2013
- Yousif M.Y. Abdallah**, Abdelazeem K. M. Ali: *Estimating Environmental and Occupational Contribution to Cancer in Sudan*, 11th Conference on Peaceful Uses of Radiation Sources. Friendship Hall, Khartoum, Sudan; 03/2012

**Yousif M.Y. Abdallah**, Mohamed E.M. Gar-elnabi: *Computed Verification of light and Radiation field size Superimposition on Cobalt-60*. International Conference on Radiation Medicine (ICRM 2010), King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia; **03/2010**

Abdelazeem K. M. Ali, Mohamed E.M. Gar-elnabi, **Yousif M.Y. Abdallah**: *Evaluation of entrance and Existence dose in Tangential Treatment of Breast Carcinoma*. 2nd International Conference on cancer, Radiation and Isotopes enter of Khartoum (RICK), Friendship Hall, Khartoum, Sudan; **03/2010**

**Yousif M.Y. Abdallah**, Mohamed E.M. Gar-elnabi, Khalid H. Eltom: *Mobile phone base stations and childhood cancers*. Mobile Phone Mast Workshop, Faculty of Science, Department of Chemistry with collaboration with Congress of Khartoum State, Khartoum, Sudan; **04/2009**

## Publication Highlights

### Books

**Yousif Mohamed Yousif Abdallah**: *Quality Control of Technetium-99 Generator, Theory and Practice*, **03/2012**; LAMBART Academic Publishing GmbH & Co. KG, Germany., ISBN: 9783848421169

**Yousif Mohamed Yousif Abdallah**: *A short Textbook on Care of patient in Radiotherapy Department.*, **03/2012**; LAMBART Academic Publishing GmbH & Co. KG, Germany., ISBN: 9783848432318

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**Ali H., 2015**, Evaluation of Image Quality in Mammography Images using Automatic Score, Atomic Energy Council, Sudan Academy of Sciences, **(Medical Physics M.Sc. Students)**

## **Personal Skills and Competences**

*Mother tongue(s):* Arabic

*Other languages:* English, French & Deutsch

### **Organizational skills and competences**

- During my PhD I participated in a seminar series on research methods

### **Computer skills and competences**

- Competent with Microsoft Office programs
- Have good experience with HTML
- Very good in dealing with computer (windows 3.1 up to Win XP, Office 97 up to office 2007, and Access).
- I have international Computer Licenses in Internet Computer Core Certificate (IC3)
- Very Good in dealing with Image Processing Programs (MatLab & IDL)

### **Artistic skills and competences**

- Got a high degree on Educational Preparation via Khartoum and Sudan University Staff Development Centers
- Good in drawing, painting, photography, Adobe Photoshop
- Other artistic skills.



### **Other skills and competences**

- Hard work and self-motivated
- Able to work in a team or individually
- Good ability to communicate with other people
- I aim to improve my personal skills and the firm

### **References:**

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