

# Curriculum vitae

Name: Abdoelrahman Hassan Ali Bakry  
Birth date: March.22.1992, Al-Gadarif, Sudan  
Place of birth: Al-goesha, Al-Gadarif, Sudan  
Nationality: Sudanese  
Marital status: Single  
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## ***Permanent address:***

University of Sudan of Science & Technology (SUST), College of Medical Radiologic Science, P.O. box 1908, Khartoum, Sudan.

## ***Education (school hood):***

***Primary:*** Omer Alsool primary school

***Secondary:*** Ombda model secondary school

## ***Higher education:***

- Sudan University for Science and Technology (SUST) College of Medical Radiological Science (COMRS) Radiotherapy and Nuclear Medicine Department 2009-2013.

## ***Qualifications:***

- **B.Sc. *first class*** in Radiotherapy and Nuclear Medicine Technology, Sudan University of Science and Technology, College of Medical Radiological Science (COMRS) Radiotherapy and Nuclear Medicine Department. With the best academic performance in class.

*Research title:*

*Calculation of Radiation Dose to Organ Located Outside and Inside Radiation field in Treatment of Prostate and Cervical Cancer by Using of Day's Method*

- M.Sc. in Radiotherapy and Nuclear Medicine Technology, Sudan University of Science and Technology, College of Medical Radiological Science (COMRS), by research, 2014-(ongoing).

*Research title:-*

*Characterization of brain glioma in computed tomography and magnetic resonance image using image texture analysis*

## ***Working experience:***

- Teaching assistant at Sudan University for Science and Technology (SUST) College of Medical Radiological Science (COMRS) Radiotherapy and Nuclear Medicine Department ( courses: Anatomy, Radiotherapy, Radiotherapy Planning, radiotherapy technique, Radiobiology, Oncology, Radiation Protection, Physics of Nuclear Medicine, advance radiotherapy planning and technique, interventional oncology, introduction to computer science, computer application in radiology and Radiotherapy Physics), Khartoum, Sudan, 24.9.2013- **On going.**
- Diagnostic Radiology Second Specialist, Diagnostic Radiology Department (x-ray, computed tomography and magnetic resonance imaging), Antalya Medical Center (Turkish), Khartoum, Sudan. From 1.10.2013, **ongoing.**
- Radiotherapy technologist, Radiation Oncology Department, at Radiation and Isotopes Center of Khartoum (RICK), Khartoum, Sudan, from 24.9.2014- 24.10.2015.
- Assistant worker at Mohammed Al-amine Hospital for Children, X-ray Department, Khartoum, Sudan, from 1.11.2013-1.11.2014

- Assistant worker at academic charity hospital, Diagnostic Radiology Department, Khartoum, Sudan from 1.1.2013 till now (ongoing).
- Nuclear Medicine Technologist at Radiation and Isotopes Center of Khartoum, Khartoum, Sudan, from 24.9.2014- ongoing.
- Diagnostic radiology technologist, diagnostic radiology department, elnelain diagnostic medical center, Khartoum, Sudan. 1.10.2014 till now.
- Computed radiography technologist, diagnostic radiology department, Elfaisal specialized hospital, from October 2014, till now.

### ***Training and courses:***

- Training at Computerize Tomography (CT), Diagnostic Radiology Department, Antalya Medical Center, Antalya medical center (Turkish), Khartoum, Sudan. From 1.10.2013, **ongoing**.
- Training at Diagnostic Radiology Department (x-ray) Antalya medical center (Turkish), Khartoum, Sudan. From October 2013- until now. (ongoing)
- Training at nuclear medicine department radiation and isotopes center of Khartoum, Sudan. From September 2013- until now.
- Training at Computed radiography technologist, diagnostic radiology department, Elfaisal specialized hospital, from October 2014, till now.

### ***Workshops:-***

- **One day workshop in Detection and Prevention of Breast Cancer;** Sudan University for Science and Technology (SUST) College of Medical Radiological Science (COMRS) Radiotherapy and nuclear Medicine Department, 2013.

### ***Publications:-***

- ***Yousif M. Yousif Abdallah, Mohamed E. Gar-elnabi1, Abdoelrahman H. A. Bakary<sup>1</sup>, Alaa M. H. Eltoum<sup>1</sup>, Abdelazeem K. M. Ali<sup>2</sup>, Calculation of organs radiation dose in cervical carcinoma external irradiation beam***

*using day's methods*, by Global Advanced Research Journal of Medicine and Medical Science (ISSN: 2315-5159) Vol. 3(5) pp. 090-094, May 2014.

- **Abdoelrahman Hassan A. B., Mohamed Elfadil M. Gar-elnabi<sup>1</sup>, Yousif Mohamed Y. Abdallah<sup>1, 2</sup>, Omer A. Omer<sup>4,5</sup>, *Outfield Dose Calculation in Treatment of Breast Cancer Using Radiotherapy TPs*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 4 Issue 1, page 2536- 2541, January 2015.**
- ***Yousif Mohamed Y. Abdallah<sup>1,2</sup>, Abdalrahman Hassan, *Segmentation of Brain in MRI Images Using Watershed-based Technique*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 3 Issue 8, page: 683- 687, August 2014.***
- **Abdelrahman A. Ahmed, Abdoelrahman Hassan A. B., M. E. M. Garelnabi<sup>1</sup>, *Evaluation of Radiation Dose for Cardiac Catheterization Staff*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 4 Issue 3, 797- 800, March 2015.**
- **Mohamed E. M. Gar-elnabi<sup>1</sup>, Abdoelrahman Hassan. A. B. Abdoelrahman A. Ahmed<sup>1</sup>, Mohamed Yousef<sup>1</sup>, *Evaluation of Radiation Dose Received By Patient during Cardiac Catheterization Procedure*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 4 Issue 3, 2353 - 2356, March 2015.**
- **Abdoelrahman Hassan A. B. M. E. M. Gar-elnabi<sup>1, 2</sup>, *Detection and GTV Definition of Brain Tumors in MRI Images Using Image Processing Technique*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 4 Issue 4, p 1256 -1260, April 2015.**
- **Abdoelrahman Hassan A. B.<sup>1, 2</sup>, Osama Satti, MD<sup>3</sup>, *Benign Versus Malignant Solid Breast Masses: US differentiation*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 4 Issue 9, p 1256 -1260, September 2015.**
- **Omer ali omer Hamid, Caroline Edward Ayad, Elsafi Ahmed abdalla, Abdoelrahman Hassan A. B., *Coronary Artery Calcium Scoring: A Computed tomography study*, by Wulfenia journal, ISSN 1561-882X, vol 22, No. 6, Jun 2015.**
- **Mahdi Ahmed Ibrahim, M. E. M. Garelnabi, Abdoelrahman Hassan A. B., *Assessment of Radioactive Iodine Treatment of Hyperthyroidism in Sudanese Patients*, by International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 4 Issue 12, p 1256 -1260, December 2015.**

## **Departmental and hospital presentations:-**

- *calculation of outfield radiation dose in external beam radiotherapy of cervical carcinoma*; Sudan university for science and technology (SUST) college of medical radiological science (COMRS).2013
- *Case study*; about the renal cell carcinoma, Sudan university for science and technology (SUST) college of medical radiological science (COMRS). Forth level, 2013
- *Modern technology in treatment of breast cancer*; Sudan University for Science and Technology (SUST), College of Medical Radiological Science (COMRS) Radiotherapy and Nuclear Medicine Department. November-2013.
- *Radiation Protection in Radiology Department*; Sudan University for science and technology (SUST) college of medical radiological science (COMRS) forth level 2012.
- *Diagnosis and Treatment of Breast Cancer*; Sudan University for science and technology (SUST) college of medical radiological science (COMRS) fourth level 2013.
- *Pathological introduction to neoplasm*; Sudan university for science and technology (SUST) college of medical radiological science (COMRS).2011

## **Field of interest:**

- Image Processing Techniques and programs.
- Image Texture Analysis.
- Computed tomography.
- PET- CT.
- MRI.
- Oncology and Pathology.
- Applied Radiation Protection
- Radiobiology
- Computer Application in Radiology
- Genetics
- General Physics

- Radiation Physics
- Interventional radiology
- Research Methodology
- General Medical Imaging and Diagnosis (PET, SPECT, NM, CT and MRI)
- Ultrasound study and research.

***Personal skills and competence:***

*Mother tongue:* Arabic

*Other language:* English

***Computer skills and competence:***

- Competent with all version of Microsoft office
- Have a good experience with HTML
- Very good in dealing with computer
- Good in drawing painting and photography

***Other skills:***

- Communication and self-motivated
- Able to work in team and individually
- Good ability in communicating with other people
- I aim to improve my own skills very well

## Referees:-

- *Assoc. prof. Dr. Mohammed Elfadil Mohammed Garel-naby*; Head of Radiotherapy and Nuclear Medicine Department; Sudan university for science and technology (SUST) college of medical radiological science(COMRS). P O Box 1990.  
mohamedalfadilmohamed@gmail.com
- *Assoc. prof. Mohammed Ahmed Ali Omer*; Radiotherapy and Nuclear medicine department; Sudan University for science and technology (SUST) college of medical radiological science (COMRS). P O Box 1990.