

Curriculum Vitae

1. Personal Data:

Name: Caroline Edward Ayad Kihilla
Date of birth: 17/09/1975.
Place of birth: Khartoum.
Religion: Christian
Marital status: Married with two children.
Degree Associate Professor (Diagnostic Radiology)

2. **Present address:** Sudan University of Science and Technology, College of Medical Radiological Science P.O. Box 1908, Khartoum –Sudan. Tel : 00249183771818. Fax : 00249183785215 . Mobile: 0922044764.E-mail: carolineayad@yahoo.com

3. Education:

- **1992** Khartoum Secondary school.
- **1987** Catholic Sister's school.
- **1986** St' Frances Primary School.

4. Qualifications:

- **2007 PhD in Diagnostic Radiological Technology**, Sudan University of Science and Technology, College of Graduate Studies, Khartoum- Sudan.
Research title: MRI Biological Effect On Certain Hematological And Histological Parameters.
- **2002 MSc .in Diagnostic Radiological Technology**, Sudan University of Science and Technology, College of Graduate Studies, Khartoum- Sudan.
Research title: Antero-Posterior Lumbosacral Technique Review.
- **1997 B.Sc in Diagnostic Radiological Technology**, Sudan University of Science and Technology, College of Medical Radiological Science, Khartoum- Sudan.

5. **Area of interest:** - Biological Effects of Non Ionizing Radiation.
- Radiographic And Cross Sectional Anatomy Images analyses and interpretation.
- Radiographic Pathology and Imaging Interpretation
- CT and MRI Technique and Physics.
- Radiation Hazard and Safety.

6. Professional experience:

- **2010 reviewer** articles for Journal of Science and Technology Sudan University Of Science and Technology, Khartoum- Sudan.
- **2003-2010 Internal Examiner for MSc Studies** (more than 10 Thesis) Sudan University of Science and Technology, College of Graduate Studies, Khartoum-Sudan.
- **2009 External Examiner** For BS.c Students (Batch 1) University of Science and Technology [For Examinations, Curriculum, Thesis's] Faculty of Radiological Sciences.
- **2003 Till now External Examiner** for BS.c Students, University of Science and Technology, Faculty of Dentistry [Oral Radiology and Maxillofacial Imaging].
- **2008 Till now member in the Central Examination Committee** Sudan University of Science and Technology.
- **2007 Till now member in the Accreditation Committee In Collage of Medical Radiological Sciences**, Sudan University of Science and Technology.
- **1999-2003 Part Time Lecturer at Alzaeem Alazhari University, College Radiological Science And Medical Imaging.**
- **2003-2005 Part Time Lecturer at AlRabat National University, College of Radiological Science And Nuclear Medicine.**
- **2009 Till now Part Timer, Teaching at The National College Of Medical And Technical Studies.**
- **2010 till now Part Timer, Teaching at Alneelain University, School of Dentistry.**
- **2011 Member in The Post Graduate Council** ,Sudan University of Science and Technology.
- **2003 Training in MRI Scanning** (Military Hospital, AlRabat National Hospital)
- **2001 Training in CT scanning.**(Modern Medical Center, Military Hospital)
- **1997- Training in Ultrasound**(Obstetrics and Gynecology, abdomen)
- **2010- Curriculum Mapping Training Course**, Self Assessment &Quality Control, Sudan University Of Science and Technology.
- **2010 – Digital Imaging processing (Mat lab)**, College of Computer Science and Information Technology, Sudan University of Science and Technology.

- **2011 –Scientific Research Skills Training Course, Sudanese Turkish Continuous Training Centre (STTC), Sudan University of Science and Technology.**

7. Teaching experience:

- Undergraduate:**
- Radiographic Anatomy.
 - Cross Sectional Anatomy.
 - Applied Radiographic Pathology [for Diagnostic and Radiotherapy Students].
 - Physiology
 - Pathology
 - Radiographic Techniques. [for Diagnostic Students]
 - Computerized Tomography [Physics and Techniques]
 - Magnetic Resonance Imaging [Physics and Techniques]
- Postgraduate:**
- Applied Anatomy [For Radiotherapy, Nuclear medicine, Diagnostic Radiological Technology Students.
 - MRI Physics [For Diagnostic Radiological Technology Students].
 - MRI Techniques [For Diagnostic Radiological Technology Students].

8. Supervision of post graduate students:

a- Sudan University of Science and Technology:

- **20 M.Sc** Students in Diagnostic Radiological Technology - Sudan University of Science and Technology, College of Graduate Studies, Khartoum- Sudan
- **6 Ph.D** Students in Diagnostic Radiological Technology - Sudan University of Science and Technology, College of Graduate Studies, Khartoum- Sudan.

Researches Supervision:

MRI Appearance Of The Knee Joint In Turbo Spin Echo (T1, PD and SPIR) In Sagittal Planes .By: Samih Awad Ali M.Sc Thesis In Diagnostic Radiological Technology -Sudan University Of Science And Technology- College of Graduate Studies, 2006.

Dental Radiology Optimum Techniques .By :Rihab Mohamed Ali .M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies ,2007.

Evaluation of Basic Conventional Dental Techniques. By Khalid Mohamed Ahmed .M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2008.

Relation Between Spleen Size And Portal Vein Diameter In Sudanese Patients Using Ultrasound. By Eltahir Mohamed Ali .MSc (By Research) Thesis In Diagnostic Medical Ultrasound Imaging , Sudan University Of Science And Technology-College of Graduate Studies ,2009.

Localization of Mandibular Canal Using Orthopantomography In Sudanese Patients.By: Zenab Homeda M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2011

Measurement Of Biliary Confluence Angle In Obstructive Jaundice Using Magnetic Resonance Choleangiography.By: Rania Ahmed Mohamed Fadil. M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2011.

Evaluation of MRI Safety Procedures In MRI Centers .By Shaza Elsir Mokhtar Abd-Elmagid. M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies ,2011.

Measurement Of normal end plates angle from T12 to L4 using ComputerizedTomography in Sudanese patients. By Amel Mohamed Osman, M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2011

Evaluation Of Magnetic Resonance Imaging Protocols in diagnosis of Shoulder Joint .By Marwa Mohamed M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies ,2011.(*Under Progress*)

Accuracy of MRI in Diagnosing Epilepsy, By Mohamed Abdalla M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2011. .(*Under Progress*)

Measurement of Normal biliary confluence angle in Sudanese population, By Eman Mohamed Ahmed, M.Sc (By Research)Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2010. .(*Under Progress*)

Dental age estimation in Sudanese adult patient using Orthopantomography
By: Hiba Mahgoub, M.Sc Thesis In Diagnostic Radiological Technology Sudan
University Of Science And Technology-College of Graduate Studies, 2010. (*Under Progress*)

Evaluation of the normal uterine anatomical structures measurements using MRI. ***By: Abdelmaged Seif Elyasel*** , M.Sc Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2010. (*Under Progress*)

Characterization of Pancreas in Sudanese diabetic patients using Computerized Tomography. ***By Afraa Seddig*** ,PhD Thesis In Diagnostic Radiological Technology Sudan University Of Science And Technology-College of Graduate Studies, 2011. (*Under Progress*)

b-Other Universities:

1 MSc Students in Medical Physics - Alnelain University College of Graduate Studies, Khartoum- Sudan.

Researches Supervision:

Evaluation Of Radiographic Appearance Of Brain Anatomical Structures Using MRI T1,T2, FLAIR Techniques) ***By Eman Mohamed Ahmed*** M.Sc Thesis In Medical Physics, Alnelain University -College of Graduate Studies, 2009

9. Research projects:

- Myctoma Research Center(Myctoma in Sudan and Methods Of Imaging , Diagnoses and Treatment)
- University of Khartoum, Faculty of Medicine, Department of Physiology, and College of Science Department of Physics (Biological Effects of MRI as New Imaging Modality.
- University of Medical Science and Technology (Researches in Maxillofacial surgery and Radiology)

10. Administrative experience:

- **2006-2007 Head of Basic Science Department** Sudan University of Science and Technology, College of Medical Radiological Science, Khartoum- Sudan.
- **2007-Up to date. Deputy Dean of Collage of Medical Radiological Sciences** Sudan University of Science and Technology.

11. Member ship:

- **2008- Up to date member of British Radiology Association .Britain- London**
- **2009- Up to date member of SUMRA,(Sudanese Medical Radiological Association . Khartoum –Sudan**

12. Publications:

Published Papers:

Alnazer.O Hamza ,**Caroline .E.Ayad**, S A Mustafa,K A Alrhman, W T Asir, **Effect Of MRI Static Magnetic Field On Certain Blood Parameters In Rats.** Journal Of Science And Technology,Vol.10 No.3 October 2009 .

Alsafi Abdella Bala,Syed Amir Gilani, Seif .E. Hassan, **Caroline.E.Ayad**, Abdelmoniem Suliman, Omer M.A.A,Gar-elnabi M.E.M. **Assessment Of Carotid Artery Changes In Hypertensive Patients Using Doppler Ultrasound in Sudan,** ISSN 2218-4139- Bi-Annual International Journal Of Medical Diagnostic Ultrasound. **Vol 2 Number 1 July 2011.**

Alsafi Abdella Bala,Syed Amir Gilani , Omer M.A.A,Gar-elnabi M.E.M, **Caroline.E.Ayad** ,Bushra H.Ahmed,Mostafa Z.Mahmoud,Zahra M A .Osman. **Ultrasound Findings Of Renal Failure Patients And Creatinine Serum Level Relationship,** ISSN 2218-4139- Bi-Annual International Journal Of Medical Diagnostic Ultrasound.**Vol 2 Number 1 July 2011.**

Alsafi Abdella Bala, Syed Amir Gilani ,Sumaiya.A Mohamed,**Caroline.E.Ayad** ,Gar-elnabi M.E.M.**Ultrasound Evaluation Of Chronic Kidney Diseases in Children,** ISSN 2218-4139 ,Bi-annual international journal of medical diagnostic ultrasound **VOL 1 Number 2 December 2010.**

Caroline .E.Ayad , Motasim .A Elseed, Mobarak Derrar , In vitro Study: **The Biological Effects Of MRI Radiofrequency Electromagnetic Field On Certain Blood Parameters Of Sheep.** Sudan Medical Monitor Journal.Vol 6 No . 2, 2011.

Caroline. E. Ayad. Motasem A Elseed, Mobarak Derrar,**A Histological Study On The Effect of Repeated Exposure To MRI Lumbar Spine Protocol On Swiss Albino Rats,** Sudan Medical Monitor Journal.Vol 6 No .3, 2011.

Alsafi Abdella Bala, Abeer Osman, Mohamed Elfadil Mohamed Gar- Elnabi, **Caroline.E.Ayad**, Abdelmonem Saeed. **Prediction Of Pre-eclampsia and Intrauterine Growth Restriction Using Uterine Artery Doppler Ultrasound. Sudan Medical Monitor Journal Vol. 6 No 3 .2011.**

Mohamed Yousef, **Caroline .E.Ayad**, Amin A.e.Elzaki, Abdelmonem Suliman, **Evaluation Of Radiology Request Forms in Diagnostic Centers in Khartoum State. Sudan Medical Monitor Journal.Vol 6 No . 3, 2011**

Caroline. E. Ayad, Osman Mubarak Ali Mohammed, Alsafi. A.A.Bala .Mohamed E.M.Garelanabi, **A Radiologic Study Of Biliary Tree Dimension In Obstructive Jaundice. Sudan Medical Monitor Journal.Vol 6 No . 2, 2011.**

Caroline .E.Ayad, Hussein. A. Hassan, Mosab. M. Elmahi, Mohamed E.M.Garelanabi., **The Effects of Magnetic Resonance Imaging Examinations On Vital Signs. Sudan Medical Monitor Journal.**

Caroline .E.Ayad, Bushra .H. Ahmed, Elgened Awad Yousif, Mohamed E.M.Garelanabi A **Radio Anatomical study: Measurement Of The Inter vertebral lumbosacral Angle and Optimization of X-Ray Tube Angle., Sudan Medical Monitor Journal.**

Mohamed E.M.Garelanabi, **Caroline .E.Ayad**. Khalda Adam Dawood, **Optimization of Exposure Factor for Chest X-ray, Sudan Medical Monitor Journal.**

Mohamed Yousif, Abdelmonem Suliman, Hussein A. Hassan, **Caroline .E.Ayad**, **Incidence Of Health Problems Among Dark Room Workers In Some Khartoum State Hospitals, Alzaaiem Alazhari University ,The Scientific Journal- ISSN 1858-5035**

Submitted For publication:

- 1- Omer S A, **Ayad C E**, Osman H M, Abdulrahman M A, Saeed A M, **Effects of Repetitive Static Magnetic Field Exposure on Serum Electrolytes and Histology of Certain Tissues of Swiss Albino Rats, Sudan Medical journal (SMJ).**

13. Seminars ,conferences and Symposia ,:

- 1- 25th International Congress of Radiology ICR 2008 ,5-8 2008Marrakesh –Morocco ,June .(Oral Presentation)
- 2- 2nd Arab Congress of Radiology, Alexandria-Egypt 2009 24-27 April 2009(Oral presentation)
- 3- The First Sudanese Oncology Conference, Khartoum-Sudan 4-6 December 2009.

14. Languages Spoken:

Mother tongue: Arabic Language.

Other Language: English Language.

15. Referees:

1- Prof .Ali Abdurrahman Ali Elhaj

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Khartoum Sudan, Tel: + 249 183 743602 – 743604, Fax: 0183
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2- Associate Prof Dr. Elsafi Ahmed Abdella ,

Dean Of The College Of Medical Radiological Science –Sudan University Of
Science And Technology –Khartoum Sudan –P.O.Box 1908 , College Of
Medical Radiological Science ,Tel _+249 9 12355314 , 249 123798972,

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3- Prof. Osman Saad-

Sudan University Of Science And Technology –Khartoum
Sudan,Professor(SUST) ,Mobile:0912137245, E-mail: ossaalmo@ yahoo.com.