

## **Dr. Nagi Ibrahim Ali Ibrahim** Professor

### **Qualifications:-**

B.Sc. in nuclear medicine (isotope Laboratory) Budapest paramedical School, Hungary, 1986  
IAEA Fellowship in nuclear medicine, WHO CCR, *Hammersmith hospital*, London, UK, 1996  
**B.Sc. Honor 2<sup>nd</sup> class division one** in nuclear medicine technology, university of Sudan(SUST), 1999  
**M.Sc.** in nuclear medicine technology university of Sudan., 2001  
**PhD** in nuclear medicine technology, Sudan Academy of Sciences (SAS)., 2009

### **Experience:-**

Sudan Atomic Energy Commission RIA laboratory. 1992 till 2014.  
IAEA training course in bulk reagents methodology for Radioimmunoassay, thyroid related hormone, Tunis, 1992  
IAEA training course, preparation of basic reagents for the RIA of Thyroid related hormones .Morocco ., 1993'.  
Regional (AFRA) training course on production of basic reagents for Radioimmunoassay (RIA) of tumor markers. Tunis.2000.  
**Head department** of central and satellite laboratories. Sudan atomic energy commission. (SAEC)2001 till 2015.  
**Director**, Nuclear Application in Biological Sciences (NABSI) Sudan Atomic Energy Commission.2013-2014.  
**Associate professor** in department of Radiological Sciences and Medical Imaging, College of applied medical sciences , Majmaah University, Saudi Arabia from 2014/2015 till now.  
**Editorial Board** : cancer research and reports journal from 2018 .

(<http://escires.com/cancer-research-reports/editorial-board/>)

## TEACHING EXPERIENCE:-

- 1/ Teaching Nuclear Medicine course for postgraduate students, Al-Neelain university. 2001- 2008
- 2/ Assistant prof. Sudan university of science and technology SUST(2010-2013).
- 3/ Associate prof. Sudan university of science and technology SUST(2013- 2014).
- 4/ Associate prof. Almajmaah university ,college of applied medical sciences,radiology department (since academic year 2014-2015) till present

**Experience of teaching the following courses in **Almajmaah University**, College of Applied Medical Sciences (CAMS).Riyadh, Kingdom of Saudi Arabia ,(KSA)**

- 1/ **Ultrasound physics and Instrumentations.**
- 2/ **Nuclear medicine physics and instrumentations.**
- 3/**Physics of Medical equipments.**
- 4/ **Biophysics.**
- 5/ **Principle of Physiology.**
- 6/ **Radiation Biology and Protection.**
- 7/ **Radiographic Photography.**
- 8/ **Radiographic Anatomy.**
- 9/ **Nuclear Medicine Techniques.**
- 10/ **Care of patient and ethics in radiology.**
- 11/ **Research methodology.**
- 12**General Pathology**
- 13/**Radiation physics and equipments.**
- 14/ **Quality Assurance in Radiology**
- 15/ **Introduction to medical Imaging**
- 16/**Digital Imaging Systems**
- 17/ **Graduated projects supervisor**
- 18/ **Image Analysis**
- 19 / **Oncology and radiotherapy**

### College general courses :(CAMS)

- 14/ **Quality of Health Care.(CAMS 234)**
- 15/ **Biostatistics.(CAMS 233)**
- 16/ **Health and fitness (HAF 101)**

### Supervision: Supervisor of

#### **Master (MSc) projects:**

- 1) Zinc and Copper Levels on diabetic patients in Khartoum. Sudan Academy of science (SAS) 2012 council of biotechnology and environmental sciences.
- 2) Thyroid status on full term low birth weight deliveries in Sudan (2012) Sudan Academy of science (SAS) council of biotechnology and environmental sciences.
- 3) Comparative study of thyroid hormonal function between Central and western Sudan(SAS)
- 4) Essential Trace elements level in Moringa Olivera leaves.(SAS).
- 5) Hormonal activity on breast cancer menopause Sudanese women. Al- Neelain University.
- 6) Insulin level on young Drug users ( study on Bango users).
- 7) Trace elements concentration on breast and prostate cancer patients.

**External examiner** of Master degree to the Nuclear Medicine Technology and medical physics MSc student. Sudan University of Science and Technology(SUST), faculty of radiological science (2008- 2015)

**External examiner** of PhD .degree, SUST since 2014.

**External examiner** for Master program in Majmaah University, college of applied medical sciences, radiological science, and medical imaging department 2015-till now.

**External examiner** in Faculty of Medicine (projects assessment) Majmaah University from 2016-till present.

### Management experience:

**1/ Director of Nuclear application Institute ,Sudan academy of Sciences. Ministry of higher education and scientific research, Sudan/Khartoum 2012-2014.**

**2/ Head of chemistry and Radioisotopes department - Ministry of higher education and scientific research, Sudan/Khartoum 2008-2012.**

**3/ Member of the council of Radiological sciences and Medical Imaging (RMI) department, College of Applied Medical Sciences(CAMS), Almajmaah University, Riyadh,KSA from the academic year 2014-2015 till now.**

**4/ Head of Scientific Research Unit, College of Applied Medical Sciences (CAMS),Almajmaah University, Riyadh,KSA for the academic year 2015-2016.**

**5/ Editorial bord Member of Majmaah Journal of Health Science (MJHS) from the academic year 2016 to 2018 .**

**6/ Council member of the research Centre of medical and health colleges in Majmaah University, KSA, from 2015-2016 to 2016-2017**

**7/ Member of assessment and examination unit in the College of Applied Medical Sciences (CAMS),Majmaah University,KSA from the academic year (2014-2015) till now .**

**8/ Head of Quality Control and academic accreditation unit of the Radiological sciences and Medical Imaging (RMI) department , College of Applied Medical Sciences (CAMS),Majmaah University KSA . from 2016 till 2019**

## PUBLICATIONS

(<https://www.researchgate.net/profile/Nagi-Ali>) - researchGate

### International Journals:

- 1) Ibrahim EA, Kheir MM, Elhardello OA, Almahi WA, **Ali .N.I**, Elbashir MI, Ishag Adam. Cortisol and uncomplicated plasmodium falciparum malaria in an area of unstable malaria transmission in eastern Sudan. Asian Pacific Journal of tropical medicine. Jan (2011).
- 2) Adam I, B.Y.Nour, W.A.Almahi, E.S.M.Omer, **N.I.Ali**. Malaria Susceptibility and cortisol levels in pregnant women of eastern Sudan. International Journal of Gynecology and obstetrics.2007.98:260-1.
- 3) Ammar Mohammed Elamin, Rukhsana Ahsan, **Nagi Ibrahim Ali**, Amal Mahmoud Saeed. Serum prolactin level in healthy Sudanese Subject. Sudan Medical Journal (2008).
- 4) Ishraga I.Abdelrahim, Gamal K.Adam, Ahmed A.Mohammed, Magdi M.Salih, **Naji I.Ali** , Mustafa I.Elbashir, Ishag Adam. Anaemia, folate and vitamine B12 deficiency among pregnant women in an area of unstable malaria transmission in eastern Sudan. Transaction of the royal society of tropical medicine and hygiene. (2009)103:493-496.
- 5) E.Y.Ali, G.K.Adam, S.Ahmed, **N.I.Ali**, I.Adam. Maternal and neonatal hormonal profiles in anaemic pregnant women of eastern Sudan. International Journal of Gynecology and obstetrics. May2009; 29(4):311-314.
- 6) Mohamed Bshara, Elhassan M. Elhassan, **Naji .I. Ali**, Elfatih Osman, Khalid H. Bakheit and Ishag Adam (2009). Anaemia,Zinc and Copper Deficiencies Among pregnant Women in Central Sudan. Biol trace elem Res, Dec2009.
- 7) Abdelrahim II,Mahgoub HM, Mohamed AA, **Ali. N.I** , Elbashier MI, Adam I. Anaemia, folate, Zinc and copper deficiencies among adolescent schoolgirls in eastern Sudan. Biol trace elem Res (2009) 132:60-66.
- 8) Ayoub A.Mohamed, Abdelazim A.Ali, **Naji .I.Ali**, Elshafae H.Abusalama, Mustafa I.Elbashir, Ishag Adam. Zinc, parity, infection, and severe anemia among pregnant women in kassala, Eastern Sudan. Biol trace elem Res (2010).
- 9) Alfarazdeg A. Saad, Omar E.Mohamed,AbdelAzim A.Ali,Ahmed M.Bashir,**Naji .I. Ali** Mustafal. Elbashir,Ishag Adam. Acute -phase protein in pregnant Sudanese women with severe plasmodium falciparum malaria. Transaction of the royal society of tropical medicine and hygiene 106 (2012)570-572.
- 10) MOHAMED YOUSEF, ABDELMONEIM SULEIMAN, **NAG1.I.ALI**, A/M.HASSAN and KHALID.H. ELTOM .CHARACTERIZATION OF RADIOIMMUNOASSAY AND SCINTIGRAPHY AS DIAGNOSTIC TOOLS FOR GOITER IN SUDANESE PATIENTS.Ozean Journal of Applied Sciences 5(2), 2012 ISSN 1943-2429© 2012 Ozean Publication.
- 11) Alfarazdeg A. Saad, Yassir.A. Doka,Shamsselfalah M.Osman,Mamoun Magzoub,**Naji I.Ali** and Ishag Adam. Zinc, Copper and C - reactive protein in Children with Severe plasmodium falciparum Malaria in an Area of Unstable Malaria Transmission in Eastern Sudan. Journal of tropical pediatrics (2012).
- 12) Alaeldin Elhadi <sup>1</sup>, Duria A Rayis <sup>1</sup>, Hala Abdullahi <sup>1</sup>, Leana M. Elbashir <sup>1</sup>,**Naji I. Ali** <sup>2</sup> Ishag Adam<sup>1\*</sup> Maternal and umbilical cord blood levels of zinc and copper in active labor versus elective cesarean delivery at Khartoum Hospital, Sudan.( Biological Trace Element Research ISSN 0163-4984 Biol Trace Elem Res DOI 10.1007/s12011-015-0411) june 2015.
- 13) Nagla Abdllah, Ahmed Abukuna , **Naji I.Ali**, Bader Abu Naib ,Nadia S. Ali, Diagnostic Reference Levels as a Quality Assurance Tool for routine X-ray Examinations in Sudan , International Journal of Science and research(IJSR) ISSN (online) 2319-7064, Volume 6 issue 6,June 2017 [www.ijsr.net](http://www.ijsr.net).
- 14) **Nagi I. Ali** <sup>1</sup>, *Abdallah O. Alamoudi* <sup>1</sup>, *Ishag Adam* <sup>2</sup> . Reference intervals of thyroid hormones in a previously iodine-deficient area in Darfur, Sudan,Theraputic advances in Endocrinology and Metabolism,UK, 2018

15) **Nagi I.Ali**, Abdullah O. Alamoudi and Yousif Mohamed Y. Abdullah, The Use of Nuclear Medicine Invitro Technology to Study the Effect of Malnutrition on children's Thyroid Function, Majmaah Journal of Health Sciences ,Vol.5, issue 2, Nov. 2017 - Rabiul Awwal – 1439.

16) Hajo Idriss, Isam Salih, ... and **Nagi I.Ali**, Health risk profile for terrestrial radionuclides in soil around artisanal gold mining area at Alsopag, Sudan, Acta Geophysica journal , July 2018.

### **Books:**

17) **Nagi Ibrahim Ali**. A novel Role of Nuclear Medicine Invitro Technology in Pregnancy. (Related Disorders on Sudanese Women). copyright© 2011. Publisher. LAP LAMBERT Academic Publishing GmbH&Co.KG, Dudweiler LanstraBe99,

D-66123 Saarbrücken. Amazon Distribution GmbH, Leipzig, Germany.

ISBN: 978-3-8454-1749-3.

18) **Nagi Ibrahim Ali** and Rihab Mohamed Elamin. Essential bio-indicators of low-birth-weight deliveries in Sudan. Publisher. LAP LAMBERT Academic Publishing GmbH&Co.KG., Leipzig, Germany. ISBN-978-3-659-34544-9. Project number: 79315 copyright© 2013. Amazon Distribution GmbH.

19) O.M.ABDALLA, N.E.MUSA, **N.I.ALI**. Raising of antisera and development of IRMA serum ferritin. IAEA, International Symposium on Modern Trends in Radiopharmaceutical for Diagnosis and Therapy. Lisbon, 30 March – 3 April 1998.

20) **N.I.ALI**, M.S.MOHAMMED, O.M.ABDALLA, A.M.ELAMIN. Determination of the Normal Range of Thyroid Hormones in Sudanese by Locally Produced Reagent. 5th Arab Conference on the peaceful uses of Atomic Energy, Beirut, 13-7 Nov 2000.

21) O.M.ABDALLA, A.M.HASSAN, M.M.KHALED, N.M.SHABOO, **N.I.ALI**. Study on the carcinoembryonic antigen (CEA) and alpha fetoprotein (AFP) in serum of tobacco users and smokers in Sudan using immunoradiometric assay. 6th Arab conference of peaceful uses of atomic energy Cairo Dec 2002.

22) **N.I.ALI**, M.S.MOHAMMED, O.M.ABDALLA, M.A.H.ELTAYEB, A.M.ELAMIN, A.SH.KHALED. Production of donkey anti sheep sera and its uses in RIA, Reunion (2001). 2nd congress of the African association of nuclear medicine.

23) **N.I.ALI**, M.S.MOHAMMED. Alfa fetoprotein in liver cancer and liver affecting tropical diseases. South African association of nuclear medicine, Durban, South Africa (1997).

24) A.M.HASSAN, S.O.BASHIER, M.A.ALTOUM, F.A.KHANGI, and **N.I.ALI**. Iodine versus thyroxine in treatment of simple goiter in Omdurman, Sudan. 6th Arab conference of peaceful uses of atomic energy Cairo Dec (2002).

25) M.S.MOHAMMED, **N.I.ALI**. Seminal plasma fructose and Zinc levels as indicator of androgenic activity. 1st Arab conference of chemistry, Jordan 2001.

26) A.M.ELAMIN, A.M.SAEED, R.AHSAN, **N.I.ALI**. Determination of serum prolactin level in normal Sudanese subjects using RIA kit with locally produced secondary antibody. 2nd international conference of chemistry and its applications Qatar Doha Dec 2003.

27) **N.I.ALI**, M.S.MOHAMMED, O.M.ABDALLA, M.A.H.ELTAYEB, M.M.OSMAN, A.M.ELAMIN. Use of radioimmunoassay (RIA) to evaluate locally produced secondary antibodies as a separation system for some invitro investigations in nuclear medicine. 6th Arab conference of peaceful uses of atomic energy Cairo, Dec 2002.

28) **N.I.ALI**, O.M.Abdala, M.M. Khalid A.M.Hassan, H.A.Hadi, W.A.Almahi. HCG and AFP in Sudanese pregnant women. 7th Arab conference of peaceful uses of atomic energy, Sanaa, Yemen, Dec 2004.

29) **N.I.ALI**, A.M. ELAMIN, S.H.ABBAS. Development and evaluation of magnetic solid phase radioimmunoassay for total human thyroxine (T4). 9th Arab conference of peaceful uses of atomic energy Lebanon, Beirut. Dec 2008.

30) **N.I.Ali**, F.S.Mohamed, M.M.Bushra. Endocrinal investigations on Sudanese malnourished children (2nd International conference of chemistry and its application, Qatar, Doha 2003).

- 31) Omer M.Adallah,Nabila M. Elbagir, and **Nagi .I.Ali** Preparation of ferritin immunogen and raising of antiserum for immunoradiometric assay,(2nd international confrence of chemistry and its applications,QatarDoha dec 2003).
- 32) S.M.Bafarag, M.A.H.Eltyeb, A.M.Elamin, A.M.Hassan, and **N.I.Ali**. Astudy on the response of breast cancer to adjuvant and radiotherapy using carbohydrate antigen (CA15-3), (2nd international conference of chemistry and its applications, Qatar Doha Dec 2003).
- 33) S.M.Osman, O.M.Abdallah and **N.I.Ali**. Local production of polycononal anti-luteinizing hormone antisera and its use in radioimmunoassay LH kit, 7th Arab conference of peaceful uses of atomic energy, Sanaa, Yemen, Dec 2004.
- 34) N.I.Ali**, S.M.I.Bafarg, M.A.H.Eltyeb, W.A.A.Almahi and O.M.Abelgadir. Statistical study on Reproductive Hormones Disorders of Sudanese subjets using immunoradiometric assay, 7th Arab conference of peaceful uses of atomic energy. Yemen2004.
- 35) N.I.Ali**,I.G.Abdulrahman,O.M.Abdalla, , and I.Adam. Early detection of Down’s syndrome on Sudanese pregnant women. (2012).jurnal of medical sciences, Malaysia.
- 36) N.I.Ali**,A.O.Ali,M.A.Abdalrahman.Thyroid status of low birth weight deliveries.12<sup>th</sup> Arab conference of peaceful uses of atomic energy, Sharmaelshaikh,Cairo,may.2015.
- 37) N.A.Mohamed,M.S.Mohamed,and **N.I.Ali**. CA72/4 and CA125 in early detection and follow up of ovarian carcinoma in Sudan. 12<sup>th</sup> Arab conference of peaceful uses of atomic energy, Sharmaelshaikh,Cairo,may.2015.
- 38) Mustafa A.B.<sup>1</sup>, Abunokhila A.M.<sup>2</sup>, **Ali N.I.**<sup>3</sup> USE OF MILK PROGESTERONE ASSAYS FOR DETERMINATION SOME REPRODUCTIVE PERFORMANCES IN DROMEDARY CAMEL, *Kazakhstan international conference,2015*.
- 39) **Nagi I. Ali**, Abdullah O. Alamoudi and Ishag Adam. Reference intervals of thyroid hormones in a previously iodine-deficient area in Darfur, Sudan, *Ther. Adv. Indocrinol. Metab.* 2018, Vol. 9(9) 293–297 [https://DOI: 10.1177/20420188187812](https://doi.org/10.1177/20420188187812)  
[journals online journals.sagepub.com/home/tae](https://journals.sagepub.com/home/tae) SAGE journals
- 40) Hajo Idriss, Isam Salih, Abdulaziz S. Alaamer, M. A. AL-Rajhi, Alshfia Osman,Tahir lamin Adreani,M. Y. Abdelgalil, **Nagi I. Ali**, Health risk profile for terrestrial radionuclides in soil round artisanal gold mining area at Alsopag, Sudan, *Acta Geophysica (2018)* 6:673–681 <https://doi.org/10.1007/s11600-018-0166-6>
- 41) Imad R. Musa<sup>1</sup>, **Nagi I. Ali**, Sittana A. Elseed, Osman E. Osman and Ishag Adam , Reference intervals of thyroid hormones in Khartoum, Sudan, *BMC Res Notes (2018)* 11:729 <https://doi.org/10.1186/s13104-018-3840-5>
- 42) **Nagi I. Ali** ,Sami N.A. Elgak , Yousif Mohamed Y. Abdallah and Hajo Idriss, Assessment of iodine supplementation program on thyroid function in Sudan, *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 13 (2019) 678-680- <https://doi.org/10.1016/j.dsx.2018.11.036>
- 43) **Nagi Ibrahim Ali** , Hussam Zain , Ranjay Kumar Choudhary and Hebatalla A. Satti . The efficiency of using maternal markers in early detection and management of congenital anomalies in Majmaah city, KSA , *Journal of Radiation Research and Applied Sciences* 15 (2022) 181–185, *Contents lists available at ScienceDirect* , [www.journals.elsevier.com/journal-of-radiation-research-and-applied-sciences](http://www.journals.elsevier.com/journal-of-radiation-research-and-applied-sciences)
- 44) Siddeg K. M. Al-Mahdi , Saida A. O. Mohammed , Rahma A. Awad , Afraa Siddig , Sami N. A. Elgak<sup>2</sup>, **Nagi I. Ali** \* Sonographic Study of Normal Common Bile Duct Diameter in Saudi Subjects. *International Journal of Biomedicine* 13(2) (2023) 265-268 , [http://dx.doi.org/10.21103/Article13\(2\)\\_OA11](http://dx.doi.org/10.21103/Article13(2)_OA11)

45) Moattar Raza Rizvi , \***Nagi Ibrahim Ali** , Alaa Ibrahim Ahmed , Rahma Abdalla Adam , Sami N. A. Elgak, Knowledge, Attitude, and Practice of Stroke and Its Risk Factors and Warning Signals Among the Students of the College of Applied Medicine at Majmaah University, Saudi Arabia, *International Journal of Biomedicine* 13(2) (2023) 326-332,. [http://dx.doi.org/10.21103/Article13\(2\)\\_OA24](http://dx.doi.org/10.21103/Article13(2)_OA24)

46) Ayman Mustafa , Abdalla Elgenaidi, **Nagi Ibrahim Ali** and Asim Faraz,. Protective Effect of Camel Milk on Fatty Liver Disease induced High Cholesterol Diet intake of Albino Rats,. 6th Conference of ISOCARD, King Faisal University, KSA, 2023. DOI: [10.13140/RG.2.2.14874.93127](https://doi.org/10.13140/RG.2.2.14874.93127)

47) S.Elwahaishi, A. Mustafa and **N. Ali** ; RISK FACTORS OF CORONARY HEART DISEASE PATIENTS AT MISRATA: AWARENESS AND ORIENTATION, 2<sup>nd</sup> International Conference on Science and Engineering, ICSE 2023; Faculty of Engineering-University of Bani-Waleed, Libya ISBN 978-9959-9703-2-9 ; Paper Code: ICSE-004

<file:///C:/Users/d77/Desktop/2024%20NAGI%20articles/conference%20papaer%202024.pdf>

48) Hafsa Abdaallah , Afraa Siddig ,Saida Abdalkareem , Rahma Abdalla , Shayma Ahmed , Alaa Ibrahim ,Sami Aljack , Abdullah A. Althobity , Abdulaziz Ali Hazzazi and **Nagi Ibrahim Ali**: A narrative Role of MRI on morphometric evaluation of Adult corpus Callosum 2024  
49)

#### **CURRENT RESERCH ACTIVITIES:-**

- Quantitive determination of cancer antigen (CA15-3) and (CEA) antigen level in serum to monitor the response of breast cancer to radiotherapy and chemotherapy.
- Thyroglobulin production by malignant and benign thyroid tumours, A radioimmunoassay study.
- Serum thyroglobulin for early detection of metastases and recurrences in the follow-up of patients with differentiated thyroid carcinoma in Sudan.
- Alph-feto-protein (AFP) and (HCG) in pregnancy and pregnancy-related disorders in Sudan.
- Evaluation of thyroid hormones in pregnant women.
- Study of AFP and HCG in pregnancy disorders in Sudanese pregnant women. Case studies.
- Researches of low birth deliveries in Sudan.
- Studies on Moringa olivera as medicinal plant.

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