

ABDULLAH ALOSAIMI

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EXPERIENCE

01/ 09 /2021 – 30/09/2021

NUCLEAR MEDICINE AND RADIOLOGY TEACHING ASSISTANT

- Majmaah University, College of Radiology and Medical Imaging

01/ 02 /2018 – 30/09/2021

NUCLEAR MEDICINE AND RADIOCHEMISTRY LAB

- Security Forces Medical Cities, Ministry of Interior – Radiology and Nuclear Medicine Department

15/ 12 /2018 – 30/05/2019

NUCLEAR/RADIOLABELING/RADIOCHEMISTRY LAB- RESEARCH PROJECT

- Division of Advance Medical Imaging Research at The University of Alabama at Birmingham Hospital (UAB)

Radiolabeling project; Development of new labeling methods using ^{68}Ga and cSN50-peptide

05/01/2018 – 12/18/2018

NUCLEAR MEDICINE TECHNOLOGIST-STUDENT INTERNSHIP

- The University of Alabama at Birmingham Hospital (UAB)

General nuclear medicine, using seven GE SPECT and SPECT/CT cameras. Most of the general nuclear medicine studies had been done in the site, the particular case in this site is Octreoscan (^{111}In -labeled octreotide)

- The Kirklin Clinic- Cardiology

Cardiac-GE and Cardiac-Philips are the cameras used in the site

- Saint Vincent PET Center

PET/CT Siemens camera, studies performed ^{18}F -FDG, ^{18}F -NaF, and (^{18}F -fluciclvine (Axumin) for four patients every week)

- Cardinal Health (Radiopharmacy) Observation of kits preparation and labeling
- Advanced Imaging and Research Center (AIC) at UAB Hospital.

The center has a cyclotron and $^{68}\text{Ge}/^{68}\text{Ga}$ generators. ^{68}Ga -DOTATATE is performed in the site

05/01/2015 – 29/05/2016

NUCLEAR MEDICINE TECHNOLOGIST-STUDENT INTERNSHIP

NEW YORK-PRESBYTERIAN HOSPITAL (COLUMBIA UNIVERSITY), NEW YORK CITY

- **General nuclear medicine department:** Most of the general nuclear medicine studies are preformed, the special case to me in this site is ^{125}I -Glofil test (*to measures the Glomerular Filtration Rate of the kidneys*). SPECT/CT Siemens cameras are used in the site
- **Nuclear cardiology department:** MUGA study, MI test using $^{99\text{m}}\text{Tc}$ sestamibi, and rarely Thallium-201 are performed. SPECT/CT Philips, SPECT Siemens, and Cardiac-GE cameras are used
- **Nuclear oncology department:** Three PET/CT Siemens cameras using ^{18}F -FDG, ^{18}F -NaF, and ^{13}N -ammonia (myocardial study)

EDUCATION

APRIL 2019

MASTER OF SCIENCE (RESEARCH) MAJORING IN NUCLEAR MEDICINE TECHNOLOGY,
THE UNIVERSITY OF ALABAMA AT BIRMINGHAM, USA

GPA of 3.62/4

Related courses: advanced to the nuclear medicine courses in the bachelor's degree,

- Radiopham/Pharmacology with lab
- Professional skill courses
- Management & leadership skills clinical professionals
- Research design and statistic
- Analysis of scientific publication
- Non-thesis research (Experimental Project)
- Thesis research (Experimental Research Project)

MAY 2016

BACHELOR OF SCIENCE MAJORING IN NUCLEAR MEDICINE TECHNOLOGY,
MANHATTAN COLLEGE IN NEW YORK CITY, USA

GPA 3.05/4, honors: dean's list

Related courses:

- Radiation physic
- Biology, Chemistry and Physics
- Radiation detection and protection
- Human anatomy and physiology (2)
- CT imaging
- Cross-sectional imaging
- Statistics
- Public speaking
- Radiation biology

Related programs used in research courses:

- Endnote

- Statistical Package for the Social Science (SPSS)
- IRP training

VOLUNTEER EXPERIENCE

JULY 2017

KING FAISAL SPECIALIST HOSPITAL AND RESEARCH CENTER

Nuclear Medicine Technologist

HONORS & AWARDS

- Dean's List in the bachelor studies from Manhattan College
- 2019 Society of Nuclear Medicine Molecular Imaging -TS (USA) Career Advancement Grant

RESEARCH

- Look at the feasibility of using radioactive iodine to treat colon cancer. (Doxorubicin for Radioiodine Targeted Therapy of Treatment Resistant Metastatic Breast Cancer, Hepatocellular Cancer, and Colon Cancer)
- Development of labeling methods of the cSN-50 peptide using ^{68}Ga
- Scooping/literature review submitted for publication: " ^{68}Ga -Labelled Radiopharmaceuticals for Diagnostic Application Beyond SRRT and PSMA Imaging." (Thesis research for my master's degree)

Related certification courses:

- Certified with 20 task-based training programs in Laboratory Specific Safety

PUBLICATION

Patel, P., **Alosaimi, A.**, Bryant, N., Kemp, N., Parker, D., Rancher, E., & George, R. (2019). Use of Doxorubicin for Radioiodine Targeted Therapy of Treatment Resistant Metastatic Breast Cancer, Hepatocellular Cancer, and Colon Cancer. *Journal of Nuclear Medicine*, 60(supplement 1), 3025.

Alosaimi, A; George, R; Lapi, SE; Bolus, NE. [^{68}Ga] Labeled Radiopharmaceuticals for Diagnostic Applications Beyond SSTR and PSMA Imaging. The University of Alabama at Birmingham, *ProQuest Dissertations Publishing*, 2019. 13898788.

LABORATORY EXPERIENCE

- High-Performance Liquid Chromatography (*HPLC*)
- Bicinchoninic acid assay (*Protein Assay*)
- $^{68}\text{Ge}/^{68}\text{Ga}$ generator
- Western Blot test
- Lyophilization process
- Radiolabeling test and treatment

- Conjugation; peptides, radiometal, etc. (*organic reaction*)
- Radiation protection and detection
- Preparation of Chemical Solution

LICENSE AND CERTIFICATIONS

- *Saudi Commission for Health Specialized, as Nuclear Medicine Senior Specialist*
- Nuclear Medicine Program completion for the Master of Science
- Intravenous IV certification
- Certificate of Cardiopulmonary Resuscitation

SKILLS

- Quick learner, keen to learn and improve skills
- Resourceful team player who excels at building a trusting relationship with others, especially patients
- Provide imagines, data analysis, and patient info to the physician for diagnostic interpretation
- Professional in two languages; Arabic and English
- Numeracy skills, written and verbal communication skills
- Excellent experience in Microsoft Office
- Administered and prepared radioactive doses
- Checked in packages containing radioactive materials
- Performed quality control on all equipment in all the nuclear medicine department
- Performed patient imaging procedures
- Monitored patient's physical condition during the course of the procedure

According to Mr. Norman Bolus MSPH, CNMT, FSNMMI-TS, The President of The Society of Nuclear Medicine and Molecular Imaging-TS (SNMMI-TS) and the program director for the UAB MNMT:

“As the program director of the University of Alabama at Birmingham (UAB) Master of Science of Nuclear Medicine Technology (MSNMT), I have known Abdullah Alosaimi since 2017 when he applied to and was accepted into our UAB MSNMT program. In this time, I have seen Abdullah grow in his interest and accomplishments in research. He sought out an opportunity in the UAB Advanced Imaging Center to do research in developing and radiolabeling radiopeptides. In addition, he encouraged the program to begin a thesis option for students and was fortunate enough to be able to be the first student to take advantage of it. He has demonstrated to me his determination, hard work and educational merit by accomplishing all these things in his time with our program. I highly recommend him for any graduate PhD program in his future endeavors.” (2019)