

1. Research and publications

The Department actively working on clinical and basic science research projects. There are four funded and 17 unfunded projects that are ongoing in the department. In addition, academic staff of the Department continue to participate in International Conferences to present their research work.

2. Given below is the list of publications in the year 2018/2019.

i. Original articles

1. Alnafisi N, Dannoon S, Alenezi S, Salem S, Alsaleh M, Asa'ad S. Septal/Lateral wall ratio in myocardial perfusion imaging: is it different between hypertensive and normotensive patients? Egyptian Journal of Radiology and Nuclear Medicine Manuscript Accepted for Publication on October 2018
2. Dannoon S, Al-Fouzan W, Alenezi S, Alosaimi A, Alhusain M, Elgazzar A. Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis". Indian Journal of Nuclear Medicine 2019; 34: 27-31.
3. Alenezi S, Dannoon S, Alnafisi N, Asa'ad S, Osman M, Elgazzar A. Effect of Brown Adipose Tissue Activation on Myocardial [18F]FDG Uptake. World J Nucl Med. Accepted for publication on July 2019.
4. Sarikaya I, Sarikaya A. Current Status of Radionuclide Renal Cortical Imaging in Pyelonephritis. J Nucl Med Technol. Accepted for publication 2019.
5. Sarikaya I, Sarikaya A, Sharma P. Assessing effect of various blood glucose levels on 18F-FDG activity in the brain, liver and blood pool. J Nucl Med Technol. 2019. Accepted for publication.
6. Sarikaya I, Sharma P, Sarikaya A. F-18 fluoride uptake in primary breast cancer. Annals of Nuclear Medicine. Ann Nucl Med. 2018; 32:678-686.
7. Sarikaya I, Sarikaya A. Assessing 18F-FDG uptake in the sentinel lymph node in breast cancer. J Nucl Med Technol. 2018 Nov 9.pii: jnmt.118.219758.doi:10.2967/jnmt.118.219758.
8. Sarikaya I, Sharma P, et al. Assessing oral glucose and intravenous insulin loading protocol in 18F-FDG PET cardiac viability studies. Accepted for publication. World J Nucl Med 2018.
9. Ege GA, Karamustafaoglu Y, Balta C, Sut N, Sarikaya I, et al. Prognostic Significance of F-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Derived Metabolic Parameters in Surgically Resected Clinical N0 Non-Small-Cell Lung Cancer. Nucl Med Commun. 2018; 39:995-1004.
10. Ghanem M, Dannoon S, Elgazzar A: The added value of SPECT- CT in the detection of Heterotopic Ossification on bone scintigraphy. Skeletal Radiology, July 2019.
11. Sarikaya I, Sarikaya A, Elgazzar AH, Caloglu VY, Sharma P, Baqer A, Caloglu M, Alfeeli M. PSA cutoff value for ordering NaF PET/CT bone scan in patients with prostate cancer. World Journal of Nuclear Medicine 2018;17: 281-285

12. Loutfi I. Medical Nuclomics: a new order in nuclear medicine practice. *Nuclear Medicine Communications* 40:294-6, 2019
13. Masoomi M, Alnafisis N, Alenezi S, Aldousari H, Alshammari I. Efficiency of Yttrium-90 time of flight PET/CT in post radioembolization imaging of microsphere biodistribution in Radiosynovectomy. *International journal of nuclear medicine and radioactive substances*.1:100-105, 2018
14. De Franceschi M, Alqabandi M, Weissenhorn W, Bassereau P. Dynamic and Sequential Protein Reconstitution on Negatively Curved Membranes by Giant Vesicles Fusion. *Bio-protocol* 9(13): e3294. DOI: 10.21769/BioProtoc.3294. Published Vol 9, Iss 13, 05 July 2019
15. De Franceschi N*, alqabandi M*, Miguet N, Caillat C, Mangenot S, Weissenhorn W, Bassereau P. The ESCRT protein CHMP2B acts as a diffusion barrier on reconstituted membrane necks. *J Cell Sci* 2019 132: jcs217968 doi: 10.1242/jcs.217968 Published August 2018
16. Beber A, Alqabandi M, Prevost C, Viars F, Levy D, Bassereau P, Bertin A, Mangenot S. Septin-based readout of PI(4,5)P2 incorporation into membranes of giant unilamellar vesicles. *Cytoskeleton*, doi: 10.1002/cm.21480 Published August 2018
17. Masoomi M, Al-Shammeri I, Kalafallah K, Elrhman H, Ragab O, Ahmed E, Al-Shammeri J, Arafat S. Wiener filter improves diagnostic accuracy of CAD SPECT images-comparison to angiography and CT angiography. *Diagnostic Accuracy Study*. Accepted December 27th 2018.
18. Masoomi M, Al-Shammeri J, Al-Shammeri I, Elrhman H, Bashir M, Bradley D. Establishment of National DRL for CT in hybrid imaging studies “The first national NM CT (PET) dose audit for KW population”. *International Journal of Recent Scientific Research*. 2019; 10 (7): 33478-88.

ii. Books

1. Elgazzar A, Sarikaya I. *Nuclear medicine companion*, Springer, New York, 2018
2. Elgazzar A, Alenezi S. *A concise guide to Nuclear Medicine*, Springer, New York, 2019

3. Community Services

The department has continued to provide clinical and nonclinical services at the various Departments of Nuclear Medicine in the Ministry of Health hospitals. The following members of the department are currently chairmen of Nuclear Medicine departments at MOH: Dr. Saud Alenezi, Dr. Naheel Alnafisi and Dr. Mohammad Ghanem. In addition, Dr. Saud Alenezi is the head of the council, Dr. Naheel Alnafisi is the deputy of the council and Dr. Mohammad Ghanem is the Nuclear Medicine program director of KIMS.

4. Physical Facilities

The teaching facilities available at the Faculty of Medicine and Health Sciences Center are utilized by the members of the department for delivering lectures, seminars, PBLs, clinical skills, and tutorials. In addition, the following physical facilities are used in the Department for teaching and research.

Room	Designation	Usage
445C/D	Chairman Office	Office
445A	Meeting Room	Office/PBL
445B	Secretary Office	Office/PBL
446A	Dr. Jaber Ziada Office	Office
446B	Dr. Issa Loutfi Office	Office
446C	Dr. Ismet Sarikaya Office	Office
447A	Research Assistant Office	Office
447B	Teaching Assistant Office	Office
447D	Chief Technician Office	Office
448	Dr. Saud Alenezi Office	Office
448	Dr. Naheel Alnafisi Office	Office
454	Cell and Radiochemistry Lab	Lab
455	Dr. Fatma Al-Saeedi	Office
456	Radiochemistry Lab	Lab
456A	Dr. Shorouk Dannoon Office	Office
457A	Dr. Mohammad Ghanem Office	Office
457B	Dr. Maryam Alqabandi Office	Office