DOW UNIVERSITY OF HEALTH SCIENCES

ADMISSIONS
SESSION 2025-26

DEPARTMENT OF NUCLEAR MEDICINE & THERANOSTICS

PROSPECTUS
BSMT
(NUCLEAR MEDICINE)
DOW INSTITUTE OF MEDICAL TECHNOLOGY (DIMT)

Email: admissions@duhs.edu.pk

MESSAGE BY THE VICE CHANCELLOR

PROF. DR. NAZLI HOSSAIN
Vice Chancellor
Dow University of Health Sciences

It is a great honor for me, as the Vice Chancellor of Dow University of Health Sciences (DUHS), to welcome you to one of Pakistan's most distinguished institutions of medical and health sciences education.

Since its establishment in 2004, DUHS has evolved from three constituent colleges into a dynamic and comprehensive university system encompassing over fifty constituent and affiliated institutions. Rooted in the proud legacy of Dow Medical College, founded in 1945, DUHS continues to uphold a tradition of excellence, service, and innovation in healthcare education.

Our allied health programs including Pharmacy, Medical Technology, Nursing, Physical Therapy, Biotechnology, Nutrition, Public Health, Radiology Technology, Psychology, and many more, play a vital role in shaping the future of healthcare. These programs are central to our mission of producing competent, compassionate, and skilled professionals who contribute to the well-being of communities locally and globally.

As we move forward, DUHS is committed to further strengthening its academic and research ecosystem through modern technologies, state-of-the-art healthcare facilities, and a culture of innovation. With the support of our dedicated faculty and the enthusiasm of our students, we are poised to advance toward new milestones in education, research, and patient care.

To our incoming students, I extend my heartfelt congratulations on joining this vibrant academic community. Your journey at DUHS will equip you with the knowledge, skills, and values needed to make meaningful contributions to healthcare in Pakistan and beyond.

I welcome you to DUHS, a university where tradition meets innovation and where every student is empowered to make a difference.

Good luck to each of you as you embark on this fulfilling path!

Message from the Director
BS-Medical Technology in Nuclear Medicine

With the blessings of Almighty Allah, department of Dow Institute of Medical Technology is dedicated to provide academic and technical education and produce highly skilled and motivated graduates since its inception in 2006. And now, from 2026 we are proudly introducing Medical technology in Nuclear Medicine.

Nuclear Medicine is at the forefront of diagnosing and treating a variety of diseases, especially cancer, heart disease, and neurological disorders. PET/CT scans, SPECT scans, and other imaging techniques are essential for early detection, making treatments more effective and less invasive. With the rapid advancements in imaging technologies and medical research, the need for professionals with expertise in Nuclear Medicine is growing worldwide.

The Department of Nuclear Medicine and Theranostics at Dow University of Health Sciences (DUHS) is located within the Comprehensive Cancer Center, at Ojha Campus.

It provides a vast range of diagnostic SPECT and PET/CT scans, Nuclear Cardiology, and in/out patient therapeutic services for thyroid, prostate, and neuroendocrine tumors. The department uses Theranostics, an innovative approach in nuclear medicine that combines diagnostic and therapeutic applications of radioisotopes to precisely target and treat diseases like cancer. This includes the use of not only SPECT but also hybrid imaging techniques like PET-CT and other advanced technologies for diagnosis and treatment planning.
We have highly experienced Nuclear Physicians, skilled and trained nuclear medicine technologists and nursing staff. Our team is BLS and ACLS certified. We have weekly academic sessions and rotations of medical postgraduate trainees and internships of undergraduate medical technology students.

Our services focus on providing advanced, patient-centered care for but not limited to cancer, utilizing innovative techniques. The center is equipped with state-of-the-art departments, including Gamma Camera, PET/CT with changing rooms and 3 uptake rooms (2 bed /room), well equipped Cardiac stress laboratory, Radiopharmacy, in-house cyclotron, spacious hot waiting area, proper hot waste store. It is a key component of the Comprehensive Cancer Center, which also includes departments for radiation oncology and medical oncology.

I believe that graduates of Medical Technology in Nuclear Medicine will shine not only in Karachi or Pakistan, but Worldwide.

DUHS VISION

To be a pre-eminent academic institution committed to changing and saving lives.

DUHS MISSION

Providing outstanding patient centered education, training and clinical care informed by cutting edge research and innovation generating and disseminating new knowledge.

VISION OF IMT

To become a Center of excellence in education through research and technical skills in the field of medical technology .

MISSION OF IMT

To provide updated and advanced knowledge to our graduates in the field of Medical technology through learning ,training and practical skills along with critical thinking in multidisciplinary program for the betterment of community.

OVERVIEW

The term 'Allied health Sciences' was popularized during the deliberations that led to the inception of the Allied Health Professions Personnel Training Act in 1967. The passage of this legislation brought about a new and radical concept of unifying all the various disciplines that comprise allied health into academic units with a single administration.'' (Association of Schools of Allied Professionals website www.duhs.edu.pk)

The definition may vary across countries and context, but generally it is considered distinct from Nursing, Medicine and Pharmacy. The Center for Health Profession, California reported that 60 percent of the total health work force comprises of Allied Health Professionals. In Pakistan Allied Health Professionals is also known as Medical Technology that is a vital part of the entire Health Care System. This professional field comprises the challenges and rewards of medicine and surgery, and deals with technical aspect of the same.

INSTITUTE OF MEDICAL TECHNOLOGY

Vision of the Chancellor to develop human resources in Allied Health disciplines transformed into reality in April 2005 with the inception of Dow Institute of Medical Technology (DIMT) in 2006 under the auspicious and dynamic guidance of Late Dr. Syed Sarwat Hassan. The Institute is one of its kinds where Bachelor of Science in four different technologies namely: Clinical Laboratory Sciences, Respiratory and Critical Care Technology, Surgical Technology and Clinical Ophthalmology Technology were started simultaneously. Later on programs for Occupational Therapy, Dental Hygiene and Dental Care Professional were introduced; which was followed by B.S program in Perfusion Sciences. The later three are being offered by their respective Institutes whereas, Perfusion Sciences along with the previous four is still being offered by Institute of Medical Technology.

ABOUT THE PROGRAM

The program focuses on the development of scholarly activities designed to develop and advance competencies in clinical skills, critical thinking, and evidence-based practices. Maintenance and practice of ethical standards as well as development of collaborative perspective toward education and proper management and persistent goal-oriented efforts, are also integral part of the program. The medical technology program at DUHS offers 4-year Bachelor of Sciences degree. During the one and a half years the program comprises of courses in basic medical sciences, communication skills, general education and concerned technical sciences. This is followed by courses in advanced clinical sciences, clinical practices and technical skills. Throughout the program the students are placed in various clinical settings to not only apply the knowledge acquired but also to polish their technical skills. Research is also an integral part of the curriculum and courses in Research Methodology and Biostatics followed by undergraduate research projects is a prerequisite for the successful completion of the program. Upon successful completion of bachelor's program DUHS offers six months of paid internship in the approved affiliated clinical sites.

RECOGNITION BY THE ALLIED HEALTH PROFESSIONAL COUNCIL OF PAKISTAN

Dow Institute of Medical Technology is registered with the allied health regulatory council that is Allied Health Professional Council of Pakistan (AHPC). Our students are actively obtaining licenses for practice from AHPC.

2.0. NUMBER OF SEATS:

Medical Technology in Nuclear Medicine 15 seats.

ELEGIBILTY CRITERIA

- HSSC Pre-Medical or equivalent examination (e.g. A-Level, 12th grade etc) duly certified by IBCC with minimum 60% marks.
- Candidate's PRC & Domicile of Sindh

FEE STRUCTURE
Session 2025-26

Fee Type	**Amount in PKR**
Admission Fee – (at the time of admission)	PKR 45,000/-
Tuition Fee – (per annum)	PKR 150,000/-
Student Activity Charges – (per annum)	PKR 10,000/-
Library Fee Charges – (per annum)	PKR 10,000/-
Documents Verification Charges – (at the time of admission)	PKR 2,500/-
Without Transport	**PKR 217,500/-**
Transport Fee – (Optional) **–** (per annum)	PKR 43,000/-
With Transport	**PKR 260,500/-**

- Above amounts are excluding govt. taxes. Taxes apply as per Govt. & FBR rules.

RULES FOR THE PAYMENT OF FEE

Fee for 2nd, 3rd & 4th year tuition fee (of the respective categories) will have to be paid within the specified time.

Late fee for succeeding years will be charged if fee is not paid within the provided deadline as per rates below:

- First month after lapse of first month 2.5 % …….of tuition fee
- Second month 5.0% ……..……. of tuition fee
- Third month 7% ……...of tuition fee
- Fourth month10%..... of tuition fee

Fee of all categories will be increased by 10% every year.

AFTER FOUR MONTHS OF NON-PAYMENT, THE SEAT IS LIABLE TO BE CANCELLED AND STUDENT WILL NOT BE ALLOWED TO APPEAR IN ANY EXAMINATION.

- Fee deposited is refundable as per the Refund policy guidelines of the DUHS.
- Taxes will be applied as per the FBR/SBR rules.
- Hostel and Transport fee will charge as per calendar year (i.e., Jan. to Dec.).
- Amounts stated in the fee vouchers are excluded of all Bank Charges.
- The Fee Structure may be revised by the university at any time during the course of the study, due to unavoidable circumstances.

All BS Program students are required to submit an **undertaking** affirming that they will not waste their allotted seat.
If a student withdraws from the program or fails to join after securing admission, a **SEAT WASTAGE PENALTY EQUIVALENT TO ONE YEAR'S TUITION FEE** shall be imposed.

LIST OF FACULTIES:

1. Dr. Nosheen Fatima, Professor Nuclear Medicine,
   Head Department of Nuclear Medicine & Theranostics, DUHS.
   Program Director of FCPS Nuclear Medicine, BS-Medical technology in Nuclear Medicine
   MBBS, MS, FCPS (Pak), DCBNC (US), FASNC (US), FEBNM (EU), FRCP (Ed), Fellowship Hybrid PET-Level II (USZ, Switzerland)

2. Dr. Asad Jalil, Senior Medical Officer - Nuclear Medicine,
   Department of Nuclear Medicine & Theranostics, DUHS.
   MBBS, MD (Nuclear Medicine)

3. Ms. Hina Aftab, Chief Nuclear Medicine Technologists, Department of Nuclear Medicine & Theranostics, DUHS.
   BSc. Nuclear Medicine, MBA Human Resource.

4. Ms. Samreen Iqbal Rehmani, Senior Nuclear Medicine Technologist, Department of Nuclear Medicine & Theranostics, DUHS.
   Dip. Card (Nuclear Cardiology), B.S. Nuclear Medicine

5. Mr. Muhammad Zohaib Ansari, Medical Physicist, Department of Nuclear Medicine & Theranostics, DUHS.
   BSc. Physics, MSc Nuclear Physics

CURRICULUM FOR BS-MT-Nuclear Medicine

YEAR 1: SEMESTER I

Subject	Course Codes	Semester-I	Credit Hours
Natural Sciences	CHEM 201/ PHYS 201	CHEMISTRY/ PHYSICS	03 (2-1)
Application Of Information & Comm. Technologies	CSAI 201	COMPUTER SCIENCE AND INTEGRATED ARTIFICIAL INTELLIGENCE IN MEDICAL TECHNOLOGY	03 (2-1)
Functional English	ENG-F 211	ENGLISH FOUNDATION	03
Civilization Courses	ISL 201/ ETHIC 201	ISLAMIAT/ETHICS	02
Interdisciplinary Sciences	ANAT 201	ANATOMY	03
	PIO 201	PHYSIOLOGY	03
Total General Education Courses	**11**		
Interdisciplinary Sciences Course	**06**		
Total Credit Hours in Semester	**17**		

YEAR 1: SEMESTER II

Subject	Course Codes	Semester-II	Credit Hours
Pakistan Studies	PAK-STD 202	PAKISTAN STUDIES	02
Social Sciences	PSY 102	PSYCHOLOGY	02
Arts and Humanities	HIS 102/PHIL 102	HISTORY/PHILOSOPHY	02
Quantitative Reasoning	MATH 212	MATHEMATICS	03
Interdisciplinary Sciences	BCHEM 202	BIOCHEMISTRY	03
	PHARM 202	PHARMACOLOGY	03
Total General Education Courses	**9**		
Interdisciplinary Sciences Course	**06**		
Total Credit Hours in Semester	**15**		

YEAR- 2: SEMESTER III

Subject	Course Codes	Semester-III	Credit Hours
Quantitative Reasoning	BSTAT 323	BIOSTATISTICS	03
Entrepreneurship	ENTP 203	ENTREPRENEURIAL STRATEGY	02
Expository Writing	ENG-W 323	EXPOSITORY WRITING	03
Interdisciplinary Sciences	MICRO 203	MICROBIOLOGY AND INFECTION CONTROL	03
Major Course	NMT-IFNM 203	INTRODUCTION AND FLOW IN NUCLEAR MEDICINE	02
	NMT-NPHY 203	NUCLEAR PHYSICS	02
Total General Education Courses	**08**		
Interdisciplinary Sciences Course	**03**		
Major Course	**04**		
Total Credit Hours in Semester	**15**		

YEAR- 2: SEMESTER IV

Subject	Course Codes	Semester-IV	Credit Hours
Civics and community engagement	CIVCM 204	CIVICS AND COMMUNITY ENGAGEMENT	02
Major Course	NMT-RADB 204	RADIOBIOLOGY	03
	NMT-INST 214	INSTRUMENTATION-I (SPECT) + PRACTICUM	03 (2+1)
	NMT-RMP	RESEARCH METHODS AND PRINCIPLES	03
	NMT-RPD 204	RADIATION PROTECTION AND DOSIMTERY + PRACTICUM	04 (3+1)
Total General Education Courses	**02**		
Major Course	**13**		
Total Credit Hours in Semester	**15**		

YEAR- 3: SEMESTER V

Subject	Course Codes	Semester-V	Credit Hours
Major Course	NMT-RPH 315	RADIOPHARMACEUTICALS-I (SPECT+PET/CT) + PRACTICUM	04 (3+1)
	NMT-NMS 315	NUCLEAR MEDICINE SPECT-I + PRACTICUM	04 (3+1)
	NMT-NCAR 315	NUCLEAR CARDIOLOGY-I + PRACTICUM	04 (3+1)
	NMT-INST 224	INSTRUMENTATION-II (PET/CT) + PRACTICUM	03 (2+1)
	NMT-DEXA 305	DEXA + PRACTICUM	03 (2+1)
Major Course	**18**		
Total Credit Hours in Semester	**18**		

YEAR- 3: SEMESTER VI

Subject	Course Codes	Semester-VI	Credit Hours
Major Course	NMT-RPH 326	RADIOPHARMACEUTICALS-II (Quality Control) + PRACTICUM	04 (3+1)
	NMT-INST 336	INTRUMENTATION –III (RADIOPHARMACY) + PRCTICUM	03 (2+1)
	NMT-NMS 326	NUCLEAR MEDICINE SPECT-II + PRACTICUM	04 (3+1)
	NMT-NCAR 326	NUCLEAR CARDIOLOGY-II + PRACTICUM	04 (3+1)
Major Course	**15**		
Total Credit Hours in Semester	**15**		

YEAR-4: SEMESTER VII

Subject	Course Codes	Semester-VII	Credit Hours
Major Course	NMT-THER 317	THERANOSCTICS-I + PRACTICUM	04 (3+1)
	NMT-HMIS 307	HEALTH MANAGEMENT INFORMATION SYSTEM (HMIS) IN NUCLEAR MEDICINE	02
	NMT-NMPC 307	NUCLEAR MEDICINE PATIENT CARE	02
	NMT-PTCT 317	PET/CT-I + PRACTICUM	04 (3+1)
Field experience/ Internship	NMT-INTE 507	INTERNSHIP	03
Major Course	**12**		
Field experience/ Internship	**03**		
Total Credit Hours in Semester	**15**		

YEAR-4: SEMESTER VIII

Subject	Course Codes	Semester-VIII	Credit Hours
Major Course	NMT-THER 428	THERANOSCTICS-II + PRACTICUM	04 (3+1)
	NMT-RWM 408	RADIOACTIVE WASTE MANAGEMENT	04
	NMT-PTCT 428	PET/CT-II + PRACTICUM	04 (3+1)
Capstone Project	NMT-NM 508	CAPSTONE PROJECT	03
Major Course	**12**		
Capstone Project	**03**		
Total Credit Hours in Semester	**15**		

GRADE/GPA REQUIREMENT FOR EACH SEMESTER & GRADUATION

All courses are continuously assessed during the semester through quiz, assignment, Oral Presentation, Midterm Examination, Post Viva Rotation and Final Examination. Grading is absolute, not relative grading. Percentages are converted in GPA and their respective grades as follows;

GRADE	PERCENTAGE	GPA
A+	80% to 100 %	4.0
A	75%to 79 %	4.0
A-	70%to 74 %	3.7
B+	67%to 69 %	3.3
B	60%to 66 %	3.0
C+	56%to 59 %	2.9
C	50%to 55 %	2.0
F	(< 50 %) Fail below	2

Fractional Grade Point Average will be calculated according to approved rules

ASSESSMENT METHODS

EXAMS EVALUATION	
Terminal Examination – BCQ's	70%
Mid Term Examination – BCQ/MCQ	15%
INTERNAL EVALUATION (*VivaVoce, Presentation, Assignment, Quizzes, Workshops, Attendance)*	15%
CLINICAL PRACTICUM / ROTATIONS	
EXAMS EVALUATION *(conducted by HODs of respective departments)* *VIVA/ SHORT QUESTIONS*	60%
INTERNAL EVALUATION *(Structured VIVA by internal faculty of DIMT)*	40%

ASSESSMENT METHODS (For Online Teaching)

EXAMS EVALUATION	
Terminal Examination – BCQ's	40%
Mid Term Examination – BCQ/MCQ	20%
INTERNAL EVALUATION (*VivaVoce, Presentation, Assignment, Quizzes, Workshops, Attendance)*	40%
CLINICAL PRACTICUM / ROTATIONS	

EXAMS EVALUATION *PROJECTS/PRESENTATIONS/DEMONSTRATIONS/VIVA/VIDEO PRESENTATIONS/CASE STUDIES*	100%

FACILITIES

Introduction

The BS Medical technology in Nuclear Medicine aims to equip students with the essential knowledge and skills to work in the evolving field of nuclear medicine. This field combines aspects of medical science and advanced imaging technology to diagnose and treat diseases, especially cancer and cardiac conditions.

Academic Facilities:

- **Faculty Expertise:** The department already has qualified professionals in Nuclear Medicine Physicians, Nuclear Physics, Radiation Protection program, and Nuclear Medicine Technologists. Additional training for faculty on new developments in Nuclear Medicine can further improve teaching quality.
- **Curriculum Design:** The courses are well designed to provide a balance between theoretical knowledge and practical skills. This ensures that students gain a comprehensive understanding and can apply it in real-world settings.

Logistical Facilities:

- **Classrooms and Laboratories**: Facility is equipped with teaching rooms, research room, in-house and university building library, and auditorium. Hot lab, Cyclotron, Radiochemistry room, QC room, Cardiac lab, stress lab, Theranostics room and imaging systems (e.g., PET/CT, SPECT) are part of the required infrastructure.
- **Timetable:** The courses can be distributed across semesters, allowing for a manageable workload for students while ensuring they gain the required expertise in nuclear medicine over the course of their studies.

Resource Facilities:

- **E-Books and Software:** Key textbooks and resources are available, with specific software for nuclear medicine (such as image processing tools).
- **Technology:** Advanced medical imaging technologies (dual head SPECT Gamma Cameras, PET/CT scanners), nuclear cardiology, and cyclotron are available at the department.

Student Facilities:

- **Prerequisite Knowledge:** The program is designed to accommodate students with a strong foundation in physics, mathematics, and basic biology.
- **Workload:** The curriculum balances theoretical classes with laboratory work to ensure a reasonable workload for students while providing practical experience.

Extra-Curricular Activities

- Annual Sports Week.
- Annual DIMT Picnic.
- Poster Competition
- DUHS Independence Day Celebration.
- Initiated Flood Relief Camp.
- DUHS-DICE Exhibition.
- Community Services
- Green Drive and plantation.

Departmental Highlights

We learn, share, and grow together.

Empowered with knowledge after completing NeuWise Pro PET/CT training on 13 Nov 2024

PNRA inspection completed successfully on 03 Feb 2025 with full protocol verification and approval

Proudly wrapping up NM830 SPECT & Xeleris Workstation Basic Training (GE Healthcare) 30 May 2025

A new chapter begins with our first theranostics treatment on 26 Oct 2025

Enhancing workplace safety with Fire Safety Training

Strengthening lifesaving skills with successful BLS Certification

Enhancing critical care skills with successful ACLS Certification

Knowledge in action-our ongoing weekly academic sessions

Showcasing our team's research contributions:
IAHSRC (19–20 Feb 2025)
E-Poster at 24TH Shaukat Khanum Cancer Symposium
(24 Feb 2025)

Our department proudly hosted its first symposium
"Radiation Safety from a Nuclear Medicine Perspective"
Which turned out to be a great success. It drew a remarkably large number of participants, reflecting strong interest and engagement.

FUTURE PROSPECTS

Scope of Nuclear Medicine:

Global Expansion: Nuclear Medicine is expanding globally, with increased adoption of PET and SPECT imaging in hospitals. The demand for skilled Nuclear Medicine technologists is on the rise.

Diverse Career Opportunities: Graduates can work in hospitals, diagnostic centers, pharmaceutical companies, and research institutions.

Innovations in Cancer and Cardiology Treatment: The use of radiopharmaceuticals in treating cancers (e.g., prostate cancer) and heart diseases is a rapidly growing field. As a result, there is a huge potential for professionals trained in nuclear medicine to contribute to life-saving treatments.

Government Support: Public healthcare institutions in Pakistan, especially through the Pakistan Atomic Energy Commission (PAEC), are actively investing in Nuclear Medicine. These efforts aim to improve diagnostic services and enhance local production of radiopharmaceuticals. As a result, job opportunities are gradually increasing in Nuclear Medicine departments across public hospitals and research centers.

International Demand: **Global Shortage of Nuclear Medicine Specialists**: There is a global shortage of trained professionals in Nuclear Medicine, especially in countries with developed healthcare systems like the United States, Canada, and Europe. International organizations like the **IAEA** (International Atomic Energy Agency) and **WHO** are actively involved in improving Nuclear Medicine accessibility worldwide.

Research and Innovation: Nuclear medicine professionals are in high demand for research roles, contributing to developing new radiotracers and therapeutic agents.
Pharmaceutical and biomedical companies worldwide are continuously looking for experts to develop new treatments and machines / equipment for Nuclear Medicine.

Research and Development at Nuclear Medicine and Theranostics 2025.

1. CME **symposium** "Radiation Safety from a Nuclear Medicine Perspective" held on 2 August 2025 at Ojha Campus Dow University of Health Sciences.
2. **Invited talks and panelist**

i. Invited talk "Assessing response to immunotherapy-Role of FDG PET/CT: A clinical perspective" in 24th Shaukat Khanum Cancer Symposium (SKCS) held on 24-26th October **2025** at PC hotel Lahore.

ii. Invited talk "Diagnostic and therapeutic role of Nuclear Medicine in management of thyroid nodule" in a CME workshop held by ENT department DUHS on 9th October **2025**.

iii. Panelist in breast cancer symposium held by Dow Institute of Radiology DUHS on 9th October **2025.**

iv. Invited Talk "Radiation perception from Physician Perspective" in CME symposium on Radiation safety from a Nuclear Medicine Perspectives" held on 2 August **2025** at Ojha Campus Dow University of Health Sciences.

v. Facilitator of scenario based panel discussion in CME symposium on Radiation safety from a Nuclear Medicine Perspectives" held on 2 August **2025** at Ojha Campus Dow University of Health Sciences.

vi. Invited talk "Advancement in Nuclear Cardiology: Bridging basics and breakthrough" in 9th annual Dr. Abdul Haque Khan Symposium held at Karachi Institute of Heart Diseases (KIHD) on 22 February **2025.**

3. Department Paper presentation on international/national forum;

1. **Oral:** 10 Annual conference of Pakistan Society of Nuclear Medicine 31 Oct-2 Nov 2025 Nishat Hotel Lahore.
2. **Poster:** Shaukat Khanum Cancer Symposium (SKCS) held on 24-26th October **2025** at PC hotel Lahore.
2. **E-poster:** Integrating 18FDG-PET/CT Biomarkers and Tumor Biology in Breast Cancer Prognosis. 38th Annual European Association Nuclear Medicine Congress in Barcelona **Spain** from 4-8 October **2025.**
3. **Poster:** Pilot project: The Impact of Paperless Integration in Dow Nuclear Medicine and Theranostics in International Allied Health Sciences Research Conference, held on 19-20th February **2025** at Dow Institute of Medical Technology DUHS.
4. **EP**: Ki-67 markers in Breast cancer survival in Nuclear Medicine Update 7-8th February **2025** Singapore General Hospital.
5. **Best paper award.** Tumor markers and SUVmax in cancer survival. '**2025 SNMMI Mid-Winter & ACNM Annual Meeting on 30th January 2025 Anaheim, California.**

4. Department Publications in 2025

1. **Fatima N,** et al. Role of 18FDG PET/CT in Detecting Primary Tumors in Patients with Carcinoma of Unknown Primary: Single-Center Cross-Sectional Study from 2017 to 2023 (Extension Study). World J Nuclear Med **2025**; 24:57–63.

2. Zaman M, **Fatima N**. Immunotherapy: Imaging Challenges and Advances in Response Assessment. **JCPSP 2025**, Vol. 35(11):1365-1367.
3. **Fatima N**. The Evolution of Nuclear Medicine from Unclear to 'Precision' Medicine. **JCPSP 2025**, Vol. 35(08):945-946
4. Zaman M, **Fatima N**. RADIOLOGY TRAINING IN THE ERA OF AI: LET S EMBRACE THE FUTURE WITH CAUTION AND VISION. PJR April-June **2025**; 35(2): V-VII.
5. Zaman M, **Fatima N**. Role of PET/CT Imaging Thyroid Cancers. JCPSP **2025**, Vol. 35(02):139-140.
6. Zaman M, **Fatima N**, et al. ARE WE READY TO EMBRACE AI IN DIAGNOSTIC IMAGING? PJR **2025**; 35(1):V-VI