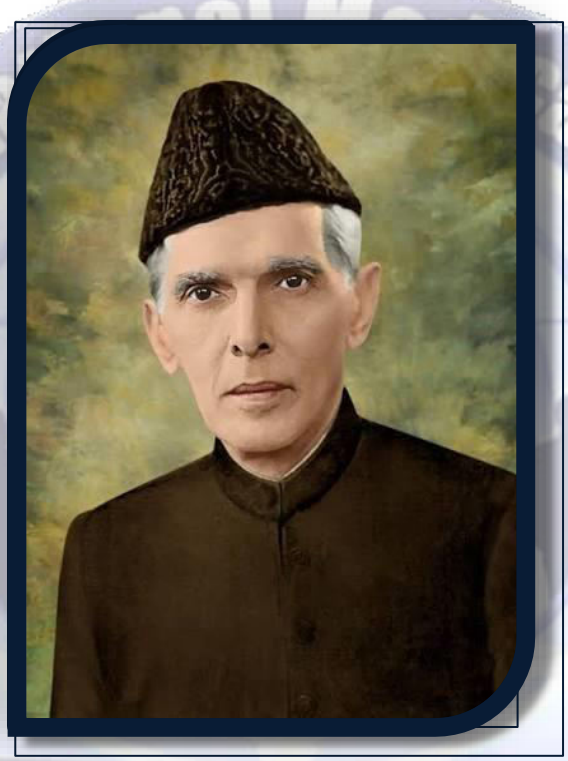
Liaquat National Hospital & Medical College

Institute For Undergraduate and Postgraduate MedicalStudies and HealthSciences

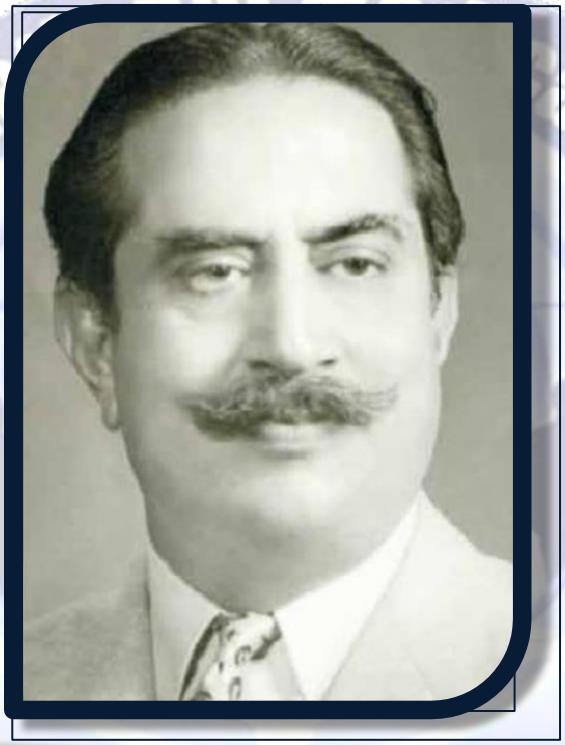
PROSPECTUS 2026-27

MBBS Program



Founder of The Nation
Quaid-E-Azam Muhammad
Ali Jinnah

First Prime Minister of Pakistan
Shaheed-E-Millat
Liaquat Ali Khan



Founder of Liaquat National Hospital
Late Syed Wajid Ali Shah

Liaquat National Medical College

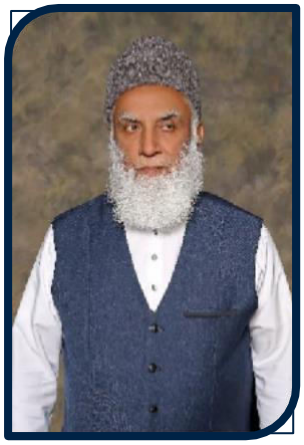
Prospectus - 2026

The LNMC Logo

- The image of the man in the center is based on the famous classic image of the Vitruvian Man drawn by Leonardo da Vinci.
- The image depicts our graduates whom we perceive to spread light of knowledge and tend to the suffering community with compassion.
- This classic depiction of a human being is combined with a graphic representation of a chromosome representing the latest medical research in Genetics on which most of all future healthcare's will be based.
- A book is also shown towards the bottom as a symbol and source of knowledge, teaching and learning.
- The globe and the overall blue color show universality of the science of healing and healthcare.
- The human silhouettes represent the community under the protective arms of our graduates.

Content

01	Principal's Message
03	Living in Karachi
05	Liaquat National Medical College
14	Curriculum and Examination
18	MBBS Admission Policy for Session 2026-27
21	Photo Gallery
25	Basic Science, Clinical Department & Administration
79	Faculty List
85	Liaquat National Hospital
90	Recognized Postgraduate Training Programme at LNH
93	Extra-Curricular Activities
98	LNMC Alumni Association



Principal's Message

Prof. Dr. Karim Ullah Makki

HOD | Department of Internal Medicine,
Principal - LNMC

"Liaquat National Medical College is one of the best Medical College of Pakistan (as graded "A" category by PM&DC) & is it the first choice of students of Sindh. Every year. Our 100 seats are filled by the first 200 meritorious students. The first student who applied for admission in our Medical College (during 2025 – 2026) his aggregate percentage was 86.79%.

We have the largest faculty in basic & clinical side (more then 185) in whole Pakistan in private sector & they are the best qualified and most experienced teachers. Liaquat National Hospital which is attached with Liaquat National Medical College is the largest & best teaching Hospital of the country. Several new faculty members have joined LNMC in the Basic as well as in the Clinical subjects during the last year. The Research and skills Development Centre has been upgraded by providing state of the art mannequins & Computerized Digital Anatomy table (with multipurpose utility for basic & clinical subjects) for the benefit of students and young doctors.

We have very strong mentorship program, where mentees can meet their mentors and share their, academic, social and other problems & get valuable advices.

We enhance our student's capabilities by engaging them in extracurricular activities. Besides achieving high grades, our students have also been taking part in inter collegiate Sports Tournaments, Debates, Research, Art & Culture, and Music & Social work. Their devotion and unrelenting pursuit of excellence are the valuable tools that helps them to stay focused and driven. This year the best research poster award winner is Ammar Samiullah in International Student Research Conference in AKU & also 1st & 2nd research award winner is Mustafa Chawla & Hassam Abdul Rehman & their Teams in DUHS.

Hard work seems purposeless without awards and rewards so number of Annual Academic Merit Awards; need base scholarships, kinship scholarships and other awards and certificates for extra – curricular activities are in place.

The Best Graduate (Syed Wajid Ali Shah medal, best overall Academic performance over five years) award was given to Dr. Aliyan along with a cash award of Rs.400000/-. Dr. Farhana Riaz was awarded the merit award for the 1st position in final year MBBS with a cash prize of Rs.250000/-. Dr. Alina Karam received the merit award for 2nd position with a cash prize of Rs.200000/-, while Dr. Aliyan received the merit award for 3rd position with a cash prize of Rs.150000/-

The most exciting award of Principal's Medal & Medical Director's Medal were awarded to Dr. Uswah Imran & Dr. Muhammad Nayeli Khalili as overall best female & best male students respectively. In the memory of late Principal & Dean LNMC Prof. Amir Ali Shoro, Medal was awarded to Dr. Ishrat Ghani for best academic achievement in first two years.

To appreciate our alumni's success, Best Alumnus Medal was awarded to Dr. Syed Ijlal Ahmed of class of 2017.

Living In Karachi

Karachi is Pakistan's largest city, industrial & financial hub. It has maintained its status as the cultural, intellectual and commercial epicenter of the country since independence.

THE CITY

The city of lights, once a small fishing village along the Arabian Sea coast has experienced an unparalleled growth over the past six decades. Because of its geographic location and enormous potential for economic growth and development, it continues to attract immigrants from all over the country and can truly be called a metropolitan city. In the recent past it has developed rapidly and new projects have been initiated to ease the traffic congestion and make major routes signal free with the construction of overhead bridges and underpasses.

SHOPPING

There are large shopping precincts spread all over the city which is famous for its bazaars. The collections of products on the shelves of its shops from within and outside the country make it a most delightful place to shop in. Modern malls and shopping centers are springing up fast and are making shopping a pleasurable exercise.

AFFORDABLE HOUSING AND GOOD EDUCATIONAL INSTITUTES

Numerous high rise apartment complexes and great old houses along with a number of developments means there is something here for everyone. The city also has a number of educational institutions that are recognized nationally and globally.

ENTERTAINMENT

Karachi has always remained foremost in providing entertainment that suits all tastes and ages. The city is home to a number of renowned personalities of the entertainment world who have revived the theatre, while the famous cinemas of the city are also experiencing resurgence. The city and its vicinity has a pool of diversified places to choose from such as parks, pools, waterfronts, beaches, farmhouses and amusement parks etc.

MUSEUMS AND GALLERIES

The National Museum displays exhibits from more than 5000 BC, and has always attracted an enormous amount of interest. The history of the city was depicted in the exhibits at Mohatta Palace, a place of historical significance that holds art and culture exhibitions. The city also boasts of numerous art galleries which exhibit famous works of past and present masters.

SPORTS

For the enthusiasts, the city offers facilities of a range above and beyond any other place in the country. From the more conventional sports like cricket, field hockey, football, golf and squash to snorkeling, scuba diving and sea angling there are opportunities to suit every interest. The city also has Marina and Yacht clubs and excellently planned and landscaped Golf Clubs with facilities for night golf.

EATING PLACES

There are many five star hotels, swank restaurants, specialist eating places such as Boating Basin, Bukhari and Zamzama etc. as well as franchised chain restaurants catering to all tastes and pockets in Karachi.

PHOTO GALLERY KARACHI

Liaquat National Medical College

Liaquat National Medical College

At Liaquat National Medical College (LNMC) we offer you an unparalleled learning experience in healthcare coupled with a resolve to create professionals that would carry the torch forward and make us proud.

Liaquat National Medical College (LNMC) is on a continuous quest for excellence in education, research, clinical practice, training and community services.

OUR VISION

Liaquat National Medical College (LNMC) will be a national and international center of excellence in healthcare, education, research and community development.

OUR MISSION

To offer an unparalleled learning experience in health sciences with a resolve to produce ethical and dedicated professionals who will deliver evidence based quality healthcare globally, and produce a visible impact on the health of the community.

RECOGNITION

Our five year MBBS course is recognized by PMDC.

AFFILIATION

Liaquat National Medical College (LNMC) has been affiliated with the Jinnah Sindh Medical University since 2015 and is allowed to impart training to 100 students each year for MBBS degree. Our students are being trained annually in modular based system.

REGISTRATION WITH FOREIGN BODIES

The Medical College is registered with:

1. Education Commission for Foreign Medical Graduates (ECFMG) USA.
2. Foundation for Advancement of International Medical Education and Research (FAIMER).
3. International Medical Education Directory (IMED).
4. Avicenna (WHO) Directory.
5. General Medical Council (GMC) U.K.
6. Canadian Resident Matching Service (CaRMS).
7. Health Professional Council of South Africa (HPCSA).
8. Australian Medical Council (AMC).
9. Association of American Medical Colleges (AAMC).
10. The Talloires Network.

WE AT LNMC ARE COMMITTED TO

- Ensure a curriculum, meeting international requirements.
- Address global, national and provincial healthcare needs and incorporate same in teaching.
- To promote research in Biomedical Sciences, Healthcare and Medical Education, and utilize the findings for betterment of patients, services and curriculum.
- To develop ethical, dedicated and compassionate leaders, who are respectful and responsive to patients and community's needs and values.
- To produce competent professionals who deliver healthcare services of highest quality and demonstrate effective communication in the professional practice.
- Produce professionals competent in the use of digital technology for learning and patient care.
- To provide an environment that encourages student's engagement in sports, cultural and social services for the development of caring, critical thinking and well-rounded personalities.

FACULTY OF LNMC

The institute has highly qualified and experienced faculty in basic and clinical sciences lead by our esteemed Principal Prof. K.U. Makki who has a teaching experience of over 40 years and has been Chairman Department of Medicine Dow University of Health Sciences and is currently Head of Department of Medicine at LNH.

A large percentage of faculty members have been trained in USA & UK and are keen to make their contributions to the development of young professionals who would be the leaders of the future.

Program Outcomes Of LNMC

PROGRAM OUTCOMES OF LNMC

By the end of the five-year MBBS program, all medical graduates will be able to:

1. Integrate clinical, biomedical, and legal sciences to effectively diagnose and manage common clinical conditions and medico legal issues across diverse healthcare settings.
2. Develop plans for patient care that reflect patients' needs and values
3. Practice evidence based clinical decision making and recognize the need for effective timely referral
4. Perform common clinical procedures safely
5. Practice preventive healthcare and health promotion
6. Maintain patient safety in all healthcare settings
7. Communicate effectively with patients, their families and members of healthcare team
8. Work effectively as a member of the healthcare teams
9. Demonstrate professional and ethical behavior in discharging professional responsibilities
10. Conduct scientific research to generate new knowledge
11. Demonstrate leadership skills in professional practice
12. Engage in continuous professional development

Central Amenities at LNMC

LIBRARY

The library has undergone significant expansion and is housed within the Medical College. At LNH&MC, a collection of more than 3,000 medical electronic books and over 9098 textbooks in print format are available, covering basic and clinical subjects, with annual additions. The LNMC library is adequately staffed and is open from 8:30 AM to 10:00 PM from Monday to Saturday, while on Sunday, the library hours are from 10:00 AM to 6:00 PM.

LEARNING RESOURCE CENTRE

A Learning Resource Centre has been created within the library. It is fully computerized and equipped with internet-enabled workstations to facilitate web-based learning. Access to networked computers is available to users (students and faculty) of this facility. It is linked to the HEC Digital Library, providing access to a large number of medical journals. There is an extensive collection of audiovisual material to augment learning in various basic and clinical sciences. The lectures conducted by the faculty are maintained by the library and are available upon request.

Teaching aids such as Moodle are also utilized to implement e-learning. Additionally, students and faculty have Wi-Fi access on their phones and laptops.

Virtual Learning Lab: Revolutionizing Medical Learning

Liaquat National Medical College has taken a pioneering step toward modernizing medical education with the inauguration of its Virtual Learning Lab, a state-of-the-art facility designed to bring the most advanced, real-human-based 3D anatomy and medical education system to its students and faculty.

This Digital table features digitized human cadavers, superior medical learning tools, and immersive 3D anatomy experiences, revolutionizing the way anatomy and medical sciences are taught and learned. By incorporating the Virtual learning lab, Liaquat National Medical College continues its tradition of academic excellence and innovation, enhancing learning outcomes, and reaffirming its leadership in technologically advanced medical education. This digital table offers ultra-high-definition, life-size visualizations of human anatomy, physiology, pathology, radiology and much more, allowing students to explore detailed anatomical structures.

ACADEMIC COUNCIL COMPLEX

This complex has a large auditorium, several lecture theatres and a Hospitality Suite which are fully equipped with latest audiovisual facilities. The academic council complex also houses the Department of HealthCare Education (DHCE) to meet the changing need of the profession and ensure provision of quality education.

TEACHING FACILITIES

The Link Building has six Tutorial Rooms with computers and multimedia projectors and houses faculty offices. The old block houses five air-conditioned lecture halls equipped with all requisite audio visual aids and also has multiple air-conditioned labs, dissection hall, VLL and museums. The labs, museum and dissection hall are all as per PMDC requirement and furnished with latest equipment's and have updated manuals and safety mechanisms in place.

BOOK SHOP

A book shop with a wide range of text and reference medical books of all disciplines of medicine is available within the premises of the Medical College. The book shop has all necessary stationery; equipment's and Photostat facility for the students.

STUDENT CAFETERIA

A Cafeteria is located in the Centre of the campus on the ground floor of link building of the medical college, allowing easy access to faculty, staff and students. It provides healthy and tempting meals for visitors. A full lunch menu is also available at very subsidized rates. A new state of the art Cafeteria (Cafe Sukoon) is also functional to cater for Faculty, Staff, and Students & Visitors. Baithak another open air cafeteria that serves hot & cold beverages and snacks in a sophisticated ambiance is also present.

HOSTEL FACILITIES

Limited accommodation (subject to the availability of seats) is available on the premises for both male and female medical students from out of Karachi. Accommodation is provided on first come first facilitated bases.

TRANSPORT FACILITIES

The college has also arranged for transport facilities for students which ensure that they safely reach college on time.

Students Support Service

LNMC ADMINISTRATION

This office deals with a wide range of issues pertaining to a student's life at the campus such as coordinating admissions, attendance, evaluations, accommodation, financial matters, research and extra-curricular activities etc.

CAREER ADVISORY SERVICES

We at LNMC regard career building as an important responsibility. In addition to individual counseling the advisory service holds seminars and workshops to increase general awareness of the professional pathways available. It is extremely important that the students become fully aware of future prospects and career pathways. Unless the students possess the awareness and make timely decisions a great deal of time is wasted and the community loses the services of a talented professional.

MENTORSHIP

The Senior Faculty members of Liaquat National Hospital & Medical College (LNH&MC) are each assigned a small group of medical students for mentorship and counseling. The office hours indicating availability of faculty is provided to students who can meet or contact on phone or through e-mail in order to discuss any academic as well as non-academic or personal matters with their mentors. All mentors have been assigned 3 to 5 students.

Mentors are required to meet with the students and send their reports to the Principal on a regular basis. Senior faculty of the medical college and hospital also mentors for extra-curricular activities and head student's Societies.

In addition to the mentors, the student is free to visit any faculty that they need help from. Junior faculty is often assigned to coach one to one weak students. Demonstrators and lecturers are also available to help them in small groups and lab sessions and they remain in close contact with the students to ensure smooth execution of teaching process.

CAREER FAIR

Regular career fairs are held to apprise students of possible career pathways in clinical and basic fields besides research, public health, pharmaceutical & insurance industry etc. Renowned personalities in respective fields are invited to provide career counseling to students. Students are also subsequently given opportunities to meet with the best in the field professionals and obtain career guidance on one to one basis.

SKILLS DEVELOPMENT CENTRE

Liaquat National Hospital has been taking a lead on national level in providing certifiable clinical and resuscitation skills training for almost fifteen years.

The department comprises of latest training equipment's as per international standards and has a trained certified dedicated team. The department has instrument rooms, interactive models and simulators. The participants are certified only after successfully getting through their assessments. This is a state of the art "ISO" certified department and runs its AHA certified BLS and ACLS courses.

RESEARCH

LNMC students are taught research & facilitated in conduct of research they develop protocols which are reviewed by faculty. All the protocols are then assessed by research committees, which comprises of Chairperson and 8 – 10 members. The research committee has developed its own guidelines for submission of research projects meeting the international Helsinki Guidelines. Once the research protocol along with the budget & time line is approved then it is referred to ethical review for final approval. Research committee encourages students & faculty to participate in national or international conferences and submit articles to international & national journals. Additionally the college also has a research society which holds lectures and research expo. To date our Medical students have published multiple papers in local and international journals as well as read papers both locally as well as internationally.

STUDENTS' JOURNAL CLUB

Liaquat National Medical College (LNMC) takes pride in developing a vibrant research culture and critical thinking among its students. As part of this vision, the **LNMC Research Society** conducts a regular session **Students' Journal Club** which is a unique academic platform designed to inspire curiosity, enhance research skills, and promote evidence-based learning. Conducted weekly for 2nd to Final Year MBBS students, the sessions are led by Chairperson of the Research Society, facilitated by **Journal Club year coordinators, moderated by students**, and **judged by faculty members.**

Students actively select, present, and discuss recent scientific articles, and receive certificates of Appreciation for presentation, best question, and best reply. At the end of each academic year, every batch is recognized with a Best Presenting Group Certificate, celebrating teamwork and scholarly excellence. This initiative not only strengthens students' ability to critically review scientific literature but also cultivates lifelong habits of inquiry, reflection, and research-oriented clinical practice.

Awards & Scholarships

1. MERIT SCHOLARSHIP:

Students securing high marks in first fourth professional MBBS examination of university are awarded cash award as per policy according to following scheme:

i. For First Position Rs. 125,000/-
ii. For Second Position Rs. 100,000/-
iii. For Third Position Rs. 75,000/-

Students securing highest marks in final professional MBBS examination are awarded cash award as per policy according to following scheme:

i. For overall best Graduate Rs 400,000/-
ii. For First Position Rs. 250,000/-
iii. For Second Position Rs. 200,000/-
iv. For Third Position Rs. 150,000/-

2. NEED BASED SCHOLARSHIP:

Liaquat National Medical College (LNMC) awards Need Based Scholarship every year to deserving students.

PROCEDURE FOR APPLYING NEED BASED SCHOLARSHIP:

- Need Based Scholarship is announced every year for all students thorough a circular disseminated via email and displayed on noticed boards
- Students of all classes are required to submit his/her application in prescribed format within a period of one month from the announcement date.
- Deserving students can apply each year for Need Based scholarship.
- The decision on numbers and amount of scholarship per class is made by a committee comprising of competent authority of LNH&MC considering the financial needs of students and their decision is final.
- The process is concluded after the evaluation of all applications received from the students and interview process of candidates.
- Finally, the allocated amount is communicated to the students via official letter from the competent authority by stating amount and class in which a student gets scholarship.
- The student needs to perform satisfactorily in academics and maintain discipline else the scholarship maybe withdrawn.

MEDALS

- Wajid Ali Gold Medal for overall best Graduate
- Dean's Medal (for best all round performance – Female Graduate)
- MD's Medal (for best all round performance – Male Graduate)

2. KINSHIP SCHOLARSHIP DISCOUNT IN TUITION FEE:

For siblings of existing students, faculty & staff.

3. OTHER AWARDS /CERTIFICATES:

Awarded to the Best Debater, Best Poster Presentation, Best Athlete, Best Singer and Best Actor. Certificates are given to the students obtaining distinctions in different disciplines and activities.

Curriculum and Examination

COURSE OF STUDIES

Five Year Of Modular System

<table>
<tr><th>Spiral & Year</th><th colspan="4">Modules</th><th>Longitudinal courses</th></tr>
<tr><td rowspan="2">First Spiral First Year</td><td>Study Skills</td><td>Foundation - 1</td><td colspan="2">Blood, Inflammation & Neoplasia</td><td rowspan="15">Leadership, Ethics and Professionalism

Communication Skills

Patient Safety

Research</td></tr>
<tr><td>Islamiat</td><td>Locomotor - 1</td><td>Respiratory – 1</td><td>Cardiovascular - 1</td></tr>
<tr><th>Spiral & Year</th><th colspan="4">Modules</th></tr>
<tr><td rowspan="2">First Spiral Second Year</td><td colspan="2">Neurosciences</td><td>Head & Neck</td><td>Endocrinology – 1</td></tr>
<tr><td>Pakistan Studies</td><td>GIT & Liver– 1</td><td>Renal & Excretory - 1</td><td>Reproductive - 1</td></tr>
<tr><th>Spiral & Year</th><th colspan="4">Modules</th></tr>
<tr><td rowspan="2">Second Spiral Third Year</td><td>Foundation – 2</td><td>Blood – 2</td><td colspan="2">Locomotor - 2</td></tr>
<tr><td>Respiratory – 2</td><td>Cardiovascular - 2</td><td colspan="2">GIT & Liver - 2</td></tr>
<tr><th>Spiral & Year</th><th colspan="4">Modules</th></tr>
<tr><td rowspan="2">Second Spiral Fourth Year</td><td>ENT</td><td>Neurosciences – 2</td><td>Endocrinology – 2</td><td>Reproductive – 2</td></tr>
<tr><td>EYE</td><td>Urinary – 2</td><td>Dermatology</td><td>Orthopedics & Rehabilitation</td></tr>
<tr><th>Spiral & Year</th><th colspan="4">Modules</th></tr>
<tr><td rowspan="2">Third Spiral Final Year</td><td colspan="4">Medicine & Allied
Psychiatry
Pediatrics</td></tr>
<tr><td colspan="4">Surgery & Allied
Gynecology & Obstetrics</td></tr>
</table>

CURRICULUM

Liaquat National Medical College has implemented integrated Spiral Curriculum that ensures alignment with the guidelines of the Jinnah Sindh Medical University and PM&DC. In Spiral Curriculum, students have opportunities to revisit segments of learning throughout their five years of education. Student learning begins with fundamental concepts and with progression to each new phase students build new concepts with increasing complexities based on previous learning.

This helps student to make links between concepts and application of knowledge with understanding. In this curriculum, students learn through modules which integrate basic sciences knowledge to clinical problems. For example, Cardiovascular system is introduced in MBBS first year and revisited in MBBS third year.

The focus of MBBS first and second year is more on normal and abnormal structures and functions of the cardiovascular system, while in the later years it focuses on common clinical presentations along with diagnosis, relevant investigations, and prevention of diseases. Exposure to clinics and hospital wards is also embedded in modular teaching.

For MBBS First year, a structured Study Skills course is offered for students to cope with academic stress encountered in medical studies. Longitudinal courses on research, communication skills, patient safety, professionalism and ethics are also integrated in the spiral curriculum. In addition, Islamiat and Pakistan studies are part of the curriculum.

TEACHING/ LEARNING METHODOLOGIES

- Interactive Lectures
- Case- Based Learning
- Team- based learning
- Tutorials
- Practicals
- E-Learning
- Simulation based learning
- Clinical learning experience including wards, ambulatory care, operation theatre and community out-reach centers.
- Field Visits
- Self-directed learning

MOODLE (Learning management System)

MOODLE serves as a centralized learning platform to support and enhance the educational experience of students. It provides access to lectures, assessments, and other learning resources. It enables students to access learning content anytime and from anywhere, and support the effective monitoring of academic progress. LNH&MC has developed modular study guides to help students plan their studies in accordance with the objectives and teaching activities that are also uploaded on MOODLE.

ASSESSMENT

LNH&MC is affiliated with the JSMU which conducts the MBBS annual & Retake Professional examinations for all five years of education. In addition, medical students will be assessed continuously throughout the year by multiple methods such as, class tests, assignments and module exams. These methods will cover both theory and clinical skills assessment through one best type MCQs and Objective Structured Practical or Clinical Examinations (OSPE/OSCE).

The JSMU Annual examination carries 80%weightage while the internal evaluation carries 20% marks in JSMU examination. LNMC is responsible for internal evaluation of MBBS students.

JSMU GRADING SYSTEM

- Based on GPA – 4 system
- A candidate obtaining GPA less than 2.00 (50%) is declared un-graded (fail).

RETAKE EXAMINATION

- JSMU conducts Retake examination for students failing annual examinations.

MBBS Admission Policy for Session 2026 - 27

MBBS Admission Policy For Session 2026 – 27 (Class of 2032)

LNMC will open admission portal for MBBS Session 2026-27 after the announcement of MDCAT results.

ADMISSION ON LOCAL SEATS:

As per PMDC Act 2022, Admission Regulations 2025, for admission at Liaquat National Medical College, a candidate must have:

- Passed the MDCAT examination as per PMDC requirement
- Obtained a Higher Secondary School certificate qualification ("HSSC") or an equivalent 12th grade qualification recognized in Pakistan and having obtained a minimum of sixty percent **(60%)** marks therein, or a higher percentage as may be notified by the Pakistan Medical and Dental Council; and
- Passed the mandatory subjects of biology and chemistry. The student may opt to qualify either physics or mathematics in the examination of the Higher Secondary School Certificate or an equivalent 12th grade qualification recognized in Pakistan.
- **Students are required to appear for and successfully clear the interview.**
- Proficiency in English language, both written and verbal is required.

ADMISSION ON OVERSEAS PAKISTANIS / DUAL NATIONALS (EXPATRIATES) and FOREIGN QUOTA SEATS:

As per PMDC Act 2022 and Admission Regulations 2025, the student admitted against foreign / Dual National /overseas Pakistani quota shall have to fulfill the following admission criteria:

- No candidate shall be eligible for Self-Finance / Overseas / Dual Nationals [Expatriates) quota seats in the private medical institutions unless, he holds a permanent foreign nationality or is an overseas (being a Pakistani citizen permanently resident in a foreign country) Pakistani, Green Card Holder, Iqama Holder, Maple Card Holder and who has studied and passed Intermediate / FSc / HSSC 12th grade examination or equivalent from within or outside Pakistan, accompanied by an equivalence certificate issued by the Inter Board Committee of Chairmen (IBCC). Chemistry and Biology are mandatory subjects, and applicants must have secured at least **60%** marks in their intermediate or equivalent qualification.
- The mandatory requirement of MDCAT shall not apply to students seeking admission on a special program seat predefined exclusively for foreign students and on the seats reserved for overseas Pakistanis. Such students shall qualify **SAT-II** with minimum score of **550** in each subject or a foreign MCAT examination or UCAT examination with **50%** marks in the subjects mentioned above.
- Provided further that a student admitted on a foreign seat shall pay the fee as a foreign student regardless of any change in status of such student during the program of study. A foreign student shall pay the prescribed fee in foreign exchange only.
- Students admitted under this quota must complete their entire period of study within the same quota / category.
- **Students are required to appear for and successfully clear the interview.**
- Be proficient in English language, both written and verbal.

THE STRUCTURE OF AN INTERVIEW

With regards to the structure of interview, the interview process shall entail filling of a general questionnaire where questions shall be asked with regards to the students, his / her interest, aspirations, self-assessment etc. Subsequently, the students shall be meeting our panel of faculty members who shall further interview the candidates and gauge:

- Aptitude
- Communication skills
- Logical / analytical thinking
- Problem solving / decision making
- Leadership & Team building skills
- Personal attributes important to being a doctor e.g. empathy, compassion, social work
- Character assessment to determine whether a team player, has leadership qualities etc.

ADMISSION PROCESS

- The admission process shall be conducted through an online admission portal.
- Applicant shall pay the Application Registration Fee (**Rs.2,000**) as per PMDC policy by printing voucher from the portal, depositing payment in bank and uploading the receipt in the portal.
- Only applications which have been submitted in time and have uploaded supporting documents and shortlisted shall be called for an interview.
- A student when accepting admission to our college shall be under an obligation to disclose if a prior admission has been accepted by him/her to any other college, and such student shall prior to accepting such latter admission must in writing inform the prior college of cancellation of their acceptance with a copy to the designated email to PMDC & LNMC.
- If any student declines admission offer or does not pay fee by voucher due date, next applicant on the merit list will be offered admission against such seat.
- The final list of admitted students shall be submitted to PMDC through PMDC Online Portal.

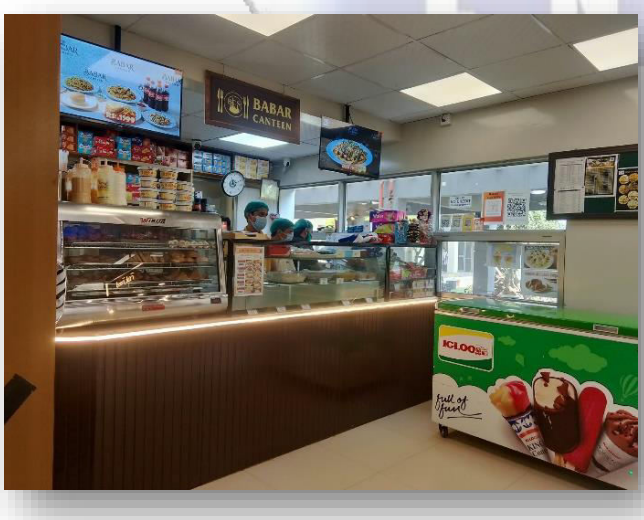
Liaquat National Medical College

Photo Gallery

Liaquat National Medical College

Liaquat National Medical College

Liaquat National Medical College



Basic Science, Clinical Departments & Administration

COLLEGE ADMINISTRATION

ADMINISTRATION

The LNMC administration plays an active role in smooth conduct of day to day activities of the medical college through its various sections.

The Student's Affairs Section of LNMC through its various sub sections, undertakes different functions. One section facilitates student's enrolment with the Universities and PMDC. Collection of examinations forms, admit cards, Marks Sheets and Degrees from Universities and their timely distribution. Compilation of attendance, preparation and issuance of different certificates / letters as and when required by students and foreign bodies.

Another section is involved in disseminating time table, circulars, notices related to classes and ward rotations, examination and electives and making necessary arrangements for the same.

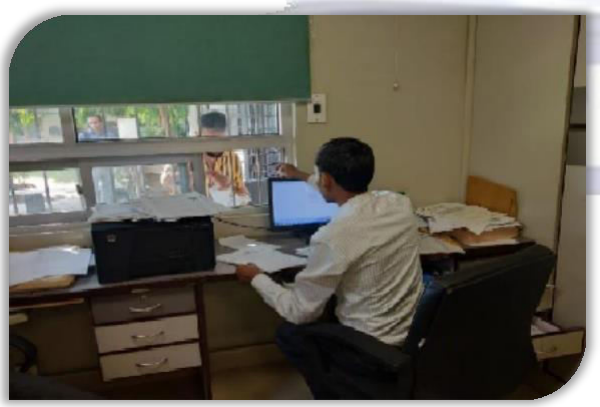
The third session of student's affairs is involved in external linkage with other global medical institutions as regards to verification of academic record of graduates / students and arranges Webinars with global bodies. The section has close professional relations with ECFMG, USMLE, GMC, IMED, CaRMS, AMC, HPCSA and FAIMAR.

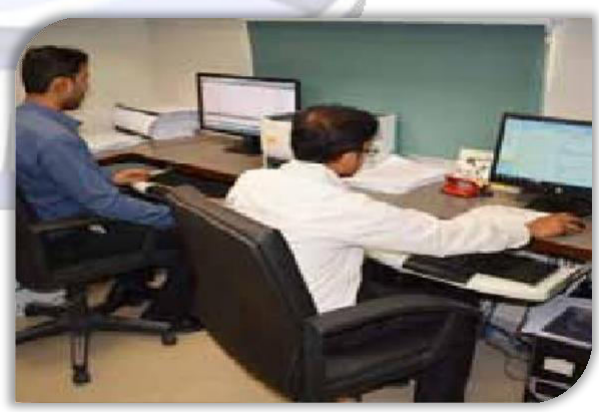
Administration Section of LNMC is involved in arrangement of events such as Admissions, Convocation, students Co-curricular and extra-curricular activities etc. It looks after, maintenanceof building / furniture fixture and monitoring / surveillance of premises.

Finance Section is involved in facilitating students and their parents in submission of college fees; it invites and compiles application for grant of different scholarships to students. And reviews budgetary needs of LNMC.

Human Resource Section monitors the faculty and staffing needs of the LNMC and facilitates in day to day HR matters.

IT section at LNMC is the back bone of administration; it is responsible for creating a paperless environment and developing different softwares.





ANATOMY

INTRODUCTION

Anatomy is the cornerstone of medical education, forming the basis for understanding the structure and function of the human body. Established in 2006, the Department of Anatomy has been an integral part of Liaquat National Medical College since its inception. The department delivers a comprehensive, integrated undergraduate medical curriculum of Jinnah Sindh Medical University (JSMU) and also supports various allied health programs. With a strong focus on academic excellence, innovation, and hands-on learning, the Department of Anatomy plays a pivotal role in shaping competent and compassionate future health professionals.

FACILITIES

Dissection Hall

The Department of Anatomy offers a large, fully air-conditioned dissection hall, designed to provide students with an optimal environment for hands-on learning. The hall is fully equipped for cadaveric dissection, enabling students to explore human anatomy in detail and develop a strong foundation in gross anatomy through direct observation and application.

Prof. Amir Ali Shoro Anatomy Museum

Our state-of-the-art, air-conditioned anatomy museum showcases an extensive collection of models illustrating the major systems of the human body, including gross anatomy, embryology, and neuroanatomy. The museum also houses original prosected specimens and a comprehensive bone bank, giving students access to high-quality, tangible resources that complement their theoretical knowledge.

Histology Laboratory

The histology laboratory is equipped with modern multi-headed and binocular microscopes, allowing students to study microscopic anatomy with clarity and precision. A wide range of tissue and organ slides are available, while advanced multimedia technology systems project slide images onto LED monitors, enhancing visualization and making group learning more interactive and effective.

Virtual Learning Lab

One of the department's most unique features is the Virtual Learning Lab, equipped with a state of art Digital Anatomy Table, a first-of-its-kind facility. This innovative tool allows students to explore anatomy through interactive 3D visualization, providing a near-clinical experience in understanding structures and their relationships. The table is used not only for anatomy but also to integrate concepts from radiology, pathology, and other major medical subjects, ensuring students receive a comprehensive and immersive learning experience. This facility sets Liaquat National's Anatomy Department apart, making it a pioneer in digitally enhanced medical education.

UNDERGRADUATE TEACHING

The Department of Anatomy is led by a team of highly experienced professors and dedicated faculty members committed to delivering high-quality education. Teaching follows a modern, integrated curriculum that combines evidence-based learning approaches, including Self-Directed Learning (SDL), Large Group Interactive Sessions (LGIS), Small Group Discussions (SGD), Case-Based Learning (CBL), Team-Based Learning (TBL), and flipped classroom techniques. Students also receive hands-on training in the dissection hall, gaining invaluable experience through various animal organ dissections and practical demonstrations of human organ specimens. Regular formative assessments, including MCQs and OSPEs, are conducted, and structured feedback is consistently provided to help students achieve academic excellence and develop lifelong learning skills.

RESEARCH & FACULTY DEVELOPMENT PROGRAM

The Department of Anatomy places a strong emphasis on cultivating a culture of research and innovation. Faculty members are actively encouraged and supported to undertake research projects, contributing to the advancement of medical education and science. A dedicated journal club is held every two weeks, providing a platform for critical appraisal of current literature and collaborative learning. To strengthen leadership, teaching, and mentoring skills, the department regularly organizes workshops and training sessions as part of a comprehensive faculty development program, ensuring continuous professional growth and academic excellence.

BIOCHEMISTRY

Overview

The Department of Biochemistry at LNH&MC serves as a cornerstone of the undergraduate medical curriculum, delivering rigorous, clinically-integrated instruction to students enrolled in the MBBS and BS Medical Technology programs. Anchored by a faculty of highly qualified professionals, the department combines academic depth with a strong emphasis on real-world clinical relevance, preparing students to think like scientists and practice like clinicians.

Vision

To be recognized as a centre of excellence in biochemistry education and research — one that produces graduates equipped not only with foundational scientific knowledge, but with the analytical mindset needed to translate molecular understanding into clinical decision-making.

Faculty Excellence

The department is led by a team of PhD-qualified faculty members whose academic and clinical expertise spans the breadth of biochemistry, molecular biology, and genetics. Faculty are selected not only for subject mastery but for their commitment to student mentorship.

Infrastructure & Laboratory Facilities

The department's biochemistry laboratory is designed to provide an optimal learning environment — spacious, well-lit, and air-conditioned with equipment and layout fully compliant with PMDC specifications. Modern instrumentation supports both undergraduate teaching and molecular biology research, giving students hands-on exposure to techniques used in contemporary biochemical practice.

Clinical Correlation & Integrated Learning

A hallmark of the department's teaching philosophy is the deliberate integration of clinical cases, problem-solving exercises, and real-world scenarios into the biochemistry curriculum. Rather than treating biochemistry as an isolated preclinical subject, the department positions it as a lens through which students can better understand disease mechanisms — bridging the traditional divide between classroom science and bedside medicine.

Research & Publications

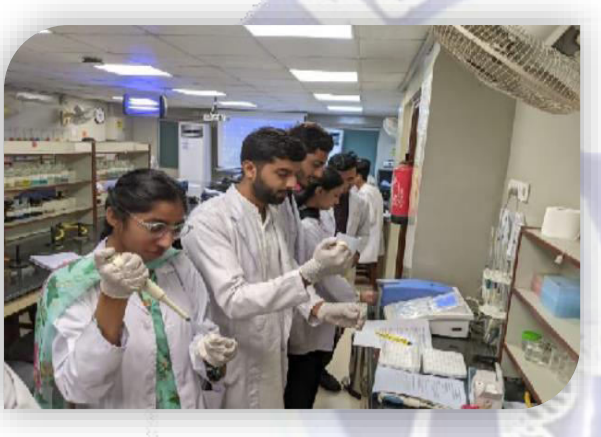
The department actively engages in research, with students participating in collaborative projects with other clinical disciplines. This involvement introduces medical undergraduates to research methodologies and demonstrates how medical biochemistry intersects with clinical outcomes. Our research findings are published in prestigious national and international medical journals. The department is also equipped with modern instruments and advanced tools for molecular biology research.

Continuous Professional Development

Our faculty members are committed to staying at the forefront of the field by participating in conferences, workshops, and training programs. This ongoing professional development ensures that they provide the most current and relevant education, incorporating the latest advancements in Biochemistry, molecular cell biology, and genetics.

Mission Statement

In an era increasingly defined by bioinformatics, translational, and regenerative medicine, the foundational principles of biochemistry and molecular biology remain crucial. As Jeffrey KA aptly stated, “Today’s Science, tomorrow’s medicine,” our mission is to establish a cutting-edge center for teaching and learning, characterized by a dynamic and clinically relevant curriculum in Biochemistry, molecular cell biology, and Genetics.



COMMUNITY MEDICINE

INTRODUCTION

The health care approach has experienced a paradigm shift from individuals to communities. As a result Community Medicine emerges as an important branch of medicine concerned with the health of populations and prevention of disease. It strives to protect and promote the health and well-being of the community through integrated Primary Health Care approaches and community Service at various levels.

MISSION

The mission of Department of Community Medicine is to prepare upcoming doctors to focus on disease prevention and health promotion by addressing social determinants of health and advocating for population health through organized community efforts based on scientific research and knowledge.

VISION

The Department of Community Medicine is committed to provide excellence in education for students pursuing medical career as a profession. The qualified faculty with a broad multidisciplinary approach to public health and clinical issues is facilitating the students towards evidence based learning by conducting research in the community on issues of public health importance.

TEACHING / TRAINING

The Department of Community Medicine at LNMC has adopted different teaching methodologies including Interactive Lectures, Tutorials, Case Based Discussions, Field visits, Problem Based Learning sessions and Research Workshops for students and faculty to promote Evidence Based Preventive Medicine approach in our students and faculty.

The Department has a well-equipped museum and latest soft wares for teaching Public Health methods to medical students. Department also teaches students regarding Research methodology. The students are trained to conduct Medical and Clinical research under the guidance of trained supervisors. Along with it the department also facilitates the faculty in various research projects. Thus provides conducive environment for promotion of health and allied sciences research.

FORENSIC MEDICINE

INTRODUCTION

The Department of Forensic Medicine is responsible for teaching forensic medicine, forensic toxicology and ethics at the undergraduate level according to the latest MBBS curriculum prescribed by Pakistan Medical & Dental Council.

The main objective is to highlight the legal aspects of medical practice that future doctors will be expected to apply knowledge and skills to when dealing with medico-legal matters/issues, as required by the court of law and professional medical practice.

SERVICES

This department is well equipped with offices, lecture hall, tutorial room, demonstrator office, serology lab and museum having all types of models and artificial weapons and other facilities for teaching, presentations, discussion and practical training of students, thus imparting the required and up-to- date knowledge.

UNDERGRADUATE EDUCATION

Students are taught about different aspects of forensic medicine which includes Law in relation to medical profession, medical ethics, informed consent, medical negligence, certification of cause of death, medico legal autopsy, recognition and interpretation of mechanical injuries, burn injuries, traffic accidents, deaths from asphyxia, domestic violence, medico legal aspects relating to sexual assault, medico-legal aspects of marriage, pregnancy & delivery, forensic aspects of personal identification, Biometrics, Polygraph, age certification, torture and death in custody, forensic psychiatry, forensic examination of biological fluids, blood & semen stains, trace evidence. In addition to these, the forensic toxicology relevant to diagnosis, identification of poison, management and treatment are part of curriculum. The student learning program has been integrated according to module wise studies. The learning methods used are: Interactive lectures, demonstration, tutorials making use of multimedia. For practical orientation, the students visit ER, Mortuary and National poisoning control center of Pakistan for Medico Legal cases. Students have to be assessed by the affiliated University accordingly.

RESEARCH

The department is actively involved in research activities.

DEPARTMENT OF HEALTH PROFESSIONS EDUCATION

VISION

Department of Health Professions Education (DHPE) aims to create a national distinct environment of quality education for a diverse group of health professionals. The department aspires to shape a new generation of leaders and educators in Health Professions with a commitment to excellence in research, innovation, technology, collaborative practices, and responsiveness to changing environment.

MISSION

The mission of DHPE is to promote dynamic curricula and innovative approaches to teaching, learning, assessment and evaluation within the rapidly changing healthcare landscape along the entire continuum of health professions education, informed by the best practices.

SCOPE OF DHPE WITHIN LIAQUAT NATIONAL MEDICAL COLLEGE (LNMC)

DHPE supports LNMC in preparing competent medical graduates who will demonstrate responsiveness to the growing needs of the profession, and evolving societal expectations. DHPE faculty works closely with the Medical College to develop, implement and facilitate integrated curricula, utilizing different teaching and learning strategies like case-based learning, forum theatre, Team based learning, etc. DHPE conducts a Study Skills module for MBBS first-year students to help them overcome the academic pressures of medical studies. Longitudinal courses including Communication Skills, Patient Safety, Leadership and Professionalism & Ethics are being collaboratively developed by DHPE and medical college faculty. DHPE also develops study guides that facilitate both students and faculty. It leads the development and conduction online and on-site examinations.

In line with the modern educational principles and practices, DHPE supports Moodle (Learning Management System) as a digital platform to facilitate, the creation, delivery, and management of educational content. The faculty can upload educational resources on Moodle and the students can access learning materials at their own pace.

DHPE is structured into four functional units, each responsible for distinct areas:

Faculty Development Unit FDU activities benefit educators by a combination of formal and informal programs which include certificate courses, workshops and journal clubs relevant to the needs of health professions educators including medical, dental, nursing and allied health sciences faculty.

Assessment and Evaluation Unit The purpose of this Unit is to develop an effective, transparent, and centralized system of examination. Keeping pace with technological advancement, EU has equipped itself with item banking software and an OMR scanner. This enables secure and fair assessment delivery which enhances the efficiency, accuracy, and effectiveness of assessments at LNMC. This unit is also involved in program evaluation to uphold academic standards.

Curriculum/ teaching and learning Unit

The overall purpose of this unit is to help and guide faculty in the development, implementation and review for improvement of the courses being conducted at the institute.

Educational research unit

This unit strengthens research culture by providing guidance, mentorship and support for educational research and publications.

PATHOLOGY

INTRODUCTION

The Department of Pathology is a multi-disciplinary department consisting of Histopathology, Microbiology and Clinical Pathology on the Medical College side.

The Medical College Section consists of fully equipped and air-conditioned laboratories, a large museum with a wide range of mounted pathology specimens, a teaching microscope with attached camera and large LCD screen as well as several tutorial rooms for small group teachings.

UNDERGRADUATE TEACHING

Undergraduate teaching of Pathology is in the form of lectures, practical sessions and small group tutorials, as per the guidelines of PM&DC. Regular assessment of the students is carried out. Purpose built separate laboratories are available for practical demonstrations.

The clinical lab is ISO 9001: 2008 certified and participates in EQA programs by College of American Pathologists, to assure quality. Equipped with high-tech latest equipment's and qualified experienced staff, it handles more than a million specimens every year and works round the clock.

Qualified teaching faculty with vast experience and training, for each sub specialty is present. Continuous assessment of the students is performed at regular intervals and a close eye is kept on their performance throughout the year.

RESEARCH

Research is actively encouraged and conducted with participation in national & international conferences, paper presentations as well as publications in reputable local and international journals. Postgraduate training is an integral part of the department, and so far more than 40 trainees have cleared their FCPS in various disciplines of Pathology.

DIGITAL WHOLE SLIDE SCANNER

The Histopathology department Liaquat National Hospital is also equipped with state of art digital whole slide scanner which can be used for research, education and knowledge sharing purposes. This will open new horizons in field of research and education collaborative opportunities both locally and internationally.

PHARMACOLOGY

OVERVIEW

Welcome to the Department of Pharmacology at Liaquat National Medical College, where we are committed to excellence in medical education, research, and innovation. Our comprehensive approach combines rigorous academic teaching, practical learning, and contemporary research to help students understand and apply pharmacological principles in clinical practice. We foster critical thinking, scientific inquiry, and lifelong learning, preparing future healthcare professionals to contribute meaningfully to patient care and the advancement of healthcare.

ACADEMIC EXCELLENCE

Our department brings together a dedicated and diverse team of experienced educators, including a Ph.D. Professor, Associate and Assistant Professors with MPhil qualifications pursuing PhDs, and MBBS-qualified lecturers and demonstrators. Many faculty members are actively involved in research and advanced academic pursuits, fostering a culture of continuous learning and innovation. Our teaching goes beyond memorization. We focus on understanding pharmacological concepts, developing critical thinking, and applying knowledge to real-world clinical scenarios. This approach empowers our students to become confident, rational, and evidence-based healthcare professionals.

UNDERGRADUATE PROGRAM

Our undergraduate Pharmacology curriculum builds a strong foundation in the science of drugs and their effects on the human body. Through interactive lectures, clinical case discussions, small-group tutorials, and concept mapping, we encourage students to understand, connect, and apply pharmacological concepts rather than simply memorize them. To support flexible and continuous learning, lecture materials and recordings are available through our Learning Management System (LMS), allowing students to revisit key concepts and learn at their own pace.

FACILITIES AND RESEARCH

Our department provides modern, well-equipped facilities that support both teaching and research. The Pharmacology laboratory includes advanced equipment for experimental work, including animal-based drug studies and PowerLab-based practical demonstrations, giving students valuable hands-on experience and a deeper understanding of drug actions and interactions. Research is at the heart of our academic culture, with faculty and students actively involved in projects exploring drug efficacy, safety, mechanisms, and potential therapeutic applications. Through these opportunities, we encourage scientific curiosity, innovation, and meaningful contributions to healthcare.

MENTORING AND SUPPORT

We are committed to the personal, academic, and professional growth of our students through a structured mentorship program. Faculty mentors provide individualized guidance, support, and career insights, helping students navigate their academic journey with confidence. The program also encourages students to explore research interests, develop professional skills, and plan for their future careers in Pharmacology and related fields.

PHYSIOLOGY

OVERVIEW

The Department of Physiology serves as a foundational pillar in the medical sciences, bridging basic biological mechanisms with clinical practice. As physiology is often regarded as the language of medicine, the department is committed to advancing education and research in line with evolving scientific knowledge and healthcare practices.

ACADEMIC PROGRAMS

The department offers comprehensive academic training at both undergraduate and postgraduate levels, including the **Fellowship of the College of Physicians and Surgeons (FCPS) in Physiology**. These programs are designed to equip students with a thorough understanding of physiological principles and their clinical applications.

TEACHING METHODOLOGIES

To ensure meaningful and applied learning, the department employs a wide range of innovative, evidence-based instructional strategies, such as:

- Didactic lectures and tutorials
- Small group discussions and practical sessions
- Flipped classrooms and role-play
- PowerPoint-based interactive teaching
- Team-Based Learning (TBL) and Peer-Assisted Learning (PAL)
- Game-based and Case-based learning
- Integration of Artificial Intelligence (AI) in instructional design
- Modular teaching with interdisciplinary integration
- Split class room to incorporate smaller group sessions

These approaches promote critical thinking, clinical reasoning, and lifelong learning skills essential for future healthcare professionals.

RESEARCH AND PROFESSIONAL DEVELOPMENT

The department places a strong emphasis on academic scholarship, skills and professional growth. In collaboration with the **Research and Skills Development Center (RSDC)**, students and faculty are actively engaged in developing clinical skills and research activities aimed at enhancing understanding of human physiology through both classical and advanced experimental methodologies.

ASSESSMENT AND STUDENT SUPPORT

Continuous **formative assessments** are conducted to monitor academic progress and prepare students for professional examinations. A supportive and intellectually stimulating environment is maintained to help students achieve academic excellence and reach their full potential.

INFRASTRUCTURE AND FACILITIES

The department offers a modern, well-resourced academic environment, including:

- Fully air-conditioned lecture halls and seminar rooms equipped with the latest audio-visual aids
- A state-of-the-art fully equipped Physiology Laboratory
- The advanced Power Lab system for physiological data acquisition and analysis
- A dedicated Virtual Learning Laboratory for simulation-based education

These facilities support high-quality teaching, hands-on training, and research activities across various domains of physiology.

FACULTY

The department is staffed by a team of highly qualified and experienced professionals, recognized by leading regulatory and academic bodies including the **Pakistan Medical & Dental Council (PMDC), Higher Education Commission (HEC),** and **College of Physicians and Surgeons Pakistan (CPSP).**

Faculty Members:

- **Prof. Dr. Syed Hafeezul Hassan** – Professor & Head of Department
- **Prof. Dr. Ahsan Ashfaq** – Professor
- **Dr. Naila Parveen** – Associate Professor
- **Dr. Aqsa Jabeen** – Assistant Professor

In addition to teaching, faculty members participate in ongoing professional development through departmental workshops, journal clubs, and research initiatives.

STUDENT ACHIEVEMENTS

Our graduates consistently demonstrate exceptional performance in both undergraduate and postgraduate examinations. The department takes pride in the positive feedback received from students, which reflects the effectiveness of its academic and mentorship practices.

ACCIDENT & EMERGENCY

INTRODUCTION

The Department of Emergency at Liaquat National Hospital is providing a variety of services to its patients. Having all the facilities of any modern tertiary care hospital. It is more than capable to deal with every type of medical, surgical and trauma related emergency.

SERVICES

The Department provides services by Consultants, Senior Registrars, Registrars and Medical officers round the clock, dealing with all types of major and life threatening emergencies with expertise and dedication.

Our mission is to provide quality emergency care to the patients in a friendly yet professional environment.

The Department is staffed with skillful doctors, nurses and dedicated team of ancillary services. It has all kinds of investigations and treatment facilities available, under one roof.

Our departmental layout consists of Acute, isolation area, Male and Female bays, divided according to patient condition based on Triage. We are supported by a wide range of services, including round-the- clock Cardiac Catheterization, Radiology, Laboratory as well as Minor Procedure facilities. The emergency patients have the services of all specialty doctors present in the hospital.

We also offer dressings and stitching of the wounds, fixation of fractures, in our minor Procedure room at all times of the day.

UNDERGRADUATE AND POSTGRADUATE TEACHING

The Department has a regular teaching program for under and post graduate students and provides a chance for hands-on training in acute management of critically ill patients.

RESEARCH ACTIVITIES

The Emergency Department has multiple ongoing research projects with the aim of producing local data that will be beneficial in better patient management.

ACHIEVEMENTS

The Emergency Department has always rendered its services with complete dedication and expertise during times of disaster in the city and prides itself in saving many lives, under adverse circumstances. The department effectively manage trauma patients and stroke patients through a dedicated Trauma Team and stroke management pathway ensuring timely assessment and stabilization.

Department is recognized by CPSP for Emergency Medicine training. The departmental is ISO certified 9001: 2015.The department had been a part of hospital Covid team and handled patient effectively in pandemic situation with training and teaching of doctors and staff according to infection control policy for Covid19 patients.

ANAESTHESIOLOGY

INTRODUCTION

Department of Anesthesiology, Critical Care & Pain Management provides high-quality, evidence-based care for a wide variety of surgical, therapeutic, diagnostic and interventional procedures. Our faculty provides safe & efficient non-operating room anesthesia (NORA) care at pediatric cardiac Cath lab, adult Cath lab, CT, MRI and VIR suites, ultrasound room, lithotripsy, and endoscopy suites. The faculty has extensive perioperative medicine experience, expertise in airway management, intravascular access, resuscitation, management of critically ill patients, and acute and chronic pain management. Throughout the year, a large number of high risk challenging patients successfully undergo complex surgical procedures both under General and Regional anaesthesia.

SERVICES

- Anaesthesia clinic: The Anaesthesia clinic provides evaluation and treatment plans to preoperative patients to ensure that patients are managed well during their perioperative period. Our objectives are to reduce perioperative risk through evidence-based best-practice preoperative evaluation and treatment. All patients expected to undergo anaesthesia are evaluated for co-morbid conditions that increase perioperative risk, preoperative interventions are initiated to minimize risk of complications. Patients are educated to optimize their perioperative care and reduce post-operative complications particularly pulmonary and cardiac complications.
- The department has state-of-the-art operating rooms equipped with modern anaesthesia workstations, facilities for invasive monitoring, advanced airway management (video laryngoscopy, fiberoptic bronchoscopy), monitoring for depth of anaesthesia and quantitative neuromuscular monitoring caters for different anaesthetic requirements for general surgery, orthopedics, urology, vascular, otolaryngology, head & neck, pediatrics, plastic and reconstructive, fasciomaxillary, thoracic, cardiac (both adult and pediatric), neurosurgery, obstetrics & gynecology and trauma surgery. Ultrasound guided nerve blocks are used to provide postoperative pain relief and as sole anaesthetic, with target-controlled infusion of propofol in high-risk surgical patients.
- Post-anaesthesia care unit (PACU): All patients are admitted to PACU following anaesthesia and surgery where they are managed until they regain full consciousness, and their postoperative nausea and vomiting (PONV) and postoperative pain are under control. Patients are not discharged until vital signs have stabilized and PONV and pain are under control. The PACU is manned by trained and skilled staff who continue the same monitoring that was being carried out in the operating room.
- A multidisciplinary team made up of intensivist (members of our faculty), surgeons, other consultants, trained ICU nurses, pharmacists, and physical therapists manage medical and surgical critically ill patients, round-the-clock in surgical intensive care units that are provided with state-of-the-art equipment.
- Our Acute Pain Service team is dedicated to minimizing postoperative pain and assisting with early ambulation and rehabilitation of surgical patients. Our specifically trained faculty members with perioperative pain management expertise, anesthesia residents and a pain nurse make up the team. In order to minimize postoperative pain, the acute pain team employs a multimodal strategy that includes combinations of various drugs, epidurals, ultrasound-guided peripheral nerve blocks, and state-of-the-art patient-controlled analgesia (PCA) pumps.

- Chronic Pain Clinic: Pain is a complicated and often debilitating medical condition that can have a major impact on quality of life, physical function and mental well-being. Our pain specialists offer a comprehensive range of treatments for patients with chronic pain including epidurals, facet joint injections, peripheral nerve blocks, lumbar & stellate ganglion blocks and celiac plexus block for conditions like backache, cancer pain, ischemic limb pain, complex regional pain syndromes, neuralgias and neuropathic pain.

UNDERGRADUATE TEACHING

Our faculty members regularly teach undergraduate and postgraduate students. Regular lectures are scheduled for final year students and they are rotated in our department as part of their training.

RESEARCH

Faculty and residents present papers both in national and international conferences of anesthesia from time to time. CMEs, workshops and public awareness programs are also arranged periodically. Research is also conducted on various topics by trainee residents supervised by seven supervisors in the department. Students are also encouraged to do research.

ACHIEVEMENTS

- We run a structured residency program, for FCPS in Anesthesiology. To date, our 139 trainees (MCPS, FCPS) have successfully passed their exams after completing the training who are now serving different hospitals of the country as well as abroad.
- Two of our residents passed their European Diploma in Anaesthesia and Intensive Care.
- Anesthesia department is ISO 9001:2015 certified

BREAST SURGERY

INTRODUCTION

The Department of Breast Surgery has been dedicated to providing exceptional care and support for patients with breast-related health concerns. With a focus on innovation and comprehensive treatment, we strive to enhance patient outcomes and improve quality of life. Our department is a renowned, high-volume breast surgery center in the city, specializing in a wide range of benign and malignant conditions. With around 1,000 new breast cancer cases annually, our department delivers advanced care through the expertise of our skilled surgeons.

UNDERGRADUATE TEACHING AND TRAINING

The Department of Breast Surgery at Liaquat National Hospital and Medical College offers a comprehensive and rigorous undergraduate training program designed to equip medical students with the knowledge and skills necessary to excel in the field of breast surgery. Our dedicated faculty is committed to delivering high-quality education to undergraduate medical students.

CURRICULUM

The undergraduate curriculum in breast surgery includes a combination of didactic lectures, clinical rotations, and hands-on training. Students have the opportunity to learn about:

- Anatomy and physiology of the breast
- Breast development and pathology
- Diagnosis and staging of breast cancer
- Surgical techniques for breast cancer treatment
- Breast reconstruction options
- Oncologic management of breast cancer
- Supportive care for breast cancer patients

CLINICAL ROTATIONS

Students participate in clinical rotations in the Department of Breast Surgery, where they observe and assist in various procedures, including:

- Biopsies
- Lumpectomies
- Mastectomies
- Breast reconstruction surgeries
- Sentinel node biopsies
- Axillary lymph node dissections

HANDS-ON TRAINING

Students have the opportunity to gain hands-on experience through simulation training and getting scrubbed along with the faculty and residents. This helps them develop essential surgical skills and improve their confidence in the operating room.

RESEARCH ACTIVITIES

The Department of Breast Surgery is actively involved in research aimed at advancing knowledge in breast health, treatment options, and surgical techniques. Our faculty and students collaborate on various research projects, contributing to a growing body of literature. We encourage student participation in research initiatives to cultivate critical thinking and analytical skills essential for their future careers.

COMMUNITY OUTREACH

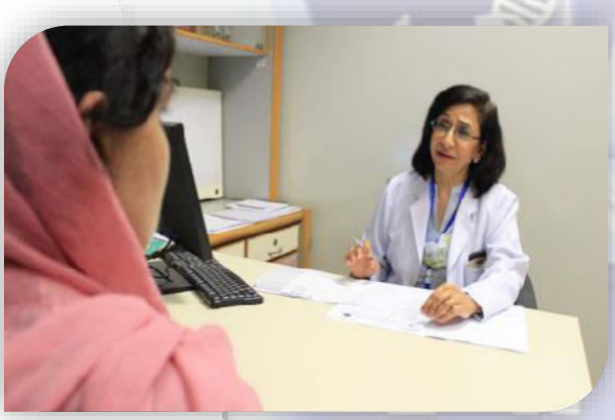
We believe in the importance of community education and outreach. We participate in various community events and initiatives to raise awareness about breast cancer and promote early detection.

ADVANCED FELLOWSHIP PROGRAM

The Department of Breast Surgery offers a prestigious 2-year-advanced postgraduate fellowship program in breast surgery affiliated by College of Physician and Surgeons Pakistan. This program is designed to train highly skilled surgeons who can provide advanced care for patients with breast-related conditions and being awarded fellowship degree after the completion of training and exam.

ACHIEVEMENTS

Our department is a hub for educational excellence and innovation in breast surgery. We regularly host awareness sessions, symposia, and continuing medical education (CME) events featuring leading experts. These initiatives are designed to enhance the skills of healthcare professionals and disseminate the latest advancements in breast surgery.



CARDIAC SURGERY

INTRODUCTION

The Department offers a very high standard of diagnostic and therapeutic facilities. It is recognized as one of the premier centers for treatment of Cardiac Surgery diseases and ailments in the city. All types of Adult and Pediatric Cardiac surgery procedures are performed here. The department has performed a large number of complicated and complex heart operations. On an average over 300 procedures are performed annually.

SERVICES

In addition, onsite Laboratory, Blood Bank, Angiography, Echocardiography, Exercise Tolerance Testing (ETT), Thallium stress test, CT scanning, MRI, Carotid Doppler, Dialysis, Ultrasound, Diabetic care and Physiotherapy services are available round the clock. This not only saves the patient and their families from running around, but, at the same time, speaks of the multi specialization structure of the hospital and makes this unit a very safe place for all sort of Cardiac Surgery procedures.

UNDERGRADUATE AND POSTGRADUATE TEACHING

The students of LNMC rotate through this department. During their stay, along with bed side teaching, they are encouraged to attend the operation theatre to witness Coronary Bypass and Valve replacement operations. The department is recognized for training by the College of Physicians and Surgeons Pakistan (CPSP) for postgraduate trainees.

RESEARCH

The department encourages research and has published various papers in PM&DC recognized journals.

CARDIOLOGY

INTRODUCTION

The department of Cardiology is providing best Cardiac Services to our people. Not only people of Pakistan but also people from adjoining Countries also visit and take advantage of the best Service provided in our department. The department has wide range of Cardiac related facilities which meet the requirement of our patients.

FACULTY

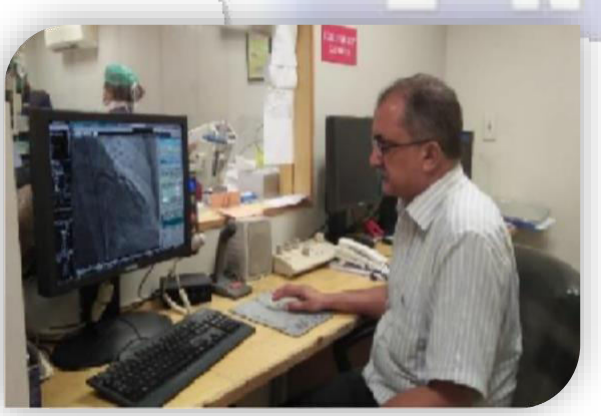
The department of Cardiology has adequate number of faculty members. The faculty includes both invasive and non-invasive Cardiologist. A full time Electrophysiologist has also joined our department which enhance the strength of our department. Along with Adult Cardiology Services, our hospital also provide Paediatric Cardiology Services with full time dedicated Cardiologist and Cardiac Surgeon. Adult Cardiac Surgery is available in our hospital with full time dedicated Cardiac Surgeon.

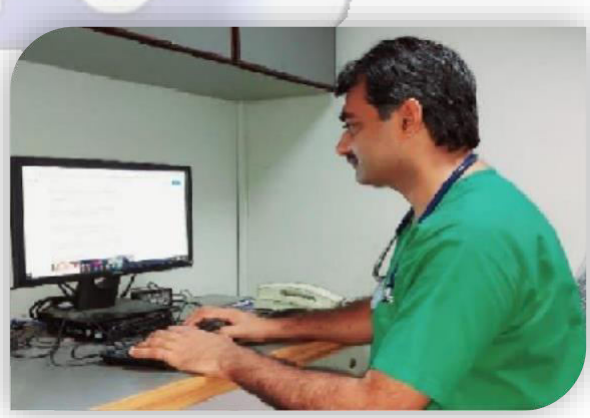
FACILITIES

24 hour emergency service for Cardiac patients is available in our emergency department without any break. From Monday to Saturday, Cardiac OPD service is available in both morning and afternoon shifting. Evening executive OPD is also available most of the days. We have the best Coronary Angiography machine in our Cath Lab. We provide the best coronary angiography and angioplasty (PCI) services to our patients. Temporary and Permanent pacemaker are implanted in our Cath Lab. Paediatric and Adult Congenital Heart Disease procedures are performed here. For our emergency patients, we provide 24 hour services of Coronary Angiogram, PCI and Cardiac Surgery. Our non-invasive department is equipped with high quality echocardiography machines, ETT services, 24 to 72 hours Holter Monitoring, Ambulatory BP pressure recording, Tilt Table Test and Myocardial perfusion scan (MPS). Our echo department perform high quality echocardiogram, and other echo related procedure like Dubutamine Stress Echo (DSE), Transesophageal echo (TEE) and perform Pericadiocentesis.

CARDIOLOGY TRAINING

The department of Cardiology is recognized by College of Physician and Surgeon of Pakistan (CPSP) for post graduate training. A large number of doctors have successfully passed the FCPS and providing the best services in the different hospitals. Our department provides best training environment for both undergraduate and postgraduate students.





DERMATOLOGY

INTRODUCTION

Department of Dermatology, Liaquat National Hospital & Medical College comprises of three out patients clinics, which are being run on daily basis. Both walk in and appointment patients are facilitated. Patients are referred from dermatology review from all other departments of the hospital.

SERVICES

The Department is offering certain essential procedures for better services i.e. intralesional steroids injection for Keloid, Alopecia Areata. Electrocautery for viral warts. Cryo therapy or liquid nitrogen gas spray is used for viral Infections like Molluscum Contagiosum and warts. Chemical cautery with the help of trichloro acetic acid touches for Xanthelasma Patients, PRP for all types of Alopecia and Acne scars, melisma. UVB and UVA for many skin conditions like Psoriasis, Vitiligo, Atopic Dermatitis and cutaneous Malignancies.

LNH also offering Aesthetics procedure like PRP, Micro needling, Laser for hair removal, pigmentation, Hydra-facial for skin Rejuvenation and glow, Skin peels, etc.

UNDERGRADUATE TEACHING

- Teaching activities are also performed within the out patients clinics and through ward rounds.
- At the medical college lectures and tutorial are held.
- Seminars and workshops are also arranged for the students.
- Two months rotation of Medicine and Pediatrics Residents in dermatology department which includes their teaching and enhancing their clinical skills.
- Rotation of undergraduate students for ten days in dermatology department and their viva/practical exam at the end of the rotation.
- Conduction of module of dermatology of fourth year students of medical college.
- Clinical teaching in the outpatients department.

RESEARCH

The Department understands the importance of research and provision of local data and is actively involved in research activities.

DIABETES, ENDOCRINOLOGY & METABOLISM

INTRODUCTION

Endocrinology is rapidly growing specialty worldwide. The Endocrine System consists of a collection of glands that control basic body functions such as metabolism of sugars, fats and proteins. Endocrinology encompasses wide medical disorders including diabetes mellitus, lipid disorders, obesity, hypertension, pituitary disorders, thyroid and parathyroid disorders, adrenal (cortisol deficiencies and excess), diabetes insipid us and inappropriate release of vasopressin, associated with thirst disorders and electrolyte imbalance (abnormal sodium and other electrolytes), problems of puberty, calcium and bone disorders (osteoporosis, osteomalacia, Vitamin D disorders), growth disorders (short stature, abnormal growth including acromegaly), female hormonal issues(menopause, Hormone Replacement Therapy, Polycystic Ovarian Syndrome), gonadal and reproductive disorders including male infertility.

SERVICES

With the help of specialized diabetes educationist and dedicated nutritionists, all patients are provided with diabetes education and a diet plan tailored to their needs and capacities. General endocrine clinics are held daily in the morning and afternoon. Specialized clinics are also held for Obesity, Growth, Gestational Diabetes and Thyroid disorders.

There are three full time Consultants (Dr. Aqiba Sarfraz, MBBS, MCPS, FCPS (Head of Department). Dr. Ali Asghar, MBBS, MRCP (UK), FACE (USA) and Dr. Muhammad Owais Rashid, MBBS, FCPS (Medicine), FCPS (Endocrinology) in the department.

UNDERGRADUATE & POSTGRADUATE TEACHING

The department is actively involved in under-graduate and post-graduate training including lectures, CME activities, clinical and bedside teaching.

E.N.T HEAD, NECK SURGERY

INTRODUCTION

The Department of ENT Head & Neck Surgery is a major tertiary referral unit in Pakistan. We have highly qualified consultants and trained junior staff. Emphasis is on providing quality care to our patients. We deal with full range of ENT disease including head & neck cancer.

SERVICES

The ENT ward is staffed by trained personnel. The ward comprises of semi-private/ private rooms. We provide outpatient services six days a week. Patients with ENT problems are managed in a planned and coordinated manner for quick establishment of diagnosis and early treatment. We work in coordination with medical and radiation oncologist, reconstructive surgeon and pathologist to formulate a multi-disciplinary comprehensive management plan for our oncology patients.

Our services cover a wide spectrum of ENT, salivary glands Head & Neck cancer surgeries. We have started neonatal hearing screening of all the babies born at Liaquat National Hospital. This is the first services of its kind in Pakistan. We also provide audiology services by a trained audiology technician.

UNDERGRADUATE TRAINING

The ENT faculty is highly focused and motivated in providing excellent undergraduate teaching. The goal is to train our medical students is to make medical students- responsible, dedicated, competent and caring doctors. The department encourages students to participate in research and academic activities.

We have four weeks and six week rotation in 3rd and 4th year respectively, during that we make student understand the basic of diagnostic and therapeutic tools to diagnose ENT related disease. We conduct interactive assessment at the end of their rotation.

RESEARCH

The Department is keenly interested in Research activities.

FAMILY MEDICINE

INTRODUCTION

The Department of Family Medicine, established in **March 2016,** is a leading provider of comprehensive, accessible, and affordable primary healthcare. Committed to excellence in patient care, medical education, and community service, the department delivers holistic, person-centered care through an integrated network of hospital-based, community outreach, and home-based services, promoting health and well-being across all stages of life.

SERVICES

The Department of Family Medicine provides comprehensive, patient-centered care using a bio-psycho-social approach across all age groups. Our consultant and specialist family physicians deliver holistic, continuous, and compassionate care through a wide range of services, including:

- Comprehensive Family-Centered Care
- Management of acute and chronic medical conditions
- Health promotion and disease prevention
- Palliative care for patients with life-limiting illnesses
- Senior Citizens' Primary Care Clinic
- Women's Health and Lactation clinics
- Child and Adolescent Health
- Geriatric Care
- Employee Health Clinic
- Outreach primary care services at five community clinics across Karachi
- Home-based medical care for elderly, bed-bound, and chronically ill patients
- Coordination of care with specialists to ensure continuity and comprehensive management

UNDERGRADUATE TEACHING

The Department of Family Medicine is committed to excellence in undergraduate medical education through structured, hands-on clinical training that prepares students for the realities of primary healthcare practice. During their clinical rotations, students gain practical experience in patient assessment, clinical reasoning, communication skills, and the management of common health conditions while applying the bio-psycho-social model, preventive medicine, continuity of care, and evidence-based practice in both hospital and community settings.

Guided by experienced faculty who serve as mentors and role models, students learn not only the science of medicine but also the art of being a compassionate physician. The program places strong emphasis on professionalism, ethical practice, and building meaningful doctor–patient relationships, fostering empathy, respect, and patient-centered care. Our goal is to develop competent, confident, and socially accountable graduates who are equipped to deliver comprehensive, holistic, and compassionate primary healthcare.

POST GRADUATE TRAINING

The Department of Family Medicine is accredited by the College of Physicians and Surgeons Pakistan (CPSP) for FCPS training in Family Medicine, reflecting its commitment to excellence in postgraduate medical education. Our residency program is designed to develop competent primary care specialists, clinical leaders, and educators who are equipped to deliver comprehensive, evidence-based, and cost-effective healthcare. The curriculum emphasizes preventive, promotive, curative, rehabilitative, and palliative care while fostering clinical excellence, professionalism, leadership, research, and lifelong learning to meet the evolving healthcare needs of individuals, families, and communities.

In collaboration with the World Health Organization (WHO), the department also offers a one-year Postgraduate Certificate (PGCert) in Family Medicine, specifically designed for practicing general practitioners. This innovative program provides a flexible hybrid learning experience, combining online learning with hands-on clinical skills training and workplace-based education. The curriculum enhances participants' knowledge, clinical competence, and patient-centered approach, enabling them to deliver high-quality primary care while continuing their professional practice. Through this initiative, the department is contributing to the development of a highly skilled primary care workforce and strengthening the delivery of Family Medicine services across Pakistan.

RESEARCH

Department of Family Medicine promotes a culture of research and evidence-based practice in primary care. Our faculty is involved in many research projects and contribute as a member of the editorial board for Liaquat National journal of primary care, which is indexed at Google Scholar, Dimensions- Digital Science (UK), CORE (UK), and Directory of Open Access Journals (DOAJ), SCOPUS and recognized by the Higher Education Commission Pakistan. (HEC).

GASTROENTEROLOGY

INTRODUCTION

The Department of Gastroenterology is housed in the Syed Wajid Ali Shah Complex of LNH. The department has seven full time (07) faculty members, (04) part time faculty members and 3 Senior Registrar.

SERVICES

It comprises of dedicated ward providing in-patient care. There are 10 dedicated OPD rooms and we have our own 25 beds dedicated ward, which are run by the highly qualified consultants on daily basis in which any patient with liver or gastrointestinal problems may walk in with and / or without prior appointment.

Our Endoscopy Suite has four rooms with state of the art equipment's. It provides facilities for broad range of diagnostic and therapeutic procedures including Esophago Gastro Duodenoscopy (upper GI endoscopy), Colonoscopy (lower GI endoscopy) and Endoscopic Retrograde Cholangio Pancreatography (ERCP). We also provide round the clock emergency endoscopy services. We have our own fluoroscopy in the endoscopy suite.

We also have Endoscopic Ultrasound facility available. We have dedicated women endoscopy services also. State of art Fibroscan machine available in OPD. UBT (Urea breath test) for rapid H-pylori detection is also available in OPD.

UNDERGRADUATE AND POSTGRADUATE EDUCATION

Apart from clinical services a lot of focus is on academic and research activity. The department has full recognition from the College of Physicians and Surgeons of Pakistan for three years fellowship program in gastroenterology and the selection process is highly.

The Students of Liaquat National Medical College regularly rotate with each faculty for two weeks. During their rotation, they attend OPDs do ward rounds with consultants and observe and interpret endoscopic findings.

At the end of their rotation, assessment of students is done through MCQs based test. Their attendance and assessment marks are marked on regular basis and signed by the faculty responsible.

ACHIEVEMENTS

It is an honor of our department that our trained fellows become accomplished gastroenterologists and are working in the different hospitals in Pakistan and abroad.

Medical officers & students are actively involved in research projects, which are published and presented nationally and internationally.

GENERAL MEDICINE

INTRODUCTION

The Department of Medicine is the basic unit of LNH&MC, offering essential services to patients with medical issues. We conduct daily outpatient clinics, with over 24,000 patient visits each year, ensuring thorough attention and appropriate investigations for effective management. Inpatient care is provided in cost-effective male and female wards, specialized wards, and executive wards, with high-quality nursing support. For patients needing intensive care, we have a fully equipped Medical Intensive Care Unit (MICU) that offers comprehensive investigation and treatment under supervision of critical care physicians.

We have also established Geriatric services for individuals aged 65 and above, which include initial evaluations, neurocognitive screenings, psychological support, and physiotherapy assessments. Additionally, we provide home visits in collaboration with our home health services department.

UNDERGRADUATE TEACHING

The Department aims "to prepare exceptional doctors, disseminate knowledge, and uphold the values of the medical profession." We conduct regular teaching, training, and assessment to meet these goals. Third, fourth, and final year MBBS students receive instruction through lectures, tutorials, bedside teaching, and clinical discussions, rotating through outpatient departments and medical wards. This department is recognized by the PM&DC for providing house job training to recent graduates.

We play a crucial role in the training of both undergraduate and postgraduate students under the guidance of our highly qualified faculty. Our postgraduate training is well-regarded nationally, and we also facilitate candidates, who are appearing in IMM Medicine and FCPS II Medicine examinations by organizing hands-on workshops. The department is accredited by the College of Physicians and Surgeons of Pakistan (CPSP) and the Royal College of Physicians for four years of FCPS and MRCP training.

RESEARCH

The department actively organizes research activities and workshops to encourage students to engage in research and publication.

GENERAL SURGERY

INTRODUCTION

Serving the community for half a century, the Department of General Surgery is committed to impart high quality service to its clientele. With over 5000 surgical procedures/year, we form a vigorous workforce ensuring the delivery of comprehensive surgical care.

UNDERGRADUATE TEACHING AND TRAINING

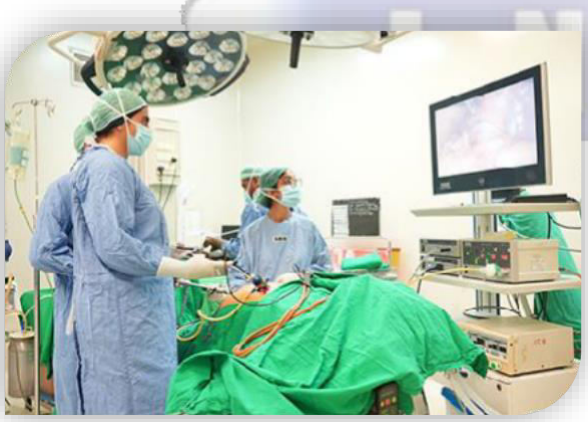
The highly trained full time faculty is totally committed to provide undergraduate education. From the inception of the medical school till the implementation of the integrated modular system the Surgery department is deeply involved in student's academic development. From large lectures to small tutorial groups the students are intensely tutored and receive individual attention. During their clinical rotation, they are attached to faculty members who take great interest in sharpening their clinical acumen, enhancing analytical skills, organizing tests and arranging feedback sessions. Students exposure to the clinical environment is strengthened by the large volume and variety of patients managed by the highly skilled faculty in the state of the art way. They are nurtured to become competent professionals. The department is also involved in Postgraduate Teaching and Training.

RESEARCH ACTIVITIES

The Department of General Surgery actively participates in research activities related to general surgery and medical education. So far, department has produced multiple good quality publications and many are in the pipeline. The students are encouraged by faculty members to enroll in supporting research projects in order to develop their research acumen.

ACHIEVEMENTS

The department is the forerunner and the hub of educational activities for the entire hospital. Multiple medical education workshops are regularly conducted by the faculty to train the hospital faculty to impart quality education. In addition symposia with local and foreign speakers, workshops and CMEs are a regular feature.



NEPHROLOGY

INTRODUCTION

The Department of Nephrology, Liaquat National Hospital cares for patients with a diverse range of kidney diseases through inpatient consult service, ward/transplant service, outpatient clinics and 24/7 hemodialysis facilities. It has gained recognition through its postgraduate training, expert patient management, well reputed faculty and doctors team.

SERVICES

Nephrology ward includes a separate male ward, female ward and private wing. The department has its own intensive care and high dependency unit. 24 hours emergency care is provided to all the patients.

HAEMODIALYSIS UNIT

The Department of Nephrology comprises of a separate unit of Hemodialysis, which provides round the clock service for acute and chronic hemodialysis. Dialysis unit is staffed with well-trained nurses and technicians. There are dedicated units for hepatitis B & C positive patients. CRRT is also practiced in intensive care unit patients.

ACADEMIC ACTIVITIES

Educational activities in the division, ranges from teaching medical students to providing advanced training for fellows. The Renal Fellowship Program is affiliated with CPSP and is comprised of comprehensive training program that covers all aspects of clinical nephrology and actively involves the fellows in research. All trainees are actively involved in academic activities throughout the year. An academic calendar is followed strictly in the department which includes topic reviews, nephrology updates, morbidity & mortality meetings and journal clubs.

Till date 46 nephrology fellows have completed their training and 27 fellows have qualified for FCPS nephrology.

RESEARCH

Research activities are mandatory and are supervised by Head of the Department and respective faculty. There has been multiple research papers published and multiple ongoing projects in progress by the faculty of Nephrology.

NEUROLOGY

INTRODUCTION

The Neurology Department of Liaquat National Hospital runs outpatient clinics and also has a fully equipped Neurophysiology laboratory which performs nerve conduction studies and electromyography (NCS/EMG), electroencephalogram (EEG) and evoked potentials (EPs).

SERVICES

Neurology department is staffed with five qualified neurology consultants who are actively involved in patients care and academic activities.

The outpatient clinics are run by consultants and his team of residents and medical officers. Every patient visiting the clinic is seen by the consultants personally.

The inpatient services include a stroke unit which is a high dependency unit which caters for patients with acute neurological problems. Beside a 19-bed ward is also run by a team of qualified doctors and nurse.

UNDERGRADUATE TEACHING

Undergraduate teaching is in the form of regular bedside teaching sessions and didactic class's lectures of 3rd year, 4th year & 5th year as per guidelines of PM&DC. Regular assessments of all 3 clinical years are done on regular basis at the end of their posting. Undergraduate students keep records in log books, log cards, journal & grade book.

Teaching sessions are conducted regularly & CMEs are conducted from time to time for general physicians and the public.

RESEARCH

The department is also involved in propagating scientific research and publications and actively participate in national and local conferences.

NEUROSURGERY

INTRODUCTION

The Department of Neurosurgery is a state of art department for the surgical and non-surgical evaluation, treatment and training of the full range of adult nervous system diseases. The Neurosurgery Department provides most advance specialized patient care in a compassionate and accommodating manner.

SERVICES

The Neurosurgery department is the busiest and technologically advanced unit with the high patient flow. We have morning, afternoon and evening OPDs with two Neurosurgical operation theaters that are available 24/7. The department has high dependency unit beds and isolation room. There are 8 Neuro- Spinal surgeons in this department, backed by a team of experienced neuroradiologists, intensivist, and neurophysicians. The highly advanced imaging and technical facilities at Liaquat National Hospital allow for a very successful outcome of surgery.

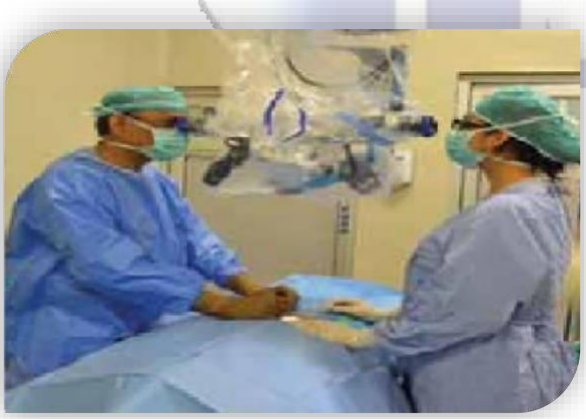
UNDERGRADUATE AND POSTGRADUATE TEACHING

The Department of Neurosurgery has organized various CME's, public awareness programs and cadaver courses on various topics including spine, Image guidance, Endoscopy, Neuro-Anatomy and skull base surgery. We have also organized and conducted more than 250 webinars on operative neurosurgery, basic and advance neurosurgery, Neuro-Endoscopy and Neuro-Anatomy.

We are undertaking undergraduate lectures, tutorials & rotation. We encompass clinical electives for medical students from all over Pakistan to experience and indulge the state of the art facilities neurosurgery offers at LNH&MC. Due to the growing interest of young doctors in neurosurgery, we have established a "Pakistan Neurosurgery Students Society" that provides a platform for medical students to engage with us and stay inspired.

RESEARCH

The Department is involved in research activities. We have publications in renowned neurosurgical journal. Department has separate fund to promote research activities.



OBSTETRICS & GYNECOLOGY

INTRODUCTION

The Obstetrics and Gynecology Department of Liaquat National Hospital accepts all kinds of obstetrical and gynecological emergencies. The department operates on round the clock basis. Its clinical faculty consists of six full time consultants, seven part-time consultants, three postgraduate senior registrars, three senior medical officers, sixteen residents and two medical officers.

All patient care locations are equipped with modern maternal and fetal monitoring facilities. Approximately 2,600 to 2,800 deliveries are conducted annually along with the outpatient workload of 50,000 to 55,000 patients per year.

Sub-specialties of the department include sub fertility, endoscopic surgery, urogynaecology and gynecological oncology.

UNDERGRADUATE TEACHING

Undergraduate teaching is in the form of lectures, tutorials, small group clinical discussion of 3rd year, 4th year & 5th year as per guidelines of PM&DC. Regular assessments of all 3 clinical years are done at the end of posting by theory examination, clinical examination & OSCIE / OSPE. Undergraduate students keep records in log books, log cards, journal & grade book, and participate in small research projects.

RESEARCH

The Department is also active in research & publications.

ACHIEVEMENTS

1. ISO recertification.
2. Establishment of sub-specialties.
3. Publication in International & National Journals.

ONCOLOGY

INTRODUCTION

Welcome to the Oncology Department at Liaquat National Hospital, where we remain committed to providing comprehensive and compassionate care for patients battling cancer. Our multidisciplinary team of experts integrates the latest advances in research, technology, and treatment to deliver personalized care tailored to each patient.

The department is equipped with state-of-the-art facilities and offers effective and structured training programs for undergraduate and postgraduate medical trainees. Medicine residents, interns, and medical students are regularly rotated through the department as part of their clinical training.

CLINICAL SERVICES

The department provides services for cancer management across all major medical and surgical disciplines, including medicine, surgery, gynecology, pediatrics, nephrology, urology, and dermatology. Facilities include general and private wards for admitted patients, as well as day-care units for those receiving chemotherapy.

Our team comprises oncology consultants, senior registrars, registrars, and residents. Tumor Board Meetings are held regularly, where multidisciplinary teams discuss complex cancer cases and finalize individualized treatment plans.

Dedicated Screening OPDs have been launched at the main hospital to facilitate early detection and prevention of cancer. Additionally, regular oncology clinics have been introduced at the hospital's outreach centers, extending specialized cancer care to the community.

ACADEMIC AND TRAINING PROGRAMS

The department maintains an active teaching and training program, offering excellent opportunities for undergraduate and postgraduate students. Regular lectures, tutorials, and small group discussions for 3rd- and 5th-year MBBS students are conducted as per PM&DC guidelines.

Students are encouraged to participate in ward rounds, OPDs, and Tumor Boards to gain hands-on clinical experience. The department also organizes monthly journal clubs and CME activities to ensure continuous learning and updates on the latest oncology practices. The program is recognized by CPSP for postgraduate training in Oncology.

RESEARCH AND INNOVATION

Our department is actively involved in clinical and epidemiological research focused on new treatments and cancer trends in Pakistan. Faculty and students are encouraged to undertake research projects and publish in peer-reviewed journals, contributing to the growing body of oncologic knowledge and evidence-based practice.

PATIENT AWARENESS AND SUPPORT

We believe in empowering patients through knowledge. The Oncology team conducts educational sessions, screening clinics, and counseling for individuals at increased risk of developing cancer. Support is also provided through dedicated Oncology Support Services to address physical, emotional, and psychological needs of patients and their families.

COMMUNITY OUTREACH AND EDUCATION

The department remains deeply committed to community wellness. We conduct educational seminars, awareness drives, and screening programs throughout the year to promote early detection and prevention of cancer.

A major highlight was the Breast Cancer Awareness Campaign held on 2nd October 2025, which brought together general physicians working across the city to encourage awareness, early screening, and timely diagnosis of breast cancer, sometimes through unusual symptoms too.

In addition, a series of Breast Cancer Awareness Sessions and Screening Camps will be conducted at the LNH Outreach Centers, including Shah Faisal and other community branches, during the upcoming year. The oncology clinics are already being conducted in these places. These events will offer free clinical breast examinations, educational talks, and counseling sessions aimed at enhancing public understanding of breast health and encouraging women to seek early evaluation and treatment.

OPTHALMOLOGY (EYE)

INTRODUCTION

Liaquat National Hospital is a leading tertiary care hospital in Karachi & the eye department is already providing tertiary care services to its patients. We have 12 fully trained & qualified consultants who are highly acclaimed glaucoma experts, cornea specialists, retina specialists, Uveitis specialists, Paediatric ophthalmologists, refractive surgeons & oculoplastic surgeons, thus all sub-specialties of eye have been covered.

We utilize modern tools and carry out advanced tests to accurately diagnose and manage a wide array of eye conditions ranging from dry eye, squint, cataracts, and glaucoma to various retinopathies. We have excellent facilities for cataract surgeries & we use all types of IOL's including monofocal, EDOF (Extended Depth of Focus), multifocal, Trifocals. & Toric lenses.

We also provide round the clock emergency cover for all ophthalmological emergencies such as ocular trauma, foreign body removal, blast injuries and red eye. Being a part of a multidisciplinary tertiary care set up, the Department of Ophthalmology works in close collaboration with Neurosurgery, Maxillofacial surgery, ENT and Plastic surgery to give our patients comprehensive care.

Top of the range Operation Theatre with surgical facilities for all advanced Cataract, Glaucoma, Retina and Squint.

UNDERGRADUATE TEACHING

We have established undergraduate teaching program since 2006 when LNH medical college was started. All Consultants are involved in teaching and are not only specialized in their respective fields but also aware of the adult learning principles. Our teaching programs are learning-oriented in which both teachers and students share responsibility in the learning process.

RESEARCH

Our research activities are led by entire Faculty involving Senior Registrar, Trainee Fellow, Residents and students. We collaborate with other departments of the Hospital on some research projects using a multidisciplinary approach.

ACHIEVEMENTS

To our credit we have 25 FCPS, 10 FRCS and 14 MCPS postgraduates. We are also recognized for post fellowship in retina.

ORTHOPAEDIC SURGERY

INTRODUCTION

The Department of Orthopaedic Surgery at Liaquat National Hospital & Medical College (LNH&MC) is a recognised centre of excellence, delivering comprehensive academic, clinical, and research services across the full spectrum of musculoskeletal care. Since its establishment, the department has provided compassionate and skilled orthopaedic treatment for all skeletal conditions, from acute trauma to complex reconstructive and oncological surgery. Guided by an experienced and internationally accomplished faculty, the department has made substantial contributions to orthopaedic education, evidence-based clinical practice, and scholarly research, strengthening its reputation both nationally and across the region.

Its dedicated trauma team provides round-the-clock management of fractures, dislocations, and soft-tissue injuries presenting to the Accident & Emergency department, while sub-specialty services span joint replacement, sports medicine, paediatric orthopaedics, deformity correction, and musculoskeletal oncology.

CLINICAL SERVICES

The department offers a broad portfolio of specialised services supported by modern surgical technology and a multidisciplinary team:

- **Orthopaedic Trauma Management** — round-the-clock management of all types of fractures, dislocations, and soft-tissue injuries.
- **Joint Replacement Surgery (Arthroplasty)** — primary and revision knee, hip, and shoulder replacement, including complex revision arthroplasty.
- **Sports Medicine & Arthroscopy** — diagnostic and therapeutic arthroscopy for knee and shoulder conditions, with dedicated management of sporting injuries.
- **Reconstructive Surgery** — reconstruction of fractures, deformities, and surgical complications, including pelvic and acetabular surgery, Ilizarov techniques, and limb deformity correction.
- **Orthopaedic Oncology** — musculoskeletal oncology and limb-salvage surgery for benign and malignant tumours of bone and soft tissue, delivered through a dedicated Bone and Soft Tissue Tumours Clinic.
- **Paediatric Orthopaedics** — corrective surgery for congenital and acquired bone deformities in children.

ACADEMIC & TRAINING PROGRAMMES

Education and training form the foundation of the department's mission. Undergraduate medical students, beginning from their third year, rotate through the department as an integral part of their clinical training. During this tenure, students gain structured exposure to outpatient clinics, the operating theatre, and inpatient ward management. They also participate actively in academic ward meetings, case presentations, and departmental discussions held throughout the week, ensuring a holistic and well-rounded educational experience.

At the postgraduate level, the department's Orthopaedic Surgery residency programme is accredited by the College of Physicians and Surgeons Pakistan (CPSP) and fulfils all criteria and surgical exposure required for graduates to sit the FCPS examination. Beyond residency, the department is distinguished by offering four prestigious post-fellowship training opportunities:

- Pakistan Arthroplasty Society Lower Limb Arthroplasty Fellowship
- Pakistan Orthopaedic Association Lower Limb Arthroplasty Fellowship
- Pakistan Orthopaedic Association Trauma Fellowship
- Pelvic and Acetabular Surgery Fellowship

The department also welcomes national and international electives and observership candidates, reflecting its standing as a sought-after training destination

RESEARCH & PUBLICATIONS

Research is a cornerstone of the department's academic culture, with trainees actively engaged in ongoing projects throughout their orthopaedic rotation. Faculty research is regularly published in leading peer-reviewed orthopaedic journals and presented at national and international platforms, contributing meaningfully to the global body of orthopaedic literature. Representative research initiatives currently in progress include:

- Custom Triflange Acetabular Components with dual mobility liners for extreme acetabular bone loss in revision hip arthroplasty: The first reported case series from South Asia.
- Pain Score after fascia Iliaca Compartment Block for Acute PAIN Management in Hip Fractures at Tertiary Care Hospital.
- Functional outcome of arthroscopic sub-acromial decompression in shoulder impingement syndrome.
- Comparative analysis of early functional outcomes in operative vs non-operative treatment of displaced intra-articular calcaneal fractures: a prospective study.
- Evaluation of clinical outcomes after tension band wiring for transverse fractures of the patella
- Evaluating The Functional Recovery Of Humeral Shaft Fractures In Adults Treated With Closed Interlocking Nails.
- Anterior-To-Posterior Screw Fixation Vs Posterolateral Plate for Posterior Malleolus In Trimalleolar Ankle Fractures.
- Can artificial intelligence change the face of orthopaedic surgery? Current and future concepts.
- Revisiting the gold standard: Why two-stage revision THA remains relevant for Hip PJI-A 10-year experience with excellent infection-free survival.
- Fix and replace: outcomes and survivorship of acute total Hip arthroplasty and open reduction and internal fixation in acetabular fractures.

WORKSHOPS, SYMPOSIA & ACADEMIC EVENTS

The department is renowned for organising specialised workshops and academic events throughout the year, many featuring distinguished national and international faculty. Hands-on cadaveric and simulation-based training, together with interactive case-based learning, form the core of these activities. Regular workshops and symposia include:

- Knee and Hip Arthroplasty — primary and revision techniques.
- Sports Injury Arthroscopy — knee and shoulder arthroscopic skills.
- Pelvis and Acetabulum, and AO Trauma workshops.
- Musculoskeletal Oncology sessions delivered through the Pakistan Orthopaedic Oncology Forum (POOF), offering cutting-edge training via live surgical demonstrations and expert lectures.

The department also serves as an active academic venue for the wider orthopaedic community. It has hosted sessions of the Pakistan Orthopaedic Association (POA) Monthly Clinical Conference — including the 265th Monthly Clinical Conference held at Liaquat National Hospital in February 2024 — bringing together surgeons from across the country for scholarly exchange and continuing professional development.

DEPARTMENTAL ACHIEVEMENTS

The faculty comprises highly distinguished professionals, several of whom hold prestigious international qualifications such as the FRCS (Trauma & Orthopaedics) and dedicated fellowships in sub-specialties including orthopaedic oncology and arthroplasty. Faculty members have been invited as speakers and trainers at renowned conferences in the USA, Spain, Greece, Turkey, Australia, and other countries, reflecting the department's global footprint and the international regard for its surgical expertise.

Collectively, the faculty's contributions — spanning accredited training programmes, four specialised fellowships, an active research output, and leadership within national orthopaedic bodies — underscore the department's position as one of the leading orthopaedic units in Pakistan.

A Historic Honour for Pakistan:

Prof. Syed Shahid Noor has made history as the first Pakistani Orthopaedic Surgeon to serve as President of the Asia Pacific Orthopaedic Association (APOA).

A landmark achievement bringing honour, pride, and international recognition to Pakistan’s Orthopaedic community and to Liaquat National Hospital and Medical College.

A legacy of excellence, leadership, and inspiration.

PAEDIATRIC MEDICINE

INTRODUCTION

The Department of Pediatrics at LNH&MC is primarily dedicated to deliver the quality healthcare to children and to train competent, compassionate and caring doctors through excellence in teaching, patient care and medical research.

SERVICES

The Pediatric Department consist medical & surgical ward, pediatric cardiology ward and HDU.NICU, PICU, medical & surgical HDUs and ER. The services are provided round the clock to a wide variety of patients. The current Paediatric unit provides a range of sub-specialty services to the patients. Along with general

Paediatric other specialized services include:

- Paediatric Cardiology
- Neonatology
- Paediatric Intensive care
- Paediatric Infectious Diseases
- Paediatric Metabolic Diseases
- Paediatric Neurology
- Paediatric Surgery

The Department is supported by an efficient Lab Service and a well-equipped Radiology Department which help in early diagnosis and professional management of patients which is our prime goal.

UNDERGRADUATE / POST GRADUATE TRAININGS

- The hospital provides Under & Post graduate training for students in the form of well-structured teaching program.
- Under graduate Students rotate on scheduled rotations in all the Paediatric clinical areas.
- CPSP approved fellowships program.
- General Paediatric medicine.
- Sub-specialty Paediatric Cardiology , Paediatric intensive care & Paediatric Neurology.

RESEARCH ACTIVITIES

- Department facilitates undergraduate and postgraduate trainees under the supervision of faculty members to both undergraduate and postgraduate trainees.
- Department of Paediatric medicine has published more than 100 research papers in different well know journals at national and international levels.

ACHIEVEMENTS

Department of Paediatric medicine is constantly participating in continuing medical education therefore we do engage undergraduate, postgraduate student to speared awareness regarding:

- Common Paediatric illness
- In collaboration with PPA, WHO & UNICEF have arranged multiple sessions to achieve the goals
- to develop healthy community
- Multiple CME have been arranged regarding;
- Polio eradication programme
- Newly launched HPV vaccine
- Breastfeeding awareness program
- Department of Paediatric medicine actively participate to train HCP's for AHA certified NRP and PALS.

PAEDIATRIC CARDIOLOGY

INTRODUCTION

The Paediatric Cardiology Service at Liaquat National Hospital & Medical College (LNH&MC) is dedicated to provide quality and State of Art cardiac care to children and adolescents with heart disease. The Service is committed to training of competent, compassionate and caring doctors. This is achieved through excellence in teaching, patient care and medical research.

SCOPE OF SERVICES

The Paediatric Cardiology Service provides care to all children and adolescents with heart disease. The service works in coordination with the Departments of Paediatric Medicine, Pediatric Cardiac Surgery, Adult Cardiology, and other relevant hospital services for comprehensive assessment and management of Paediatric cardiac patients.

Specialized services include

1. In-patient care, Out-patient care and emergency care to all neonates, children and adolescents with heart disease
2. Non-invasive cardiac investigations such as transthoracic, fetal & transesophageal echocardiography, Holter test, ambulatory BP monitoring and Head up Tilt Table test
3. Invasive cardiac procedures such as diagnostic cardiac catheterization, interventional procedures{balloon atrial septostomy, device closure of ASD, VSD, PDA, vessels stenting (PDA, Coarctation), valvuloplasty, angioplasty} and transvenous temporary pacemaker implantation and pericardiocentesis
4. Counseling on cardiovascular disease
5. Pre and post- operative cardiac assessment for closed and open heart surgery for simple congenital heart diseases (PDA ligation, coarctation repair, BT shunt, ASD and VSD closure, TOF repair, bidirectional Glenn shunt)
6. Advocacy role for issues related to congenital and acquired heart disease
7. Training of undergraduate, postgraduate medical students and fellows in Pediatric and Adult cardiology
8. The department also trains technicians, nurses and other paramedics in general Paediatric cardiology and related procedures
9. Research and scholarship are additional goals of the department

GOALS AND OBJECTIVES OF THE UNDERGRADUATE ROTATION

The goal of this clinical rotation is to provide exposure to Pediatric Cardiology commensurate with the clinical requirement of Medical Students by JSMU.

1. Should have the knowledge of basics of congenital and acquired heart diseases in children
2. Should be able to elicit history in children with cardiac disease
3. Should be able to perform clinical examination, both general cardiac and precordial examination with special emphasis on interpretation of clinical findings.

4. Should be able to form a diagnosis and differential diagnosis
5. Should have the basic knowledge of management of these patients: Medical and Surgical
6. Should learn how to counsel an family with a child with heart disease

DESCRIPTION OF ACTIVITIES DURING ROTATION

Clinical

Outpatient clinics as scheduled and ambulatory Pediatric Cardiology are part of the rotation. Students are also made to rotate in the echocardiography department. The Student is expected to bring the requisite equipment/tools to the clinics.

Academic

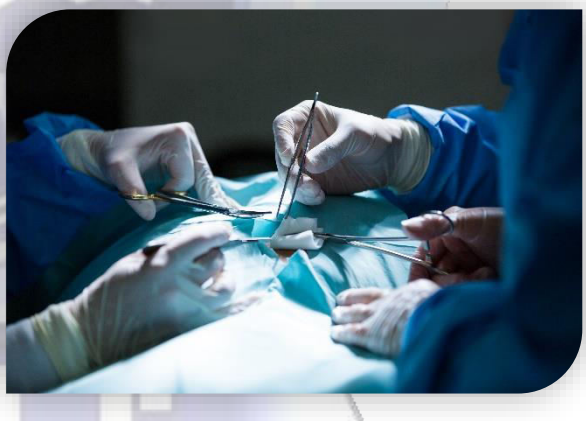
Topic discussion and didactic teaching is done according to the syllabus laid down by the (JSMU).

Research

The department is involved in research activities.

EVALUATION OF STUDENTS

Evaluation will be an integral part of this rotation which will give a chance of improvement to the student. This is done on the log book maintained by the student, which in accordance with their requirement by the Liaquat National Medical College and JSMU.



PAEDIATRIC SURGERY

INTRODUCTION

Liaquat National Hospital and Medical College established its Pediatric Surgical Services 28 years ago—a major milestone in the history of this six-decade-old institution. Over the years, the unit has grown into one of the city's most active pediatric surgical centers. Today, it provides high-quality care not only to local patients across the metropolis, but also to children arriving from across the country and around the globe.

SERVICES

Led by a team of three qualified full time surgeons and one part time faculty. The Department of Pediatric Surgery features a dedicated inpatient ward alongside integrated access to specialized Neonatal and Pediatric Intensive Care Units (NICU/PICU) for critically ill patients. Performing over 2,000 surgical procedures annually, the department delivers comprehensive care across a broad spectrum of complex pediatric conditions, including repair of congenital anomalies, urological and gastrointestinal reconstructions, genital surgeries, and pediatric surgical oncology. The department is fully equipped with advanced endoscopic, thoracoscopic, and laparoscopic surgical facilities, enabling minimally invasive procedures for pediatric patients along with conventional open surgeries.

UNDERGRADUATE / POSTGRADUATE TEACHING

The department provides comprehensive training for its postgraduate trainees, houseofficers and medical students through structured teaching sessions, journal clubs, and M&M meetings including its annual, BAPES-accredited Pediatric Laparoscopic Workshop. To further enhance international exposure, the department is actively establishing training linkages with UK-based institutions. On the clinical front, the addition of a pediatric urology specialist has enabled four weekly Pediatric Urology & Nephrology sessions alongside a dedicated Pediatric Stone Management Clinic focused on advanced endoscopic treatments and pediatric stone prevention.

RESEARCH

Under faculty supervision, residents actively engage in clinical research and encourage medical students to do the same, fostering a strong academic culture that leads to regular publications in reputable peer-reviewed journals.

PLASTIC & RECONSTRUCTIVE SURGERY

INTRODUCTION

The Department of Plastic & Reconstructive Surgery at Liaquat National Hospital & Medical College (LNH&MC) is one of the oldest and well-established plastic surgery departments in Pakistan. The department has a highly experienced faculty comprising five full-time plastic surgeons and provides comprehensive services encompassing reconstructive, microsurgical, aesthetic, and emergency plastic surgery.

CLINICAL SERVICES

The department provides 24-hour emergency plastic surgery services, offering specialized care for burns, hand injuries, gunshot wounds, road traffic accidents, blast injuries, facial trauma, soft-tissue injuries, and other complex traumatic conditions.

A comprehensive range of reconstructive plastic surgery services is available, including management of congenital anomalies, head and neck cancer reconstruction, upper and lower limb trauma, peripheral nerve injuries and nerve transfers, diabetic foot problems, chronic and complex wounds, and a broad spectrum of hand conditions.

The department also provides advanced microsurgical and reconstructive procedures, including microvascular free tissue transfer, limb salvage, replantation and revascularization procedures, and reconstruction of complex defects.

A wide range of aesthetic and cosmetic procedures is routinely performed, including liposuction, abdominoplasty, facelift, rhinoplasty, otoplasty, blepharoplasty, fat grafting, Botox injections, and dermal fillers. Hair transplantation and platelet-rich plasma (PRP) procedures are also offered.

The department has additionally developed specialized services for the management of lymphedema, including advanced physiological lymphatic procedures such as **lymphovenous anastomosis (LVA)** and **vascularized lymph node transfer (VLNT).**

INPATIENT AND OPERATING FACILITIES

The Plastic Surgery Ward is located on the first floor of the hospital and is fully air-conditioned. It provides private and semi-private rooms together with a well-equipped **High Dependency Unit (HDU)** for patients requiring close monitoring and specialized postoperative care. Dedicated facilities are available for dressings and wound management of burn, trauma, and complex wound patients. Intensive Care Unit (ICU) support is readily available when required. The department has access to modern, well-equipped operating theatres with facilities for complex reconstructive, microsurgical, aesthetic, and emergency procedures.

UNDERGRADUATE / POSTGRADUATE TEACHING

The department is actively involved in undergraduate and postgraduate medical education. Undergraduate students are encouraged to participate in outpatient clinics, operating theatre activities, clinical teaching sessions, and ward rounds to gain exposure to the diverse spectrum of plastic and reconstructive surgery.

In addition to students of Liaquat National Hospital & Medical College, the department regularly accommodates medical students and trainees from other public and private medical colleges for 2–4week clinical attachments.

The department maintains an active and structured postgraduate teaching program incorporating clinical teaching, operative training, academic sessions, case discussions, journal clubs, research activities, and regular assessment of trainees.

POSTGRADUATE TRAINING

The department has a fully accredited postgraduate training program under the **College of Physicians and Surgeons Pakistan (CPSP)**. It is recognized as a highly sought-after training center in Plastic Surgery, providing residents with extensive exposure to reconstructive surgery, trauma, hand surgery, burns, microsurgery, aesthetic surgery, and other subspecialties.

Graduates of the department have gone on to provide specialist plastic surgical services at institutions both within Pakistan and internationally.

ACADEMIC & PROFESSIONAL ACHIEVEMENTS

The department has a strong tradition of academic and professional development. It regularly organizes educational activities, workshops, scientific meetings, and Plastic Surgery programs at local, national, and international levels.

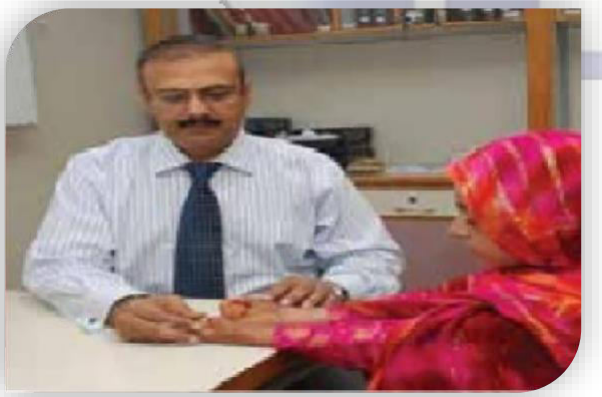
Faculty members and trainees actively participate in scientific meetings and professional conferences and contribute to the advancement of Plastic Surgery through teaching, training, research, and innovation.

The department regularly undertakes research projects and has numerous publications in peer-reviewed national and international journals.

The department has also contributed to the development of advanced microsurgical and lymphatic surgery in Pakistan, including the establishment of specialized lymphedema surgical services and the organization of academic and training activities in lymphatic surgery and supermicrosurgery.

OUR COMMITMENT

The Department of Plastic & Reconstructive Surgery at LNH&MC remains committed to providing safe, evidence-based, patient-centered care, while advancing the specialty through education, research, innovation, and the training of future generations of plastic surgeons.



PSYCHIATRY

INTRODUCTION

Psychiatry is a well-established specialty of medicine. The Department of Psychiatry at LNH is committed to evidence based developments in this area and provide our patients with state of art psychiatric care. The Department is headed by Associate Professor Dr. Iqtidar Taufiq. His team comprises of Assistant Professor Dr. Natasha K. Billia, three full-time clinical psychologists, and five FCPS postgraduate trainees.

SERVICES

Services include out-patient clinics, Child and Adolescent Guidance Clinic, Psychological Services (Psychometric Testing, Psychotherapy, IQ Testing), and Executive Counseling Services (Marital Counseling, Family Counseling, Career Counseling), ECT (Electro Convulsing Therapy). Stress management clinic, Drug addiction clinic, postpartum depression clinic and Occupational Therapy clinic).

In-patient Services includes Psychiatric Ward with additional patients being admitted in the General, Special and Executive wards. Our main aim is to rehabilitate the patients as early as possible.

UNDERGRADUATE / POSTGRADUATE TEACHING

LNH Psychiatry Department is recognized by the College of Physicians and Surgeons for postgraduate training for FCPS. Undergraduate and postgraduate teaching activities include case conferences, journal club, seminars, undergraduate classes and clinical training. Department of Psychiatry also contributes regularly to CME.

RESEARCH

The Department is also actively involved in conducting clinical researches in order to provide better awareness regarding mental health illnesses.

PULMUNOLOGY & CRITICAL CARE

INTRODUCTION

The Department of Pulmonary Medicine at Liaquat National Hospital, established 45 years ago, has long served patients from all over Pakistan. As a pioneer unit established in the private sector in the city of Karachi, it provides comprehensive diagnostic and therapeutic services for patients with illness that affect the lungs and breathing. Well qualified and trained physicians provide care for a range of common and rare respiratory conditions.

SERVICES

The Department has morning, afternoon and evening clinics. The Inpatient Unit/Chest Medicine Unit comprises 25 beds including a fully equipped, 7 bedded ICU (2 isolation beds with –ve pressure) 7 mechanical ventilator and 10 Noninvasive mechanical ventilators (BiPAP & CPAP), 5 bedded HDU and 13 bedded ward with backup of arterial blood gases analyzer and ECG. Bedside diagnostic and therapeutic procedures like Fiber optic bronchoscopy (FOB), Bronchoalveolar Lavage (BAL), central line placement, bedside ultrasound and ECHO cardiogram are performed as required. Ancillary Services include:

- Limited Sleep Study
- Pulmonary function testing
- Bedside fiber optic bronchoscopy
- Transthoracic needle aspirations
- Chest tube insertions and pleurodesis
- Pleural biopsy

UNDERGRADUATE TEACHING

Students of final year rotate in the department and are provided extensive bedside teaching.

RESEARCH

The Department is involved in research activities. It encourages students to publish research articles in peer reviewed journals.

RADIOLOGY

INTRODUCTION

The department of Radiology and Imaging is at the forefront of innovation and advancement providing premium quality imaging services to the patients.

SERVICES

The Department pioneered the era of high tech imaging by being the first hospital in the country to introduce CT imaging in the year 1984.Now the department has two CT multi- slice scanners (32 and 128 slicers), two 1.5 Tesla MR Scanners, Mammography and bi-planner Angiography.

The Radiology department offers a wide range of non-invasive and interventional radiological services.

- X-Rays, All kind of plain x-rays, fluoroscopy and contrast studies.
- DEXA Scan. (for bone density)
- Ultrasound, All kinds of ultrasounds including whole Body Doppler scans.
- CT scan along with CT Angiography.
- MRI along with MR Angiography and MR spectroscopy.
- Vascular and interventional radiology including angiography and angio- guided embolization.
- Ultrasound and CT guided procedures including all kind of biopsies and drainage procedures.
- Breast interventions including breast and axillary biopsies and interventional clipping.
- Nuclear Medicine tests.
- Radio frequency ablation to treat tumors.
- Stroke Imaging and its management.

UNDER & POST GRADUATE TEACHING AND TRAINING

The Department has a regular training and teaching programme for undergraduate students and postgraduate trainees. It is actively involved in workshops such as hands on training on Carotid Doppler ultrasound and ultrasound guided interventions.

RESEARCH

Faculty and resident participate actively in paper presentations and the department inculcates the importance of research in students and trainees.

RESEARCH & SKILLS DEVELOPMENT CENTRE

INTRODUCTION:

Established in 1996 as Pakistan's first Skills Lab, the **Research and Skills Development Centre** has gradually evolved into the distinguished place for clinical skills hand-on and professional development. The Lab achieved a significant milestone in **2004** by becoming an independent department with its dedicated staff and budget, enabling to expand its role in developing the professional skills of students and healthcare professionals. The facility underwent a major expansion in **2012** and relocated to a purpose-built Clinical Simulation Amenity. The significantly larger, state-of-the-art centre now offers customized training programs designed to meet the diverse learning needs of participants in a modern and immersive educational environment.

Supported by a full time team of certified instructors, RSDC also collaborates with external academic institutions and healthcare organizations to deliver high-quality trainings. Through its advanced resources and tailored educational programs, the Centre provides comprehensively hands-on learning experiences that enhance clinical competence and support excellence in healthcare education.

UNDERGRADUATE TRAININGS:

RSDC conducts the Modular Skills Program for students across all academic years at LNMC. The program is designed to equip students with the confidence and competence to perform essential clinical skills by providing structured curriculum. Skills sessions are integrated with the Foundation, Locomotor, Respiratory, Cardiovascular, Urinary, Reproductive, Gastrointestinal, Neurosciences, Blood, Endocrinology, Infectious Diseases, Ortho & Rehabilitation Modules, ensuring progressive development of clinical competencies throughout the MBBS program. Each training session is conducted using specialized mannequins and simulation models, allowing students to gain hands-on experience in a safe, controlled, and supportive learning environment before applying these skills in clinical practice.

In addition to this, the RSDC Instructors also serve as examiners in the Objective Structured Practical Examination (OSPE) for LNMC students, assessing their proficiency in performing essential clinical procedures. The Centre also caters as a key hub for specialized training of final-year MBBS students, offering Mandatory Skills Workshop and the Trauma Evaluation and Management (TEAM) Course that ensures acquiring of essential competencies by graduating students before entering into their professional practice.

ACHIEVEMENTS:

The **Centre** remarkably earned accreditation in 2018 from the 'American Heart Association' (AHA) as their International Training Centre for the Disciplines of 'Basic Life Support', 'Advanced Cardiovascular Life Support', 'Advanced Cardiovascular Life Support for Experienced Provider' and 'Heartsaver' courses. It also became the pioneer for delivering the accredited 'Trauma Evaluation and Management' Courses since **2018** (32 in total by the end of 2026) through 'American College of Surgeons' by their senior Faculty. Year **2023** brought the additional programs of 'Pediatric Advanced Life Support' and 'Pediatric Emergency Assessment, Recognition and Stabilization' through AHA. Further expanding its portfolio, RSDC got the first and only authorization in Pakistan for offering the 'Neonatal Resuscitation Program' since **2024**.

Under a formal agreement with 'Primary Trauma Care Foundation', RSDC organized the trainings of 'Primary Trauma Care', 'Hospital Preparedness for Emergencies & Disaster' and 'Mass Casualty Management'; collectively training approx. 650 candidates for a dozen institutes across cities. The Centre also provides hands-on experiences of 'Evacuation Drills' and 'Fire Safety' catering the need during disasters. Looking ahead, RSDC involves in launching the 'Advanced Stroke Life Support' through AHA in Pakistan which is a very recent discipline worldly.

RSDC continued to set up the workshops during International Conferences across all clinical specialties and Advanced Skills sessions with Interdepartmental collaborations further strengthening the credibility of the centre.

RHEUMATOLOGY

INTRODUCTION

The Department of Rheumatology at Liaquat National Hospital (LNH) is a leading tertiary care center providing comprehensive, evidence-based care aligned with international best practices. Our multidisciplinary team of four consultant rheumatologists is committed to excellence in patient care, education, and research.

CLINICAL SERVICES

The department manages more than 28,000 patients annually through comprehensive outpatient, inpatient, and specialized rheumatology services. Dedicated clinics include Inflammatory Arthritis, Metabolic Bone Disease, Pediatric Rheumatology, Clinical Immunology & Allergy, Senior Citizen, and Executive Clinics.

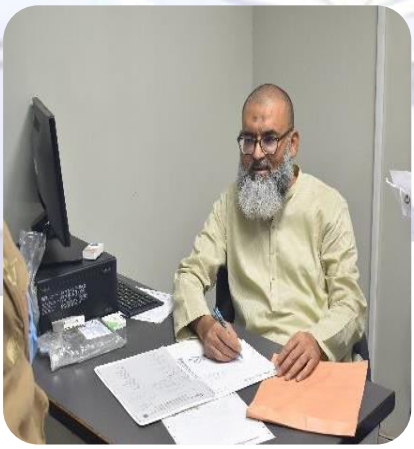
Our department is home to Sindh's only uniquely operated crystal identification lab within our department. Additionally, our department features a specialized procedure room for intra-articular and soft tissue injections, maintaining a negligible procedure-related infection rate according to our records.

EDUCATION & RESEARCH ACTIVITIES

As an academic department, we provide structured undergraduate and postgraduate / fellowship training through lectures, bedside teaching, clinical mentorship, and accredited fellowship programs. Faculty and trainees actively contribute to peer-reviewed publications and regularly present research at national and international scientific meetings.

RECOGNITION / ACHIEVEMENTS

The Department of Rheumatology is proud to be the first unit in Sindh accredited by the College of Physicians and Surgeons Pakistan (CPSP) for Post-Fellowship Training in Rheumatology. Our graduates have progressed to leadership roles in clinical practice and medical education across Pakistan and internationally, reflecting the strength of our training program and our commitment to advancing rheumatology services.



THORACIC SURGERY

INTRODUCTION

The Department offers a very high standard of diagnostic and therapeutic facilities. It is recognized as one of the premier centers for treatment of Thoracic surgery diseases and ailments in the city. All types of adult and pediatric Thoracic surgery procedures are performed here. The department has performed a large number of complicated and complex chest operations. On an average over 500 procedures are performed annually.

SERVICES

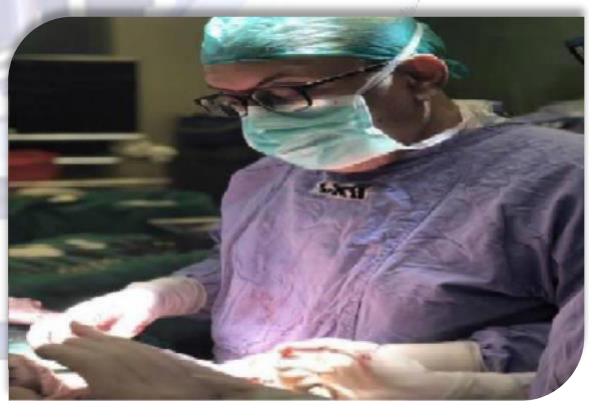
This unit is a very safe place for all types of Thoracic Surgery procedures. All types of Pulmonary and Oesophageal surgery including minimally invasive surgery of lung (VATS) and Oesophagus is performed here and diagnostic procedures like Bronchoscopy, Mediastinoscopy and Mediastinotomy.

UNDERGRADUATE AND POSTGRADUATE TEACHING

The department is recognized for training by the College of Physician and Surgeons Pakistan (CPSP) for FCPS in Thoracic Surgery. The students of LNMC rotate through this department as well. During their stay along with bed side teaching, they are encouraged to attend OT to witness Lung Resection operations and other surgeries like Mediastinoscopy, Mediastinotomy and Video Assisted Thoracoscopic Surgery.

RESEARCH

The department encourages research and has published various papers in PMDC recognized journals.



UROLOGY

INTRODUCTION

The Department of Urology LNH&MC is one of the leading urological centers of Pakistan and is fully staffed with full-time consultants, part-time consultants, senior registrars, postgraduate residents and Interns.

SERVICES

The Department provides quality surgical and medical care in all specialties of urology including Minimal invasive Surgery, Endoscopic Urology which includes, URS and RIRS. Urological Oncology, Pediatric Urology, Male and Female Genital Re-constructive surgery, Andrology and Day Care Urology.

The Department is equipped with modern technology and skills. There is a well-established urodynamic evaluation facility in the department used for the evaluation and management of patients with BPH, neurogenic bladders, Overactive bladder and incontinence. Day care urological procedures are carried out using flexible fiber optic and rigid endoscopes. The department also has a well-equipped lithotripsy department for stone management.

Laser surgery is also offered and is an excellent mode of treatment for BPH, bladder tumors, Strictures and stones.

Recently, besides TURP as a recognized surgical treatment for enlarged symptomatic prostate, we have also added RESUM to our services. This is a new method of prostate surgery, which is safe and can be done even as a daycare.

Specialized investigations and procedures are also performed for male sexual problems of erectile dysfunction and infertility. Surgery for Erectile dysfunction like penile implants are also performed in our department.

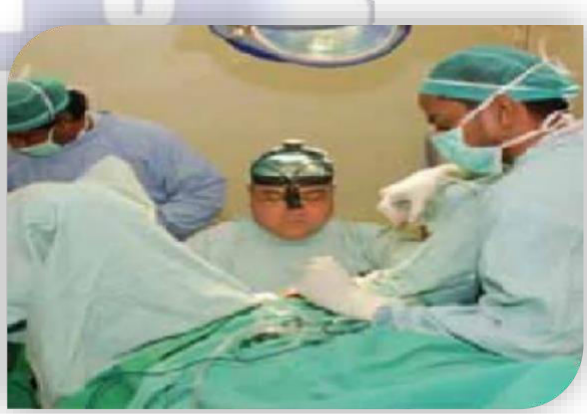
The highly advanced body imaging facilities at LNH&MC assist in accurately evaluating urological problems. More than 2800 urological procedures are undertaken every year by the department and in excess of 25,000 consultations are performed in the outpatient clinic every year.

UNDERGRADUATE TEACHING

The Department offers an active urology training program and provides excellent training facilities for undergraduate students and postgraduate trainees.

RESEARCH

The Department encourages research and publication and is one of the most active departments in this area and provides continuous research opportunities.



VASCULAR SURGERY

INTRODUCTION

Vascular Surgery is a relatively new and rare specialty in our country and the Department of Vascular Surgery at Liaquat National Hospital and Medical College is one of its kinds in the private sector.

The Department is now more than 20 years old and provides a full range of vascular services to the community round the clock. Vascular team comprises of well trained & experienced faculty members, working under the supervision of Professor Dr. Kamal M. Yousuf, the Head of Department. A recent addition to a unit is of a female vascular surgeon, keeping in view the need of female patients preferring consultation from female Vascular Surgeon.

SERVICES

The Department of Vascular Surgery at Liaquat National Hospital is advancing day by day and is providing skilled, dedicated and devoted services. This not only includes 24/7 emergency services in case of trauma including gunshots and road traffic accidents but also provides following common treatment services.

- Varicose Vein Sclerotherapy
- Endo venous Laser Ablation for Varicose Vein
- Varicose Vein Open Surgery
- Surgery for Hemangiomas / Venous/Arterio-Venous Malformations / Complex Congenital Vascular Malformation
- Carotid Endarterectomy
- Carotid Body Tumor Excision
- Paragangliomas Excision
- Management of Acute Limb Ischemia & Compartment syndrome
- Embolectomy
- Management of Vascular Trauma (Firearm & Bomb blast injuries, and Road Traffic Accidents)
- Treatment of Abdominal Aortic Aneurysm
- Treatment of Visceral and Peripheral Arterial Aneurysms
- Management of Acute and Chronic Arterial Insufficiency
- Angio access management (including Arterio-Venous Fistula Creation, also with PTEFE Graft)
- Management of Venous Thromboembolism
- Management of traumatic Arterio-Venous fistulas and pseudoaneurysm
- Management of Diabetic Foot
- Management of Thoracic Outlet Syndrome (arterial / neurological / venous)
- Management of MALS (Median Arcuate Ligament Syndrome)

Moreover, complex procedures including repair of complicated (leaking or ruptured) Abdominal Aortic Aneurysm and visceral or peripheral aneurysms are also performed and managed. Department of Vascular surgery is also paving its way in field of endovascular procedures.

UNDERGRADUATE TEACHING

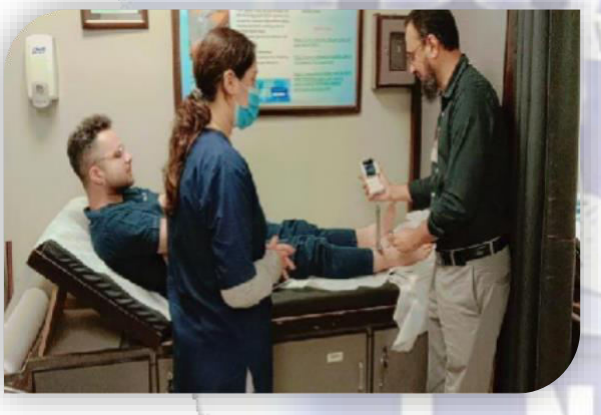
The Department has a comprehensive teaching programme for undergraduate and postgraduate students, keeping in view the needs of our society. The students are taught about wide variety of vascular related problems, and the topics are discussed in form of lectures, in clinics and bed-side rounds. Elective students are encouraged and given opportunity to get vascular surgery exposure.

RESEARCH

The Department is actively involved in research activities, geared towards meaningful and scientifically sound publications and we now have around 10 publications on common and rare vascular diseases, in renowned journals. Case reports on rarely seen clinical scenarios are also published. Publications on some recent treatment strategies are in process.

FUTURE PLANS:

With the advancement of technology, Vascular Surgery has also adopted newer ways of treatment which would benefit the society and department in long-run with the aim of minimally invasive but effective treatment for the patients. Therefore, we have frequently started performing minimally invasive procedures (RFA , EVLA, FLEBOgrif) for Varicose Vein along with complex endovascular procedures for arterial and venous pathologies. Furthermore, we are working towards establishing a fellowship programme in Vascular Surgery which will be recognized by CPSP, and we are hopeful for inducting Vascular Surgery fellows soon.



FACULTY LIST

S#	Name	Designation	Department
1	Prof. Dr. Karimullah Makki	Principal	Medical College
2	Dr. Shaesta Tabassum	Assistant Professor & HOD	Accident & Emergency
3	Dr. Syed Muhammad Nadeem	Assistant Professor & HOD	Anaesthesiology
4	Prof. Dr. Muhammad Sirajuddin	Professor	Anaesthesiology
5	Prof. Dr. Nighat Abbas	Professor	Anaesthesiology
6	Dr. Syed Muhammad Nadeem Naqvi	Associate Professor	Anaesthesiology
7	Dr. Muhammad Amim Anwar	Assistant Professor	Anaesthesiology
8	Dr. Arif Ifthikhar Mallhi	Assistant Professor	Anaesthesiology
9	Dr. Sarosh Rifaqat Sher	Assistant Professor	Anaesthesiology
10	Dr. Ali Asgher	Assistant Professor	Anaesthesiology
11	Dr. Aqil Qayoom	Assistant Professor	Anaesthesiology
12	Dr. Muhammad Arshed	Assistant Professor	Anaesthesiology
13	Prof. Dr. Zia Ul Islam	Professor & HOD	Anatomy
14	Prof. Dr. Saima Athar	Professor	Anatomy
15	Dr. Fatima Rehman	Associate Professor	Anatomy
16	Dr. Lubna Faisal	Assistant Professor	Anatomy
17	Prof. Dr. Faiza Waseem	Professor & HOD	Biochemistry
18	Dr. Amina Raza	Assistant Professor	Biochemistry
19	Dr. Faiza Agha	Assistant Professor	Biochemistry
20	Prof. Dr. Rufina Soomro	Professor & HOD	Breast Surgery
21	Dr. Rabia Niaz Chohan	Assistant Professor	Breast Surgery
22	Dr. Sabiha Rizwan	Assistant Professor	Breast Surgery
23	Prof. Dr. Tariq Azam Siddiqi	Professor & HOD	Cardiac Surgery
24	Dr. Mohammad Qaiser Aziz Khan	Assistant Professor	Cardiac Surgery
25	Dr. Hafeez Ahmed	Associate Professor & HOD	Cardiology
26	Prof. Dr. Syed Ishtiaq Rasool	Professor	Cardiology
27	Dr. Faisal Ahmed	Assistant Professor	Cardiology
28	Dr. Najia Aslam Soomro	Assistant Professor	Cardiology
29	Dr. Kaleemullah Shaikh	Assistant Professor	Cardiology
30	Dr. Imran Khan Sandeelo	Assistant Professor	Cardiology
31	Dr. Abeer Sarfaraz	Assistant Professor	Cardiology

FACULTY LIST

S#	Name	Designation	Department
32	Prof. Dr. Syed Ali Arsalan	Professor & HOD	Chest Medicine
33	Dr. Zafar Ahmed	Associate Professor	Chest Medicine
34	Dr. Syed Tabish Rehman	Assistant Professor	Chest Medicine
35	Prof. Dr. Saima Zainab	Professor & HOD	Community Medicine
36	Dr. Nimra Akhtar	Assistant Professor	Community Medicine
37	Dr. Umm-E-Rabab	Assistant Professor	Community Medicine
38	Dr. Tauqirul Islam	Associate Professor & HOD	Dental & Maxillofacial Surgery
39	Dr. Sheikh Haroon Shah	Assistant Professor	Dental & Maxillofacial Surgery
40	Dr. Syed Tahir Husain	Assistant Professor	Dental & Maxillofacial Surgery
41	Dr. Syed Hatim Ali Shah	Assistant Professor & HOD	Dermatology
42	Dr. Aqiba Sarfraz	Associate Professor & HOD	Endocrinology
43	Dr. Ali Asghar	Assistant Professor	Endocrinology
44	Dr. Muhammad Owais Rashid	Assistant Professor	Endocrinology
45	Dr. Ahmad Nawaz Ahmad	Associate Professor & HOD	ENT
46	Prof. Dr. Shakil Aqil	Professor	ENT
47	Dr. Saeed Akhtar	Assistant Professor	ENT
48	Dr. Rabeeya Saeed	Assistant Professor & HOD	Family Medicine
49	Dr. Sehrish Habib Memon	Assistant Professor	Family Medicine
50	Prof. Dr. Syed Mukkaram Ali	Professor & HOD	Forensic Medicine
51	Dr. Sadia Abdul Qayyum	Associate Professor	Forensic Medicine
52	Dr. Farzana Azam Khan	Assistant Professor	Forensic Medicine
53	Prof. Dr. Muhammad Mansoor-Ul-Haq	Professor & HOD	Gastroenterology
54	Prof. Dr. Lubna Kamani	Professor	Gastroenterology
55	Dr. Shahid Karim	Associate Professor	Gastroenterology
56	Dr. Sajjad Jamil	Associate Professor	Gastroenterology
57	Dr. Rajesh Kumar Wadhwa	Assistant Professor	Gastroenterology
58	Dr. Baseer Sultan Ahmed	Assistant Professor	Gastroenterology
59	Dr. Pervez Ashraf	Assistant Professor	Gastroenterology
60	Dr. Muhammad Tanweer Khalid	Assistant Professor	Gastroenterology

FACULTY LIST

S#	Name	Designation	Department
61	Prof. Dr. Karimullah Makki	Professor & HOD	General Medicine
62	Prof. Dr. Kamal Ahmed	Professor	General Medicine
63	Dr. Syeda Nosheen Zehra	Associate Professor	General Medicine
64	Dr. Samar Abbas Jaffri	Associate Professor	General Medicine
65	Dr. Shameem Behram Khan	Assistant Professor, Infectious Diseases	General Medicine
66	Dr. Shamim Kausar	Assistant Professor Critical Care Medicine	General Medicine
67	Dr. Zunairah Rais	Assistant Professor	General Medicine
68	Dr. Miray Hasan	Assistant Professor	General Medicine
69	Dr. Sidra Rauf	Assistant Professor	General Medicine
70	Dr. Muhammad Owais Khan	Assistant Professor	General Medicine
71	Dr. Faisal Siddiqi	Associate Professor & HOD	General Surgery
72	Prof. Dr. Muhammad Nadeem Khurshaidi	Professor	General Surgery
73	Prof. Dr. Syed Sheeraz Ur Rehman	Professor	General Surgery
74	Dr. Zahid Habib	Assistant Professor	General Surgery
75	Dr. Mirza Arshad Beg	Assistant Professor	General Surgery
76	Dr. Batool Zehra	Assistant Professor	General Surgery
77	Dr. Aisha Taj	Assistant Professor & HOD	Gynae & Obs
78	Prof. Dr. Kaneez Zehra Naqvi	Professor	Gynae & Obs
79	Dr. Qurat-Ul-Aman Siddiqui	Associate Professor	Gynae & Obs
80	Dr. Uzma Shabab	Assistant Professor	Gynae & Obs
81	Dr. Tahira Yasmeen	Assistant Professor	Gynae & Obs
82	Dr. Maria Jabeen	Assistant Professor	Gynae & Obs
83	Prof. Dr. Sobia Ali	Professor & HOD	Health Professions Education
84	Dr. Afifa Tabassum	Associate Professor	Health Professions Education
85	Dr. Yusra Nasir	Assistant Professor	Health Professions Education
86	Prof. Dr. Kunwer Naveed Mukhtar	Professor & HOD	Nephrology
87	Dr. Naila Asif	Associate Professor	Nephrology
88	Dr. Farzana Adnan	Assistant Professor	Nephrology
89	Dr. Fahad Nasim	Assistant Professor	Nephrology
90	Dr. Syed Ahmed Asif	Assistant Professor & HOD	Nephrology

FACULTY LIST

S#	Name	Designation	Department
91	Dr. Hazim M. Yousuf Brohi	Associate Professor	Neurology
92	Dr. Naveed Uddin Ahmed	Assistant Professor	Neurology
93	Dr. Rajesh Kumar	Assistant Professor	Neurology
94	Dr. Syeda Saba Zaidi	Assistant Professor	Neurology
95	Prof. Dr. Salman Yousuf Sharif	Professor & HOD	Neurosurgery
96	Prof. Dr. Manzar Hussain	Professor	Neurosurgery
97	Dr. Muhammad Aamir Saghir	Associate Professor	Neurosurgery
98	Dr. Saad Akhtar Khan	Assistant Professor	Neurosurgery
99	Dr. Muhammad Yousuf Shaikh	Assistant Professor	Neurosurgery
100	Dr. Muhammad Rafay	Assistant Professor	Neurosurgery
101	Prof. Dr. Naila A. Zahid	Professor & HOD	Oncology
102	Dr. Hira Khan Afridi	Assistant Professor	Oncology
103	Dr. Ataur Rehman	Associate Professor & HOD	Ophthalmology
104	Prof. Dr. Munira Shakir	Professor	Ophthalmology
105	Prof. Dr. Abdul Hameed Siddiqui	Professor	Ophthalmology
106	Prof. Dr. Imran Ghayoor	Professor	Ophthalmology
107	Dr. Shahab Ul Hasan Siddiqui	Assistant Professor	Ophthalmology
108	Dr. Zaheer Sultan	Assistant Professor	Ophthalmology
109	Prof. Dr. Syed Shahid Noor	Professor & HOD	Orthopaedic Surgery
110	Prof. Dr. Zaki Idrees	Professor	Orthopaedic Surgery
111	Dr. Muhammed Asif Peracha	Associate Professor	Orthopaedic Surgery
112	Dr. Muhammad Kazim Rahim	Associate Professor	Orthopaedic Surgery
113	Dr. Muhammad Sufyan	Associate Professor	Orthopaedic Surgery
114	Dr. Nasir Ahmed	Assistant Professor	Orthopaedic Surgery
115	Dr. Khalil Farooque	Assistant Professor	Orthopaedic Surgery
116	Prof. Dr. Mehnaz Atiq Ahmed	Professor & HOD	Paediatric Cardiology
117	Dr. Abdul Ahad	Assistant Professor	Paediatric Cardiology
118	Dr. Atika Sher	Associate Professor & HOD	Paediatric Medicine
119	Prof. Dr. Samina Shamim	Professor	Paediatric Medicine
120	Prof. Dr. Prem Chand	Professor	Paediatric Medicine

FACULTY LIST

S#	Name	Designation	Department
121	Dr. Syed Kashif Zaidi	Associate Professor	Paediatric Medicine
122	Dr. Raman Kumar	Assistant Professor	Paediatric Medicine
123	Dr. Shabbir Ahmed Mallick	Assistant Professor	Paediatric Medicine
124	Dr. Falak Abro	Assistant Professor	Paediatric Medicine
125	Dr. Mehtab Hussain	Assistant Professor	Paediatric Medicine
126	Dr. Hina Yousuf	Assistant Professor & HOD	Paeds Surgery
127	Prof. Dr. Muhammad Arshad	Professor	Paeds Surgery
128	Prof. Dr. Shabbir Hussain	Professor	Paeds Surgery
129	Prof. Dr. Naveen Faridi	Professor & HOD	Pathology
130	Prof. Dr. Syed Muhammad Irfan	Professor	Pathology
131	Prof. Dr. Sana Anwar	Professor	Pathology
132	Prof. Dr. Shaheen Sharafat	Professor	Pathology
133	Dr. Talat Zehra	Associate Professor	Pathology
134	Dr. Amna Khurshid	Associate Professor	Pathology
135	Dr. Humaira Ali	Assistant Professor	Pathology
136	Dr. Asad Abbas Jafri	Assistant Professor	Pathology
137	Dr. Rabia Ali	Assistant Professor	Pathology
138	Dr. Humaira Erum	Assistant Professor	Pathology
139	Dr. Javaria Parwez Ali	Assistant Professor	Pathology
140	Dr. Izza Hussain	Assistant Professor	Pathology
141	Dr. Uzma Saad	Assistant Professor	Pathology
142	Prof. Dr. Tabbasum Zehra	Professor & HOD	Pharmacology
143	Dr. Muhammad Aitmaud Uddolah Khan	Associate Professor	Pharmacology
144	Dr. Fizzah Ali	Assistant Professor	Pharmacology
145	Prof. Dr. Syed Hafeezul Hassan	Professor & HOD	Physiology
146	Prof. Dr. Ahsan Ashfaq	Professor	Physiology
147	Dr. Naila Parveen	Associate Professor	Physiology
148	Dr. Aqsa Jabeen	Assistant Professor	Physiology

FACULTY LIST

S#	Name	Designation	Department
149	Prof. Dr. Mirza Shehab Afzal Beg	Professor & HOD	Plastic Surgery
150	Prof. Dr. Moiz Sadiq	Professor	Plastic Surgery
151	Dr. Afaq Saleem Siddiqui	Assistant Professor	Plastic Surgery
152	Dr. Obaid Ur Rahman	Assistant Professor	Plastic Surgery
153	Dr. Mohammad Shahab Ghani	Assistant Professor	Plastic Surgery
154	Dr. Iqtidar Taufiq	Associate Professor & HOD	Psychiatry
155	Dr. Natasha K. Billia	Assistant Professor	Psychiatry
156	Prof. Dr. Muhamamd Ayub Mansoor	Professor & HOD	Radiology
157	Prof. Dr. Saleha Anwar	Professor	Radiology
158	Prof. Dr. Sadaf Nasir	Professor	Radiology
159	Dr. Bushra Shamim	Associate Professor	Radiology
160	Dr. Muhammad Misbah Tahir	Associate Professor	Radiology
161	Dr. Jawaid Iqbal	Assistant Professor	Radiology
162	Dr. Asif Khan Mateen	Assistant Professor	Radiology
163	Dr. Rizwan Ajmal	Assistant Professor	Radiology
164	Dr. Khalid Mustafa	Assistant Professor	Radiology
165	Dr. Tahira Perveen	Assistant Professor & HOD	Rheumatology
166	Dr. Amir Riaz	Assistant Professor	Rheumatology
167	Dr. Lubna Nazir	Assistant Professor	Rheumatology
168	Dr. Syeda Rida E Zehra	Assistant Professor	Rheumatology
169	Dr. Syed Mahmood Ul Haq	Assistant Professor & HOD	Thoracic Surgery
170	Dr. Aziz Abdullah	Assistant Professor & HOD	Urology
171	Dr. Syed Farhan Ahmed	Associate Professor	Urology
172	Dr. Iqbal Shahzad	Assistant Professor	Urology
173	Dr. Agha Ghulam Mustafa	Assistant Professor	Urology
174	Dr. Shahab Javid	Assistant Professor	Urology
175	Dr. Waqas Ahmed Memon	Assistant Professor	Urology
176	Dr. Muhammad Rashid	Assistant Professor	Urology
177	Prof. Dr. Kamal Muhammad Yousuf	Professor & HOD	Vascular Surgery
178	Dr. Syed Muhammad Hammad Alam	Assistant Professor	Vascular Surgery

Liaquat National Hospital

LIAQUAT NATIONAL HOSPITAL
RELIEVING PAIN, HEALING THE SPIRIT

Liaquat National Hospital was conceived in 1950 by Syed Wajid Ali Shah and his associates and officially inaugurated in 1958 by Naheed Iskander Mirza, wife of President Iskander Mirza. It started with four OPD services and 50 beds and has now grown into one of the biggest private tertiary care centres in Karachi, boasting a bed strength of around 800 beds with diagnostic and treatment facilities in more than 45 medical and surgical specialties.

LNH aims to provide advanced, integrated, and patient-centered health care services at affordable rates. LNH also holds the mantle of being one of the largest training institutes in the private sector with 45 recognized training programs in various clinical and non-clinical departments.

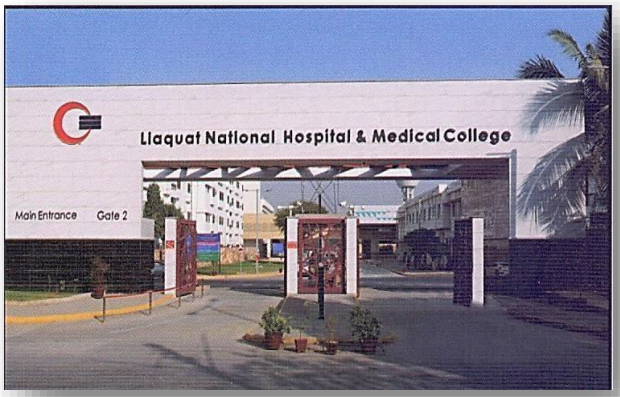
The hospital is equipped with cutting-edge technology to detect, diagnose and deliver top of the line healthcare services. It is widely acclaimed as the "Hospital of Last Resort" both locally and nationally.

LNH has a mammoth annual patient turnover exceeding 1.2 million patients and also undertakes a large number of diagnostics and therapeutic procedures.

Our hospital has multiple state-of-art facilities which include:

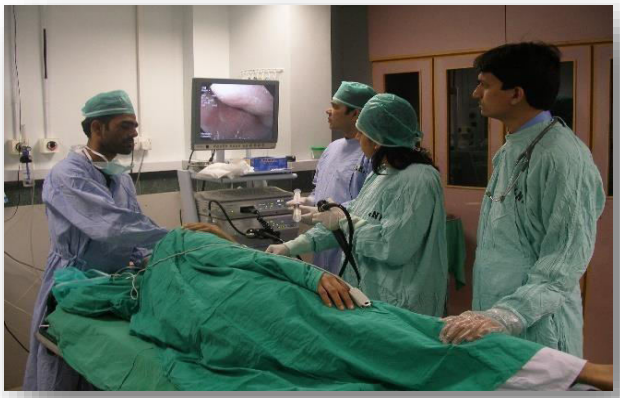
- 24/7 Accident and Emergency services for both adult and Paediatric patients.
- Laboratory, Pharmacy, and Radiology services are available around the clock.
- Bi-planer Angiography unit provides services 24/7
- Continuous availability of VIR (Vascular Interventional Radiology) services.
- Stroke services including TPA (Tissue Plasminogen Activator) and MT (Mechanical Thrombectomy)
- Largest Critical Care service of Pakistan with 89 ICU and 84 high dependency/ step-down beds.
- Blood bank with component separator and other advanced equipment. Blood donation and collection is available 24/7.
- Outreach Medical Services locations in different areas of Karachi.
- A comprehensive Home health service providing high-quality, affordable medical care with consultant's visits within the comfort of home. The facilities include X-ray and Ultrasound at Home, Doctors, Nurse and physiotherapist visit, Home lab sample collection and medicine delivery service at home.
- Child adolescent psychiatry unit.
- Adolescent health services provide specialized care for ages 12–19, covering teen health, puberty, growth and development concerns.
- Patient-centered Occupational and Speech Therapy services use an interdisciplinary approach to take care of the patients for the purpose of promoting independence, maximizing function and initiating their rehab to provide the continuum of care.
- Paeds development unit working for children's rehabilitation and development.
- Orthotic and prosthetic appliances production unit.
- Total Lab Automation system, which gives 99.9 % accurate results within minutes.
- Establishment of Pakistan's first Senior Citizen Primary Day Care unit.
- A Social Services Department for financial and social support to deserving patients.

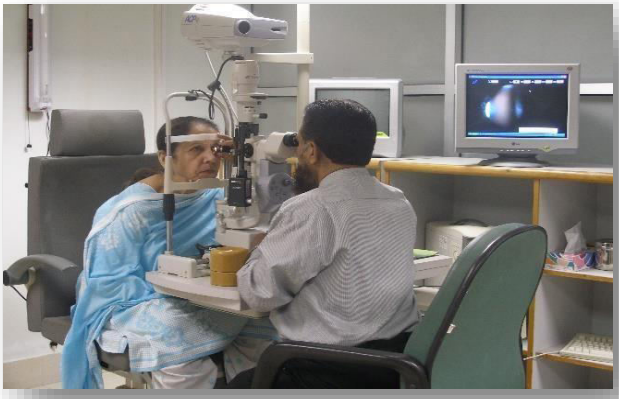
- Palliative Care Services.
- Sports ground and gymnasium.
- Waste management system designed in accordance with international standards.
- A baby daycare Centre for the children of working staff at LNH/LNMC and other colleges of LNH.
- State-of-the-art kitchen catering to patients, faculty, students and visitors' needs with take-home food facility for staff.
- LNH has an exclusive program for charity and financial assistance for needy patients.
- Beside Liaquat National Medical College, LNH houses five other institutions, College of Nursing, School of Physiotherapy, School of Medical Technology and Diagnostics Laboratory Sciences and Liaquat National College of Speech Therapy.
- LNH publishes four nationally accredited academic journals: the Journal of Liaquat National Hospital (JLNH), Liaquat National Journal of Primary Care (LNJPC), Liaquat National Journal of Cancer Care (LNJCC), and the National Radiology Journal of Pakistan (NRJP).
- Research and Skills Development Centre offers certified training courses to both internal and external candidates. It runs more than 65 courses in which Basic Life Support (BLS), Advance Cardio Vascular Life Support (ACLS), Paeds Advance Life Support (PALS), Neonatal Resuscitation Program (NRP), Paediatric Emergency Assessment, First Aid, Program and Advanced Stroke Life Support are accredited by American Heart Association (AHA).
- Specialized rehabilitation services are available for stroke, respiratory, cardiac, and paediatric conditions, delivered by expert teams with state-of-the-art facilities.
- Dedicated Sports Injuries Management Unit comprising of specialized orthopedic consultation, arthroscopy, soft tissue reconstruction and sports rehabilitation for athletes and active individuals. This facility is backed up by dedicated Musculoskeletal MRI and Ultrasound services.
- Registered National center for TB and HIV program.
- Comprehensive Geriatric Service including Geriatric nutrition, Senior citizen primary care, Geriatric medicine, Physiotherapy & rehabilitation, Chronic disease management, Home health services and Post-discharge support for elderly.
- Specialized sports injury services including OPDs and Rehab.
- 24/7 LNH WhatsApp chatbot instantly provides answers to all the queries regarding appointments, consultant schedules, lab & radiology reports, rehabilitation services, outreach clinics, emergency info, & more.
- LNH has launched a first-of-its-kind mobile application, the LNH Care App, which enables patients to conveniently book self-admissions for daycare surgeries and schedule OPD appointments.


Liaquat National Hospital & Medical College
Main Entrance
Gate 2

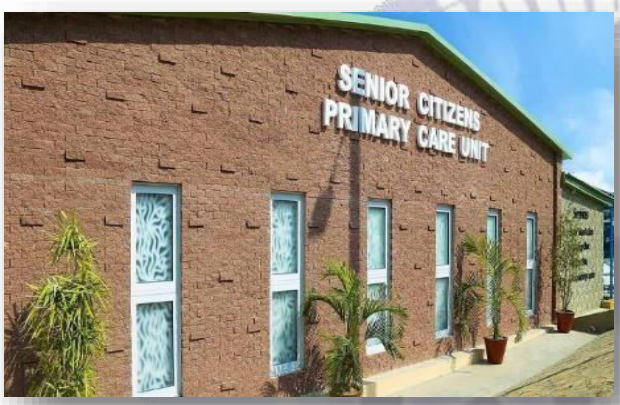
LNH Laboratory Services

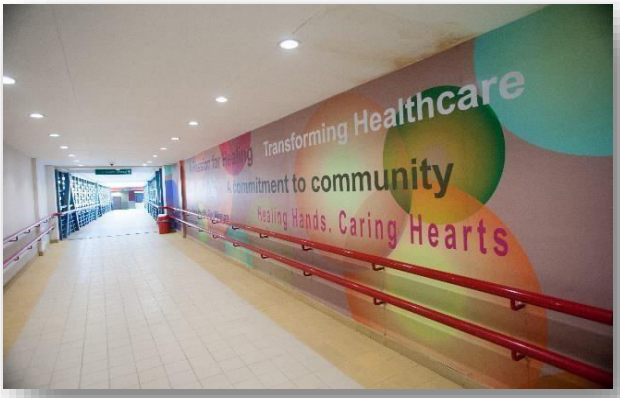
LASIK
EYE CLINIC





ONCOLOGY CLINIC


SENIOR CITIZENS
PRIMARY CARE UNIT


Transforming Healthcare
commitment to community
Healing Hands, Caring Hearts

RECOGNIZED POSTGRADUATE TRAINING PROGRAMMES AT LNH

Sr. No.	Name of Department	Training Program(s)
1	Anaesthesia	FCPS, MCPS
2	Anatomy	FCPS
3	Arthroplasty	Fellowship Program
4	Biochemistry	FCPS
5	Breast Surgery	FCPS
6	Cardiac Surgery	FCPS
7	Cardiology	FCPS
8	Chemical Pathology	FCPS
9	Clinical Pathology	MCPS
10	Critical Care Medicine	FCPS
11	Diagnostic Radiology	FCPS, FRCR
12	E.N.T	FCPS
13	Emergency Medicine	FCPS
14	Endocrinology	FCPS
15	Family Medicine	FCPS, MCPS
16	Gastroenterology	FCPS
17	General Medicine	FCPS, MRCP
18	General Surgery	FCPS, FRCS
19	Haematology	FCPS
20	Histopathology	FCPS
21	Interventional Radiology	FCPS
22	Maxillofacial Surgery	FCPS
23	Microbiology	FCPS
24	Nephrology	FCPS
25	Neurology	FCPS

Sr. No.	Name of Department	Training Program(s)
26	Neurosurgery	FCPS
27	Obstetrics & Gynaecology	FCPS, MRCOG
28	Oncology	FCPS
29	Ophthalmology	FCPS
30	Orthopaedic Surgery	FCPS
31	Paediatric Cardiology	FCPS
32	Paediatric Critical Care Medicine	FCPS
33	Paediatric Medicine	FCPS, MCPS
34	Paediatric Neurology	FCPS
35	Paediatric Orthopaedic Surgery	FCPS
36	Paediatric Surgery	FCPS
37	Pharmacology	FCPS
38	Physiology	FCPS
39	Plastic Surgery	FCPS
40	Psychiatry	FCPS, MCPS
41	Pulmonology	FCPS, MCPS
42	Rheumatology	FCPS
43	Spine Surgery	FCPS
44	Thoracic Surgery	FCPS
45	Urology	FCPS
46	Vitreo Retinal Ophthalmology	FCPS

STUDENT'S COMMITTEE SOCIETIES

The college encourages extra-curricular activities and our students are keenly involved in it. We have 09 students' societies to enhance the extra-curricular skills of our students. These student societies are headed by senior faculty members who guide and mentor students in holding of activities related to their society. They teach them organizational skills, budgeting and team building.

- Art & Culture Society
- Literary & Debating Society
- Music & Drama Society
- Sports Society
- Research Committee
- Helping Hands / Philanthropic Society
- Magazine Society
- Yearbook Committee
- Social Society

Extra-Curricular Activities

Extra - Curricular Activities

Sufi Night & Dinner By MAD & Social Society

Research Under Trial By Research Society

LNH Idol 4.0 by Music & Drama Society

Spelling Bee Competition By Magazine Society (English)

Extra - Curricular Activities

Café Halchal By Literary & Debating Society

Folded Stories By Magazine Society

Sports Fest By Sports Society

Annual Picnic By Social Society

Convocation

Convocation

LNMC Alumni Association

LNMC Alumni Association

INTRODUCTION

Alumni of LNH&MC know firsthand the high quality of education provided to students. They appreciate not only the education they had received, but also the values that LNMC instilled in them i.e. critical perspective on the medical knowledge and a focus on clinical academics. Our alumni are proud that the college has become a leader in medical education and involve students indecision-making.

ACADEMIC ACHIEVEMENTS

LNMC Alumni have done exceptionally well in terms of academic achievements both nationally and internationally.

More than 280 of our Alumni have cleared their FCPS part 1 exam from College of Physicians and Surgeons of Pakistan and are doing their fellowship trainings in different hospitals across the country.

Our alumni are enrolled in top international research pro- grams like, Brown University, Mayo Clinic and Henry Ford.

Alumni are also serving in LNMC teaching programs and have also conducted classes for the LNMC students to guide them for future options.

More than 80 alumni have cleared board and license exams of Australia (AMC), UK (PLAB), Canada (MCCQE), and USA (USMLE).

From the very first batch of 2012, few Alumni members have recently joined the parent Institution LNH as faculty members and are now practicing consultants while some are doing consultancy in in peripheral hospitals. Some of these include Dr. Yousuf Shaikh (Neurosurgeon), Dr. Abdul Rafay Qazi (Orthopaedic Consultant), Dr. Muhammad Rafay (Neurosurgeon) & Dr. Ifrah Uroos (Cardiologist).

Some of our Alumni had their residency matched in following institutes of USA. And are now currently working as MD, consultants in their respective fields.

- Waqas Yasin, Medical College of Wisconsin
- Fawad Shahid, St. Johns Hospital, Detroit
- Rehan Rais, Washington University
- Mukesh Kumar, Montifore Medical Center, Wakefield
- Maria Tariq Siddiqi, University of Oklahoma

LNMC Alumni have been closely in-touch with hospital's Helping Hands Society. The Alumni association of LNMC was established in 2013 with the aims to:

1. Be the leaders of their alumni & provide resources and support provision to Almamater.
2. Remain in contact with the college faculty and all colleagues.
3. Develop future collaboration with other institute.
4. Help graduating students in terms of career counseling.
5. To address the issues of LNMC graduates working in LNH as FCPS Trainees.

Office Bearers President
Waqas Yaseen

General Secretary
Shahzaib Habib

Academic Advisor
Yousuf Sheikh

Social Activity Organizers
Abdul Rafay Qazi , Zara Jamali

Treasurer
Mukarram Khan

ALUMNI MEMBERSHIP ADVANTAGE

Membership in the LNMC Alumni Association is a great way to show our LNMC pride. Your membership is also a vote for the value of LNMC education and enables the Alumni Association to do great things for alumni, students, and alma mater. LNMC alumni member-ship offers:

1. Life time free access to gymnasium and library.
2. Medical tests at subsidized costs
3. Continuous liaison with college and hospital and its activities.

FUTURE PLANS

Our alumni are committed to make LNH & MC a best place for graduating students.
The focus is on clear overarching goals in three distinct areas:

A. Academics: To organize regular courses and seminars for FCPS part 1 candidates and orientation classes for USMLE and PLAB.
B. Social Services: To establish welfare committee for assisting financial needs of deserving patients.
C. Research: To guide and encourage students for participating in research programs and provide orientation for research pub- locations.

Liaquat National Hospital & Medical College

021-34412078 021-34412899

lnmc.admission@lnh.edu.pk

https://lnmc.lnh.edu.pk/