

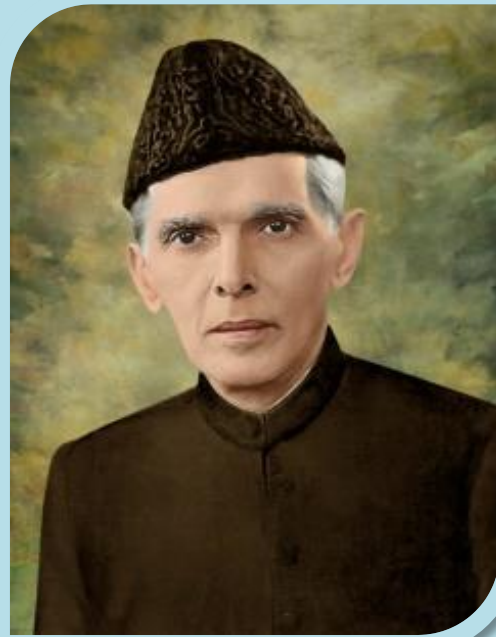


LIAQUAT NATIONAL HOSPITAL & MEDICAL COLLEGE



Liaquat National Medical College

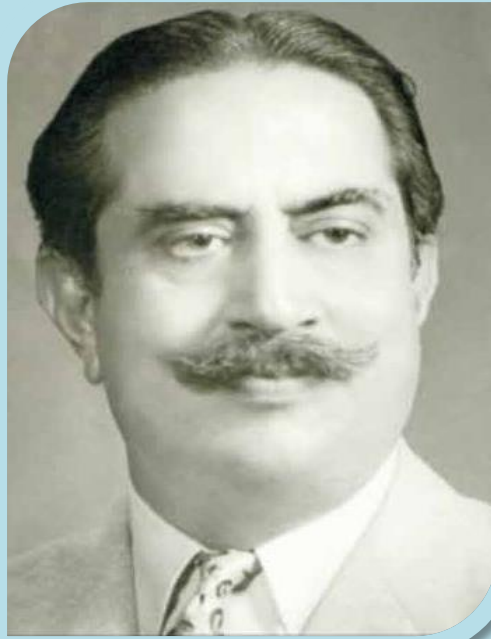
PROSPECTUS 2023



**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 - 2023



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	President's Message
02	Medical Director's Message
03	Principal's Message
05	Living in Karachi
07	Liaquat National Medical College
15	Curriculum and Examination
19	MBBS Admission Policy for Session 2022 - 23
21	Photo Gallery
25	Basic Science, Clinical Departments Administration
68	Faculty List
74	Liaquat National Hospital
79	Recognized Postgraduate Training Programme at LNH
82	Extra-Curricular Activities
89	LNMC Alumni Association

President's Message



Syed Shahid Ali

President

Governing Body - LNH

I am gratified, indeed, to be able to extend to students an invitation to study at Liaquat National Medical College.

Liaquat National Hospital was established over fifty years ago after the assiduous efforts of Syed Wajid Ali and his associates. The vision at its genesis, as is the policy now, was to offer suffering humanity alleviation from affliction.

Quality was to be pursued through a profound commitment to sympathetic patient care, a maximum possible level of expertise and provision of the best technology available, at an affordable price.

Through the years, Liaquat National Hospital has followed a policy of adding to services. Thus, the hospital evolved advanced and comprehensive post graduate medical training, a college of nursing, a school of Physiotherapy and a College of Medical Laboratory Technology.

Along with this extension of these services, there has been a concerted effort to continuously upgrade and add to existing equipment.

With this endeavor to improve and expand, the Liaquat National Medical College was established for under graduates. The College has the privilege of including some of the most eminent and highly trained professionals and instructors in the country. The purpose of the College is not only to impart knowledge and the best training possible to the students, but to imbue them with empathy for the sick and the suffering.

It is our earnest hope and endeavor to turnout students who are competitive at an international level and never flag in the pursuit of medical excellence and ethical practice.

I wish the college well, and hope that its students contribute significantly to the health and well-being of the people of Pakistan.

Medical Director's Message



Prof. Dr. Salman Faridi

Medical Director
LNH & MC

LNMC recently completed fifteen years as a medical college. During its short life it has already established a reputation for itself as an institution of quality and merit, whose students perform with distinction in the examinations conducted by the University of Karachi.

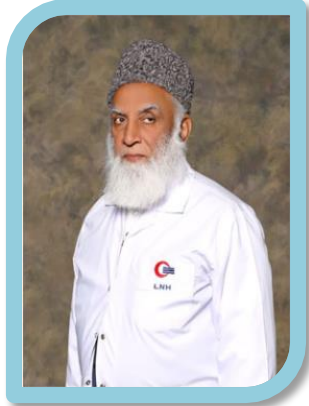
At LNMC we have tried to blend high quality academics with a solid grounding in clinical patient care and professional ethics. To add to this triad is an encouragement to conduct active research and acquire the latest skills required for hospital practice today. Our Research and Skills Development Centre is a testimony to our focus on this important aspect of a medical student's training.

Major expansions and developments at Liaquat National Hospital have also further enhanced the high quality of clinical training imparted at LNMC. As a leading healthcare service with the latest equipment and facilities, a highly trained and experienced faculty and a huge volume of patients, LNH offers our students a training opportunity that matches the best anywhere in the country or even internationally.

Students wishing to join LNMC must remember that it is not enough to graduate as good doctors. They must also acquire the attributes that are necessary to utilize their skills and abilities for the betterment of the society and the environment that they live in. They must contribute to promoting better health and healthier lifestyles so that our people, too, can enjoy the benefits of modern healthcare that are available to their fellow citizens in more developed countries and communities.

Every student must instill in himself or herself a quest for excellence, a desire to pursue and acquire the best that the educational process has to offer, to promote merit and to practice the highest standards of intellectual and professional integrity and probity. At LNMC we offer you the opportunity of an exciting, albeit exacting learning experience, that trains you to compete well with the best graduates internationally and also prepares you for the stern challenges that you will face to function as good caring citizens who wish to bring good health to every household and citizen in our land.

Principal's Message



Prof. Dr. Karim Ullah Makki

HOD | Department of Internal Medicine,
Principal - LNMC

Liaquat National Hospital & Medical College, a name which needs no introduction in Medical field. PMC announced central admission for every province in 2018. LNHMC was the first choice of all the students and our 100 seats were filled by the first 200 meritorious students. 3 year down the lane 2019, 2020 & 2021, we Alhamdulillah maintained our standards. Last year MDCAT was conducted by PMC for whole Pakistan & maintaining the previous record, the best students of Sindh opted the LNHMC as their first choice. This year, we are delighted to invite applications for the 17th batch for the 5 years MBBS Program.

We have the largest faculty in basic & clinical side in whole Pakistan in private sector & they are the best qualified and most experienced teachers. They teach with full dedication and devotion. 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 the Clinical subjects during the last year. Latest state of the art equipment's have been acquired in the various departments recently. The waiting area for the patients and their attendants in the main OPD has been air conditioned for their comfort. The Research and skills Development Centre has been upgraded by providing state of the art mannequins and computerized surgical skill simulators for the benefit of students and young doctors. Several live dissections and procedures on Animals have been performed recently by eminent surgeons.

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.

Hard work seems purposeless without award and rewards so number of Annual Academic Merit Award; need base scholarships, kinship scholarships and other award and certificates for extra – curricular activities.

The Best Graduate (best overall Academic performance over five year) award was given to Dr. Kiran, along with a cash award of Rs.350000/-. Dr. Kiran was also awarded the merit award for the 1st position in final year MBBS with a cash prize of Rs.200000/-. Dr. Arisha Zaheer received the merit award for 2nd position with a cash prize of Rs.150000/-, while Dr. Syeda Namayah Fatima Hussain, Dr. Anum Minal & Dr. Areeba Imran shared the merit award for 3rd position.

The most exciting award of Principal's Medal & Medical Director's Medal were awarded to Dr. Arisha Zaheer & Dr. Nashit Irfan Aziz respectively. In the memory of late Principal & Dean LNMC Prof. Amir Ali Shoro, Prof. Shoro's Medal was introduced for best academic achievement in first two years & recipient of this newly introduced medal was Dr. Rabiya Irfan.

To appreciate our alumni's success, Best Alumnus Medal was also introduced by the Senior Management of LNH&MC. The 1st Best Alumnus Medal was given to Dr. Muhammad Yousuf Shaikh. He completed his FCPS in Neurosurgery in first attempt with highest marks & was awarded Gold Medal by the College of Physician & Surgeons, Pakistan (CPSP).

Our alumni have not only proved them here in Pakistan but also in abroad & they achieve various scholarships and training program like in USA, UK & Canada.

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 and Zamzama etc. as well as franchised chain restaurants catering to all tastes and pockets in Karachi.

PHOTO GALLERY KARACHI



Prospectus 2023



Liaquat National Medical College

Liaquat National Medical College

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

OUR VISION

Liaquat National Hospital & Medical College (LNH&MC) 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 PMC.

AFFILIATION

Liaquat National Hospital & Medical College (LNH&MC) 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 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 patient's needs and values.
- To produce competent professionals who deliver healthcare services of highest quality.
- 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.

Central Amenities at LNMC

LIBRARY

The library has undergone major expansion and is housed within the Medical College. At LNH&MC, a substantial collection of more than 10,000 electronic books and more than 7800 text books in print format are available on basic and clinical subjects and this is increased annually. The LNMC library is adequately staffed and is open from 08:30 am to 10:00 pm from Monday to Saturday.

LEARNING RESOURCE CENTRE

A Learning Resource Centre has been created within the library which is fully computerized and internet equipped stations to facilitate web based learning. Access to network computers is available to users (students and faculty) of this facility. It is linked to the Digital library (Courtesy of HEC) with access to a large number of text books and 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 uploaded in the audio visual library of LNMC and are available on request.

Teaching aids such as Moodle are also utilized to implement e-learning. Additionally, students and faculty have internet access through Wi-Fi on their phones and laptops. They have also been provided with Apps such as Pharma guide on their phones which they can use in clinics and at home as well.

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 an open air cafeteria that serves hot & cold beverages and snacks in a sophisticated ambiance.

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. Book Shop is also well equipped with gift items of wide choice of souvenirs.

ACADEMIC COUNCIL COMPLEX & DEPARTMENT OF HEALTH CARE EDUCATION:

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 Health Care Education (DHCE) to meet the changing need of the profession and ensure provision of quality education LNMC has a (DHCE) which works closely with faculty to implement integrated curricula and design and undertakes reliable modular examinations. DHCE has developed study guides which facilitate both students and faculty. The department also undertakes faculty development program.

TEACHING FACILITIES

The Link Building has six Tutorial Rooms with computers and multimedia projectors and houses the administration office along with 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 and museums. The labs, museum and dissection hall are all as per PMC requirement and furnished with latest equipment's and have updated manuals and safety mechanisms in place.

ANIMAL HOUSE

Animal House at Liaquat National Hospital and Medical College has been established and is functional. An Animal keeper has been appointed to look after the animals. At present frogs, rats, mice, rabbits and guinea pigs are available for the practical sessions of undergraduate students of LNMC.

The facility of animal house is to be utilized for initiating research projects based on animal studies by faculty and students. Faculty members are encouraged to start their research programs and utilize the animals. Other animals like sheep, dogs etc will also be kept for research projects as per requirement of the Faculty.

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 Services

LNMC ADMINISTRATION

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

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 has substantial funds and encourages students & faculty to participate in national or international conferences and submit articles to international & national journals and provides financial support. 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.

STUDENT RESEARCH

Liaquat National Hospital & Medical College (LNH&MC) encourages research activities of students and faculty members and the subject is extensively taught to students and culminates in protocol development. To further inculcate the importance of research LNMC has a research committee of students too.

Awards and Scholarships

1. MERIT SCHOLARSHIP:

Students securing highest marks in first to fourth professional MBBS examinations of University are awarded cash award as per policy according to following scheme:

- i. For First Position Rs. 100,000/-
- ii. For Second Position Rs. 75,000/-
- iii. For Third Position Rs. 50,000/-

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 350,000/-
- ii. For First Position Rs. 200,000/-
- iii. For Second Position Rs. 150,000/-
- iv. For Third Position Rs. 100,000/-

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 through 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 may be 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)

3. KINSHIP SCHOLARSHIP DISCOUNT IN TUITION FEE:

For siblings of existing students, faculty & staff.

4. 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 Plan of Modular System

Spiral & Year	Modules					
First Spiral First Year	Study Skills	Foundation – 1	Blood, Inflammation & Neoplasia			
	Professionalism Ethics & Research	Locomotor	Respiratory - 1		Cardiovascular - 1	
Spiral & Year	Modules					
First Spiral Second Year		Neurosciences	Head & Neck		Endocrinology – 1	
	Pakistan Studies & Islamiyat Research	GIT & Liver – 1 Communication Skills Patient Safety	Renal & Excretory - 1		Reproductive - 1	
Spiral & Year	Modules					
Second Spiral Third Year		Foundation – 2	Blood - 2		Locomotor – 2	Respiratory – 2
	Communication Skill & Research	Cardiovascular - 2	GIT & Liver - 2			Patient Safety
Spiral & Year	Modules					
Second Spiral Fourth Year	ENT & EYE	Neurosciences – 2	Endocrinology – 2		Reproductive – 2	
	ENT & EYE	Urinary – 2 Research	Dermatology	Orthopedics & Trauma Care Communication Skills	Patient Safety	Rehabilitation
Spiral & Year	Modules					
Third Spiral Final Year	Medicine & Allied (Dermatology / Psychiatry Surgery)					
	(Surgical Sub Specialties) Pediatrics Gynecology & Obstetrics					

CURRICULUM

Liaquat National Medical College has implemented system-based integrated Spiral Curriculum that ensures alignment with the guidelines of the Jinnah Sindh Medical University and PMC. In Spiral Curriculum, students have opportunities to revisit several times 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 organ-based 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 year is more on normal and abnormal structures and functions of the cardiovascular system, while in third 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.

A longitudinal course comprising research, communication skills, patient safety, professionalism and ethics have been integrated in the spiral curriculum.

Islamiyat and Pakistan studies too form part of the curriculum.

TEACHING/ LEARNING METHODOLOGIES

- Case- Based Learning
- Interactive Lectures
- Small Group Discussion
- E-Learning
- Learning Clinical Skills through simulation
- Hospital/ward rounds
- Clinics and Out - reach centers
- Practical's
- Community Field Visits
- Self-study

STUDY GUIDE

LNH&MC has developed modular study guides to help students plan their studies in accordance with the objectives and teaching activities. The study guide informs students on the outcomes and objectives to be achieved through multiple disciplines, learning experiences and use of recommended learning resources for self-study. In addition, study guide provides information on different assessment methods and examination rules that help students prepare for examinations.

EXAMINATION RULES AND REGULATIONS

- **Jinnah Sindh Medical University (JSMU):**

LNH&MC is affiliated with the JSMU which conducts the MBBS annual & Retake Professional examinations for all five years of education.

Every academic year comprises modules and that may constitute up to eight modules.

EXAMINATION RULES & REGULATIONS SEMESTER EXAMINATIONS

- JSMU schedules Annual examinations on completion of academic year.
- Annual examination carries 80% weightage.
- Internal evaluation carries 20% marks in JSMU examination.

INTERNAL EVALUATION

- LNMC is responsible for internal evaluation of MBBS students.
- Medical students are assessed continuously throughout every module by multiple methods such as module tests, OSPE, quizzes, assignments, presentations or tutorials which are mandatory to attempt.
- Students not sitting for module test are not allowed to sit for Midterm and Pre prof.
- Mid-term and pre professional examinations comprising of Theory and Practical /Clinical Examinations are held in the middle and end of the academic year respectively
- MBBS Students' aggregated scores in mid-term and pre-professional examinations are submitted to JSMU annually
- The marks attained in every defined aspect are compiled and the final internal evaluation will constitutes 20% of weightage which is submitted to JSMU.
- Each theory paper comprises of one best type MCQs
- Clinical examinations are Objective Structured Practical or Clinical Examinations (OSPE/OSCE) format.

1. JSMU GRADING SYSTEM

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

2. JSMU ANNUAL EXAMINATIONS

- JSMU schedules annual examination on completion of medical studies of every year of MBBS education

3. RETAKE EXAMINATION

- JSMU conducts Retake examination for students failing annual examinations.

MBBS Admission Policy for Session 2022 - 23

MBBS Admission Policy for Session 2022 – 23

ELIGIBILITY

To be eligible for admission at Liaquat National Medical College, a candidate must have:

- Obtained a Higher Secondary School Certificate qualification (HSSC) or an equivalent 12th grade qualification recognized in Pakistan with minimum 60% marks from a recognized Pakistani Board OR from an outside Board (e.g. O/A Levels, American/Canadian High School, etc) with 60% marks equivalence with at least three science subjects i.e. Biology, Chemistry and either Physics or Mathematics certified by the Inter Board Committee of Chairmen (IBCC).
- Passed the MDCAT examination (55% & above).

WEIGHTAGE SCHEME FOR PREPARATION OF MERIT LIST

The following PMC policy will be followed for admission of 1st year session 2022-23, according to the council decision on admission policy for 2022-23 vide No. F.1-Sec.PMC-2022/CD-AP-2022-23/121 dated 10th October, 2022.

- MDCAT (50%)
- FSc (Pre-Medical)/HSSC/Equivalent (40%) of total marks and
- SSC/Matriculation/Equivalent (10%) of total marks

ADMISSION PROCESS

- The admission process shall be conducted through an online admission portal.
- Applicant shall pay the Application Registration Fee (Rs. 1,000) by printing voucher from the portal, depositing payment in bank and uploading the receipt in the portal.
- LNMC shall issue a final merit list of all students on its official website taking into account results of MDCAT and other exam results.
- At least 03 working days shall be given to applicants to submit their fee through bank challan.
- 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 of the PMC & LNMC.
- If any student declines admission offer or does not pay fee within the stipulated period, next applicant on the merit list will be offered admission against such seat.
- The final list of admitted students shall be submitted to PMC through PMC Online Portal.

Prospectus 2023



Liaquat National Medical College Photo Gallery

Prospectus 2023

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 PMC. 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.

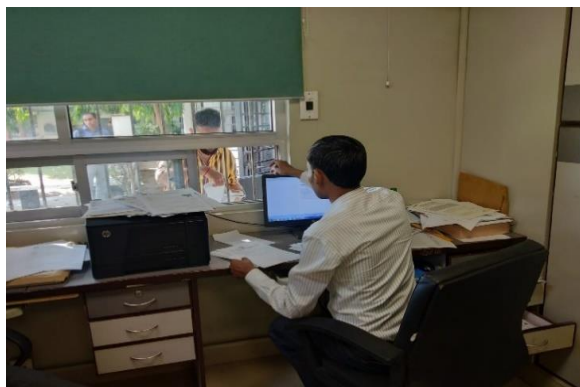
The third part of student's section is involved in external linkage with other global medical institutions as regards to verification of academic record of graduates / students and arranges Webinars with global bodies. The section has close professional relations with ECFMG, USMLE, GMC, IMED, CaRMS,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

Administration Section of LNMC is involved in arrangement of events such as Aptitude Test, Admissions, Convocation, students Co- curricular and extra-curricular activities etc. It looks after, maintenance of 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 and looks into summer jobs for students.

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



Department of Anatomy

INTRODUCTION

The subject of Anatomy is one of the core basic science subjects. The Department of Anatomy was established in the year 2006 as one of the basic science department along with the establishment of the Medical College. The department runs the undergraduate integrated medical curriculum of JSMU and other medical allied programs.

SERVICES

The department has a spacious air conditioned dissection hall with a facility for cadaveric dissection. The air conditioned museum has ample number of plastic models of Gross anatomy, embryology, neuroanatomy and other related structures of the body. The department also has a large collection of original prospected specimens and a bone bank.

The histology lab is equipped with the latest multi headed and binocular microscopes with sufficient numbers of slides of various tissues and organs. Fully developed multimedia along with CCTV for the students to observe slides through LED monitors is also there for teaching purpose.

UNDERGRADUATE TEACHING

The department comprises of highly experienced senior Professor and highly trained faculty members. The teaching methodology adopted is a combination of newer learning methods like Self-Directed Learning, Large Group Interactive Sessions (LGIS), Small Group Discussions (SGD), Case-based learning (CBL), Team based learning (TBL), hands on training and human cadaveric dissections. Regular formative assessments are conducted in the form of MCQs and OSPEs. Students are regularly provided feedback regarding their academic progress. This helps the students to achieve excellence in their exams.

POST-GRADUATE TEACHING

Liaquat National Hospital and Medical College is also recognized by CPSP for FCPS in the subject of Anatomy.

RESEARCH

The department stresses on the importance of medical research. Faculty members are encouraged to conduct research. A journal club is arranged every two weeks, to inculcate research culture.



Department of Biochemistry

INTRODUCTION:

The department of biochemistry is rendering services to teach medical undergraduates for MBBS, BS-Medical Technology and BS Nursing programs. The department is having very experienced PhD faculty on board to impart scientific knowledge at the highest level. It has a very spacious and well lighted air-conditioned laboratory. Which is also fully equipped according to PMC requirements.

RESEARCH & PUBLICATIONS:

The department of biochemistry is involved in research activities in which students undertake research activities in collaboration of the biochemistry department with other clinical disciplines, this orient medical undergraduate with the research methods and application of the science of medical biochemistry with their clinical outcomes.

The research projects carried out are published in national and international medical journals of repute. Apart from undergraduate teaching, the department is also equipped with the modern instruments and advanced tools for research specially designed for molecular biology.

ACHIEVEMENTS:

The department is recognized by CPSP for its FCPS program and has all the facilities to provide training to FCPS, MPhil and PhD students as well.

MISSION STATEMENT:

In the emerging era of bioinformatics, translational and regenerative medicine, one cannot deny the basic foundations provided by the concepts of biochemistry and molecular biology.

“Today’s Science, tomorrow’s medicine.” (Jeffrey KA)

Our mission is to have a state of the art center for teaching and learning via an advanced vibrant clinically correlated curriculum of biochemistry, molecular cell biology and Genetics.



Department of Community Medicine

INTRODUCTION

Community Medicine is an important branch of medical sciences concerned with the health of populations. It strives to protect and promote the health and well-being of the community through Primary Health Care approach. The mission of Community Medicine is to prepare doctors to function as community and first level physicians and to teach research principles and methodologies so as to create scientific attitude.

SERVICES

The Department of Public Health and Community Medicine is distinguished by the qualified faculty with a broad multidisciplinary approach to public health and clinical issues and is facilitating the students to collaborate and collect data from the communities and hospitals on topics of public health. Students are further involved in medical camps when a catastrophic situation arises. The Department has a well-equipped museum.

UNDERGRADUATE TEACHING / TRAINING

Lectures, tutorials, field visits and practical sessions by faculty are teaching methodologies practiced by the department. Guest lectures by distinguish individuals of the society are arranged for undergraduate students.

RESEARCH ACTIVITIES / ACHIEVEMENTS

Research methodology training is conducted through routine lectures and tutorials. Students are guided to prepare research proposals. Every year good quality research protocols are submitted to the research committee by students under the guidance of Community Medicine Department.



Department of Forensic Medicine

INTRODUCTION

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

The main objective is to highlight those legal aspects of medical practice which future doctors will be expected to apply knowledge and skill in dealing with medico-legal matters/ issues when 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 includes Law in relation to medical profession, PMC, 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 and module 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 at by the affiliated University accordingly.

RESEARCH

The department is actively involved in research activities.



Department of Health Professions Education (DHPE)

VISION

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

MISSION

DHCE mission is to prepare educators towards adapting dynamic curricula, innovative approaches to teaching, learning and assessment within the rapidly changing health care landscape along the entire continuum of health professions education.

LIAQUAT NATIONAL MEDICAL COLLEGE (LNMC)

The DHCE supports LNMC at preparing competent medical graduates who will demonstrate responsiveness to the growing needs of the profession, and evolving societal expectations. DHPE faculty work closely with the Modular Integration Committees to implement integrated curricula, small group case-based integrated learning, online learning and reliable modular examinations on Moodle. DHPE conducts Study Skills module for MBBs first year students to help overcome academic pressures of medical studies. DHPE is the lead department for Communication Skills longitudinal course development for medical students. DHPE encourages small group active learning strategies such as forum theatre, individual and group presentations for meaningful development of cognitive and communication skills. DHPE also develops study guides which facilitate both students and faculty.

Faculty Development Unit provides educational support through mandatory courses, specialized workshops on modular curriculum, small group learning strategies, E-learning, writing test items and structured clinical examination stations.

The Examination Unit (EU) is equipped with MCQ bank software for submission and maintenance of updated questions, Optical Mark Reader for prompt scoring and result analysis.

DHCE team includes educators with Commitment and expertise in health professions education in areas such as leadership, research, integrated curriculum, student-centered learning, flipped classroom, simulation and assessment.



Department of 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 PMDC. Regular assessment of the students is carried out. Purposes 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 37 trainees have cleared their FCPS in various disciplines of Pathology.



Department of Pharmacology

INTRODUCTION

The Department of Pharmacology has one highly qualified and experienced Professor holding PhD degree, one Associate & one Assistant Professor. They are assisted by three Lecturers/Demonstrators. Two lecturers holds MBBS degree & one senior Lecturer holds MBBS & M. Phil degree.

We focus on building concepts rather than rote memorization. Students are encouraged to discuss with their teachers any problem they might have in understanding the topics covered in the class and any other matter related to academics.

UNDERGRADUATE TEACHING

Diverse teaching methods are employed including clinical presentations by students and interactive small group discussions. Discussion of clinical case studies helps the students to apply theoretical knowledge in practical settings. Continuous assessments are performed periodically by Concept Maps at the end of all lectures to avoid rote learning and make Pharmacological learning conceptual for the students. Lectures are uploaded on Edmodo & LMS for student's assistance.

FACILITIES & RESEARCH

The Department of Pharmacology comprises of a spacious museum and a well-equipped Laboratory run by experienced staff and technician. The laboratory is equipped with instruments which enables students to perform and practice animal experiments to enhance their learning of the effect of drug on body systems.

A Power Lab has been installed in Department for practical demonstration and research work. The pharmacological effects of drugs on isolated animal tissues are demonstrated using this latest high performance data acquisition device.

The Department gives special importance to research work and a number of research projects are on way.



Department of Physiology

INTRODUCTION

The faculty of Physiology comprises of highly qualified and skilled medical professionals holding appropriate qualifications and experience recognized by National and International regulatory authorities including Pakistan Medical and Dental Council, College of Physicians and Surgeons, Pakistan and Higher Education Commission, who are qualified to undertake undergraduate as well as postgraduate training.

SERVICES

The department offers a congenial, comfortable and well equipped working environment for faculty as well as for students which includes air conditioned offices, lecture halls, physiology laboratory and seminar rooms with modern audio-visual equipment and latest teaching aids. The most advanced equipment and devices for practical physiology are available including the Power Lab which is a data acquisition system with sophisticated attachments. Its typical applications include teaching and research across human and animal physiology.

UNDERGRADUATE TEACHING:

The undergraduate teaching strategies include formal lectures, tutorials, small group discussions, Interactive Lectures practical's, power point presentations, Priming, Flipped classroom, Role plays, case based learning and Team based learning sessions to improve students' understanding of the basics as well as clinical aspects of the subject comprehensively. The department performs assessment and evaluation routinely to help prepare the students for professional examinations providing encouraging environment to nurture their capabilities.

RESEARCH

It is our goal to combine a wide spectrum of research expertise and experimental techniques in order to foster an ideal training program for the advancement of the knowledge in human physiology. This is appreciated by the positive feedbacks from our students and it is a great source of inspiration for us that our students excel in undergraduate as well as post graduate examinations with flying colors.

The department is running a postgraduate programme of training in FCPS physiology which is unique for the institution with approval of college of physician and surgeons of Pakistan.



Department of Accident & Emergency

INTRODUCTION:

The Department of Emergency at Liaquat National Hospital is 29 bedded departments, 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 International Triage criteria. 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.

UNDER GRADUATE AND POST GRADUATE 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.

Department is now recognized by CPSP for Emergency Medicine training. The departmental is also 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 Covid 19 patients.



Department of Anesthesiology

INTRODUCTION

Department of Anesthesiology, Critical Care & Pain Management provides high-quality, evidence-based care for a wide variety of surgical, diagnostic and interventional procedures. Our faculty provides safe & efficient non-operating room anesthesia (NORA) care for a large number of patients. The faculty is well experienced in perioperative medicine, experts in airway management, intravascular access, resuscitation and acute and chronic pain management. A large number of high risk patients successfully undergo complex surgical procedures round the year.

SERVICES

- **Anaesthesia clinic:** The Anaesthesia clinic offers evaluation and treatment plans to ensure optimal management of patients during their perioperative period. Our goals 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 complications.
- **Twenty two 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. Same service is provided in endoscopy suite, adult and pediatric Cath Labs, MRI, CT and ultrasound procedure suites.
- **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 staffs who continue the same monitoring that was being carried out in the operating room.
- **Three Surgical Intensive Care Units** comprising 23-beds with state-of-the-art equipment manages medical & surgical critically ill patients round-the-clock with a multidisciplinary team comprising intensivist (members of our faculty), surgeons, other consultants, trained ICU nurses, pharmacists and physical therapists.
- **Our Acute Pain Service team** is committed to reducing postoperative pain and assisting with early ambulation and rehabilitation of surgical patients. The team comprises of our specially trained faculty members with expertise in perioperative pain control, anaesthesia residents and pain nurse. The acute pain team uses multimodal approach for postoperative pain control using different medications, ultrasound guided peripheral nerve blocks, epidurals 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.

ACHIEVEMENTS

- We run a structured residency program, for FCPS in Anesthesiology. To date, our 122 trainee (MCPS, FCPS) have successfully passed their exams after completing the training who are now serving different hospitals of the country as well as abroad.
- Anesthesia department is ISO 9001:2015 certified



Department of 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 500 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 round the clock which 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 make this unit a very safe place for all sort of Cardiac Surgery procedures.

UNDERGRADUATE AND POSTGRADUATE TEACHING

The department is recognized for training by the College of Physician and Surgeons Pakistan (CPSP) for postgraduate trainees. 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 bypass and Mitral / Aortic Valve replacement operations.

RESEARCH

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



Department of 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 visited 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

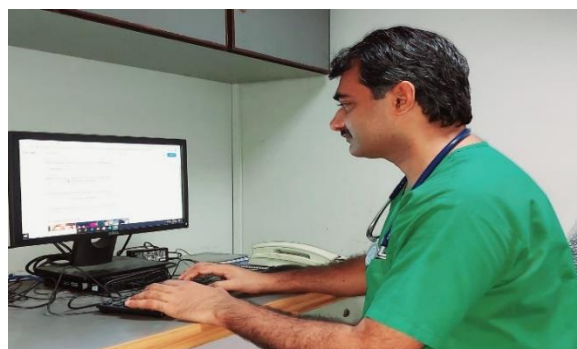
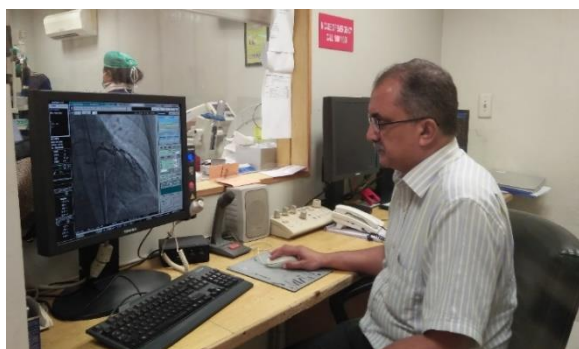
The department of Cardiology has adequate number of faculty members. The faculty includes both invasive and non-invasive Cardiologist. Beside this, Adult Congenital Heart disease Specialist is also a part of faculty. Along with Adult Cardiology Services, our hospital also provide Paediatric Cardiology 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 Dobutamine Stress Echo (DSE), Transesophageal echo (TEE) and perform Pericardiocentesis.

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.



Department of Dermatology

INTRODUCTION

Department of Dermatology, Liaquat National Hospital & Medical College comprises of three out patients clinics, which are being run on daily basis. The morning clinic is without appointment for any walk in patients while the afternoon clinic is an appointment clinic. Patients are referred from dermatology reviewed 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. Elector cautery 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. UVB and UVA for many skin conditions like Psoriasis, Vitiligo, Atopic Dermatitis and cutaneous Malignancies.

LNH also offering Aesthetics procedure like PRP, Microneedling, Laser Hydro-facial, skin Rejuvenation, 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 two weeks in dermatology department and their theory and 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.



Department of 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 insipidus 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.



Department of 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 20 bedded 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 6 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.



Department of Family Medicine

INTRODUCTION

The Department of Family Medicine was established in March 2016, is recognized for its comprehensive, accessible and affordable primary health care services.

SERVICES

Our team of consultants and Family physicians practice a bio-psycho-social model of care and provide holistic health care to patients. In addition, to educate our patients on disease prevention, our doctors perform risk assessments and screening tests for early identification of diseases. We deal with a wide range of medical problems, acute as well as chronic illnesses encountered by adults, women, children, and the elderly population.

The scope of our services follows the "hub and scope model," with clinical facilities located at the main hospital campus, senior citizens' primary care unit, employee health clinic, and outreach medical services located at five different locations in Karachi, including Shah Faisal Colony, Gulistan-e-Jauhar, Gulshan-e-Iqbal, Nazimabad, and Naseerabad. In addition, through home visits, Our Family physicians make health care more accessible to those patients who cannot visit our clinics, especially the elderly and bed-bound patients suffering from chronic diseases or disabilities.

UNDERGRADUATE TEACHING

The family Medicine department places great emphasis on teaching and training medical students. Students' clinical rotations are organized to develop an understanding of the principles of Family Medicine and primary care. Through our faculty role modeling, students learn to apply the bio-psycho-social model, continuity of care, empathy, and compassion to manage their patients. We strive to prepare our medical graduates to effectively deal with common medical problems encountered at the primary care level in the community.

POST GRADUATE TRAINING

The College of Physicians and Surgeons Pakistan recognizes the department for FCPS and MCPS training in Family Medicine. Our fellowship training aims to prepare Primary care specialists and team leaders who can offer the community comprehensive, cost-effective preventive, curative, and rehabilitative care. In addition, the department has collaborated with World Health Organization and launched a one-year postgraduate certificate program in Family Medicine. This program provides practicing GPs with a unique opportunity for continuous professional development through a flexible hybrid learning environment.

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) and recognized by the Higher Education Commission Pakistan (HEC).



Department of Gastroenterology

INTRODUCTION

The Department of Gastroenterology is housed in the Syed Wajid Ali Shah Complex of LNH. The department has seven full time faculty members and a Senior Registrar.

SERVICES

It comprises of 25 bedded dedicated ward providing in-patient care. There are 10 dedicated OPD rooms 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 equipments. 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 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 Hpylori detection in 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 competitive. LNH is one of the largest Gastroenterology training centers in Pakistan.

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 are accomplished gastroenterologist and are working in the different hospital in Pakistan and abroad.

Residents are actively involved in research projects, which are published and presented nationally and internationally.



Department of General Medicine

INTRODUCTION

The Department of Medicine is the core department in LNH&MC as service provider for patient care and it plays a vital role in the training of under & postgraduate trainees under supervision of highly qualified faculty. The Department's postgraduate training is highly cherished within the country by the postgraduate trainees.

SERVICES

We conduct daily outpatient clinics (more than 24 thousand patients visit annually), where the patients are given due attention and they are investigated for proper management. We also provide medical care to inpatients, either in low cost male and female wards, special wards or executive wards with good nursing care. Patients requiring intensive care are admitted to a fully equipped intensive care unit (MICU), where a patient has access to all necessary investigation and treatment required in a critical setup. We have introduced Geriatric services for elderly population of 65 years and above. These services are based on initial evaluation, screening for neurocognitive deficit, psychological advice and physiotherapy evaluation. We are also providing home visits in collaboration with home health services department.

UNDERGRADUATE TEACHING

The Department's goal is "to prepare outstanding doctors, create and disseminate Knowledge, and integrate the values of this divine profession of medicine". It undertakes regular teaching and training and assessment to achieve these objectives. 3rd year, 4th year & final year MBBS students are trained by lectures, tutorials, bed side teaching, clinical discussions. They are rotated in OPDs, Medical & Allied subjects wards for training.

The department is approved by the College of Physicians and Surgeons of Pakistan (CPSP) as well as by Royal College of Physicians for FCPS & MRCP training for four years.

This department is recognized by the PMC for house job training to fresh graduates.

RESEARCH

The department regularly arranges research activities and workshops to encourage students to do research and publish.



Department of 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, breast 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.



Department of Nephrology

INTRODUCTION

The Division of Nephrology and Hypertension cares for patients with a diverse range of kidney diseases through inpatient consult service, ward/transplant service, outpatient clinics and hemodialysis facilities. It has gained recognition for its expertise in difficult to manage and complicated cases.

SERVICES

Nephrology ward is a 20 bedded unit, which includes a separate male ward, female ward and private wing. The department has its own nine bedded intensive care unit with ventilator support and separate 4 bedded step down 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, seven days a week for chronic hemodialysis as well as acute emergency dialysis. Dialysis unit comprises of 27 hemodialysis machines. Unit is staffed with well-trained nurses and technicians. There are dedicated units for hepatitis B & C positive patients. Peritoneal dialysis is also offered in our unit.

ACADEMIC ACTIVITIES

Educational activities in the division, ranges from teaching medical students to providing advanced training for fellows. The Renal Fellowship Program is aggregated with CPSP and is comprised of comprehensive training program that covers all” aspects of clinical nephrology and actively involves the fellows in research. The division’s faculty also provide core curriculum to residents and students, and participate in continuing medical education (CME) programs sponsored by Liaquat National Hospital & Medical College. By the grace of Allah 35 nephrology fellows have completed their training up till now and 21 fellows have achieved the success in FCPS part II nephrology exam and awarded the FCPS nephrology degree.

Morning rounds are conducted daily, which includes bedside clinical teaching, case discussion and nephrology updates and topic reviews. There is monthly morbidity and mortality meeting, which reinforce better patient service. We have arrange monthly PSN meeting in which all nephrology hospital participate actively.

RESEARCH

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



Department of 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

The outpatient department provides neuro- rehabilitation services which include speech and swallow therapy for patients with neurological disorders. A neuropsychologist evaluates patients with cognitive dysfunction and behavioral disorders.

The inpatient services include a 9 bedded stroke unit which is a high dependency unit which caters for patients with acute neurological problems. Adjacent to it is a 19 bedded Neurology ward.

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

A team of highly qualified neurologists, internist, medical officers, therapists, psychologist, technologists and nurses are available and fully dedicated to the mission of the department.

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 PMC. Regular assessments of all 3 clinical years are done on regular basis at the end of posting. Undergraduate students keep records in log books, log cards, journal & grade book

Teaching sessions are also conducted regularly for the benefit of neurology students and residents rotating through Neurology.

CMEs are conducted from to time to time for the benefit of general physicians and the public.

RESEARCH

Realizing its importance the department is involved in propagating scientific research and publications. Doctor and staff actively participate in National conferences and CMEs.



Department of 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. There are 32 beds in department including 11 high dependency unit beds and 1 isolation room. There are 5 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 150 webinars on operative neurosurgery, basic and advance neurosurgery, Neuro-endoscopy and Neuro- anatomy.

We are teaching undergraduate with didactic lectures and tutorials. 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.



Department of Obstetrics & Gynecology

INTRODUCTION

The Obstetrics and Gynecology Department of Liaquat National Hospital offers an 84 bedded facility, which 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, three Part-time consultants and three postgraduate senior registrars.

All patient care locations are equipped with modern maternal and fetal monitoring facilities. Approximately 1800 to 2000 deliveries are conducted annually along with the outpatient workload of 25000 to 30,000 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. We have collaborated with two international studies with London School of Hygienic and Tropical Medicine (UK) on “Woman Trial” for Postpartum Hemorrhage. Trial results are now published in Lancet (April, 2017 issue), CORONIS trial results also published in Lancet. More than eight synopses approved and studies are ongoing in the department.

ACHIEVEMENTS

1. ISO recertification.
2. Establishment of sub-specialties.
3. Publication in International Journals, British Journal of Gynecology and International Journal of Gynecology, research during this year.



Department of Oncology

INTRODUCTION

The Oncology Department is equipped with state of the art technology. The department consists of skilful and proficient personnel who are striving to provide quality care to the patients. It provides effective and quality training to undergraduate students and post graduate trainees. Medicine residents, interns and medical students do rotations in Oncology as part of their training programme.

SERVICES

The Department of Oncology provides services for cancer management to all disciplines of medicine, surgery, gynecology, pediatrics, nephrology, urology and dermatology. Department consists of a private ward, a general ward and a day-care unit that provides facilities for patients on chemotherapy. Department staff comprises of oncology consultants, senior registrars, registrar, residents and professional nursing staff who is specifically trained to take care of cancer patients. The department provides daily out-patient clinics where patients with newly diagnosed cancers of different body parts are facilitated. Here patients are offered avant-garde treatment including chemotherapy, targeted therapy and immunotherapy. Follow-ups of such patients are also carried out. Moreover, cancer patients who have completed their treatment are also attended to at regular intervals in follow-up.

Tumor Board Meetings are conducted regularly by the department where multi-disciplinary teams discuss difficult cases of cancer and treatment plans are finalized. The department also conducts specialized tumor boards that include weekly breast cancer multidisciplinary meetings where all newly diagnosed breast cancers as well as complicated cases are discussed. The best possible management plans are devised during these meetings for the patients.

The department also conducts weekly gynecologic oncology tumor board meetings to provide optimal care to patients with gynecologic malignancies.

A monthly lymphoma meeting is organized to optimize the care of lymphoma patients. All these meetings provide ample opportunities for learning of students and postgraduate doctors and a platform for CME of practicing doctors.

UNDERGRADUATE TEACHING

The Department offers an active training programme and provides excellent opportunities for students and postgraduate trainees. Regular bedside teaching sessions and didactic classes in the form of lectures, tutorials, small group clinical discussion of 3rd year, 4th year & 5th year as per guidelines of PMC. Regular assessments of all 3 clinical years are done on regular basis at the end of posting.

During their rotation, students and postgraduate trainees attend OPDs, ward rounds, and have tutorials about common oncology issues and their management. The department also has a monthly journal club to remain updated on latest treatment modifications. It has been recognized by CPSP for postgraduate training in Oncology.

At Liaquat National Hospital, regular CME activities are arranged by the department to educate young doctors about the new changes and changing paradigm in cancer treatment.

RESEARCH

The Department is involved in research regarding new treatment and epidemiology of cancers. It encourages students to do the same and undertake publications in peer reviewed journals. Liaquat National Journal of Cancer Care (LNJCC) is a biannual (June & December), peer reviewed open access publication of the department integrating scientific information regarding all oncological specialties from Pakistan and worldwide. It is one of the very few journals published in Pakistan that incorporate oncological manuscripts, case series and review articles. This journal is soon going to be recognized by the HEC department too.



Department of Ophthalmology (EYE)

INTRODUCTION

Liaquat National Hospital is a leading tertiary care hospital in Karachi & the eye department is providing tertiary care services to its patients.

We have 10 fully trained & qualified consultants' is main highly acclaimed glaucoma experts, cornea specialists, retina specialists, Paediatric ophthalmologists and refractive surgeons & oculoplastic surgeons. It means all subspecialty 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 cataracts, glaucoma and diabetic retinopathy.

We have excellent facilities for cataract surgeries & we use all types of IOL every year using such as monofocal, TORIC and multifocal intraocular lens implantation

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 facilities for all advance Cataract, Glaucoma, Retina and Squint surgeries

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 actively in the learning process.

RESEARCH

Our research activities are led by all Consultants involving Residents, Registrars and students. We collaborate with other departments of the Hospital on some research projects using a multidisciplinary approach.

ACHIEVEMENTS

To our credit we have 23 FCPS, 8 FRCS and 14 MCPS postgraduates. We are also recognized for post fellowship in retina.



Department of Orthopedic Surgery

INTRODUCTION

The Department of Orthopedic Surgery at Liaquat National Hospital is recognized nationally and internationally as a center of excellence for Orthopedics. We provide care to thousands of patients from pediatrics to geriatrics age groups. Our experienced faculty employs cutting edge technology and most recent advances in their practice to provide state-of-the-art, evidence-based care to their patients.

We have 7 full time faculties with three Professors, one Associate Professor and three Assistant Professors as well as one part time consultant.

SERVICES

The Department of Orthopedic surgery at LNH&MC provides services across the following orthopedic disciplines with fellowship trained surgeons who are masters in their own respective fields.

- | | |
|---|--|
| 01. Orthopedic Trauma Service. | 02. Primary Hip and Knee Arthroplasty service. |
| 03. Revision Hip and Knee Arthroplasty service. | 04. Pelvis and Acetabulum Surgery service. |
| 05. Ilizarov and Deformity correction service. | 06. Pediatric orthopedic service. |
| 07. Musculoskeletal Oncology service. | 08. Arthroscopy and Sports service. |
| 09. Foot and Ankle Surgery service. | |

UNDERGRADUATE TRAINING

The Department's faculty conducts lectures, tutorial as well as teaching rounds. The students are also subject to posting in clinics and operating rooms. The overall goal for the rotation is to have an opportunity to evaluate and treat common orthopedic problems.

ACHIEVEMENTS

The Department runs a postgraduate residency training program that is almost 20 years old. Many of the graduates of this program are now consultants at centers of excellence around the world.

The Department of Orthopedics is proud to have accreditation of conducting four fellowships.

1. Arthroplasty Fellowship.
2. Trauma Fellowship.
3. Pelvis and Acetabulum surgery Fellowship.
4. Sports and Arthroscopy Fellowship.

RESEARCH

Students get a chance to participate in the case conferences, other multidisciplinary clinic-pathological meetings and to participate in research projects.



Department of Paediatric

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, 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 its state-of- the-art NICU/PICU and specialty clinics for immunizations and detection of life-threatening diseases. Fellowship approved by CPSP in Pediatric Cardiology and Pediatric Intensive care.

RESEARCH ACTIVITIES

Participation in research work is actively in progress by undergraduates and post graduate trainees supervised by faculty members. Several research papers have been published in the journals recognized by PMDC& HEC.

ACHIEVEMENTS

Department of Paediatric is involved in: CME activities of Pakistan Paediatric Association (PPA), Polio eradication program of Government of Pakistan, acute flaccid paralysis surveillance program of WHO, lactation management program of Government of Pakistan, WHO and UNICEF. LNH is also recognized as a baby friendly hospital. Training of nurses in Pediatric specialties as an ongoing activity. Training of Doctors and nurses in PALS and NRP.



Department of Paediatric Surgery

INTRODUCTION

Liaquat National Hospital and Medical College is one of the oldest hospital of the city built over six decades ago, but Paediatric surgical services started 22 years ago. During this short period of time it developed into one of the most active Paediatric surgical units of the city, not only serving patients from the metropolis but also looking after patients brought in from other parts of the country and from abroad as well.

SERVICES

The Department at present is run by three surgeons. The department has got its own dedicated area for inpatients. Neonates and sick children are looked after in shared neonatal intensive care unit and Paediatric ICUs. On average, 2,000 surgical procedures are performed each year including neonatal surgeries, reconstructive surgeries including urological and gastrointestinal reconstruction, hypospadias and genital reconstruction and management of solid tumors.

UNDERGRADUATE / POSTGRADUATE TEACHING

Paediatric surgical unit also provides training to the medical students and residents in Paediatric surgery. Teaching sessions for core curriculum and journal clubs are held on a regular basis.

The Department organizes regular workshops and CMEs to help in the training of students and residents of other units of the city. Paediatric Laparoscopic Workshop is a regular yearly fixture which is recognized and accredited by the British Association of Paediatric Endoscopic Surgeons. Besides this workshops and live operations have been done for urogenital repair, and hepatobiliary reconstruction.

Due to the induction of a Paediatric urology specialist, department has now a dedicated paed urology executive clinic once every week on Saturday evening and a dedicated Urodynamic session once a week.

The Department is planning to liaison with units in United Kingdom to provide trainees with further exposure abroad.

RESEARCH

The Department is involved in extensive research activities. It encourages students to do the same and undertake publications in reputable journals.



Department of Paediatric Cardiac Surgery Unit

INTRODUCTION

The burden of congenital heart disease (CHD) on the healthcare systems of Pakistan is immense. With approximately 50,000 children being born each year with CHD, the challenge is multi-factorial. In Karachi alone 5000 children are born with CHD each year. To cater to their needs more Paediatric Cardiac services wait needs to be established. With this mission, LNH has decided to establish the Paediatric heart disease unit with a vision of providing exemplary care at affordable cost.

SERVICES

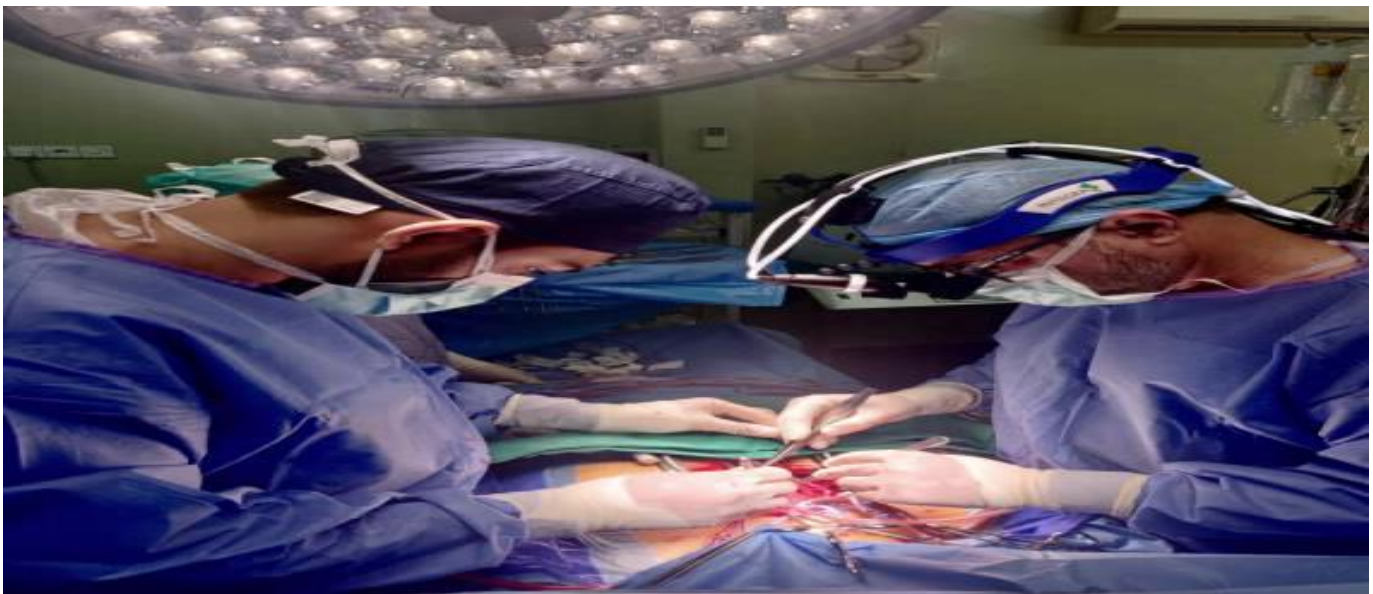
All Paediatric Cardiothoracic and adults with congenital heart disease will be given detailed consultation and helped towards decision making. Neonatal, infantant, children, adolescent and adults with CHD will be provided curative and palliative care.

UNDERGRADUATE AND POSTGRADUATE TEACHING

Liaquat National Hospital and Medical College has a rich student body. Week's rotation in Paediatric cardiac surgery will provide them an opportunity to be involved in multi-specialty care of CHD patients. Daily interactive dedicated sessions along with assignments are part of their curriculum. The Cardiac surgery residency program was established in 2003 and each year a new resident would be inducted from 2021. The program is accredited with CPSP.

RESEARCH

Congenital heart disease provides great opportunity to share and present scientific data with others. LNH&MC would provide such opportunity to both graduate and undergraduate students and faculty to be involved with prospective and retrospective research and publish their scientific finding.



Department of Plastic & Reconstructive Surgery

INTRODUCTION

Plastic Surgery Department of LNH&MC is among one of the best and the oldest department of the country. It has five full time plastic surgeons in its faculty.

SERVICES

The department provides 24 hours emergency services including emergency care for burns, gunshot, hand injuries, road accidents, bomb blast, facial trauma and other trauma.

The departments deals with all plastic surgical problems including congenital defects, reconstruction in head and neck cancer, lower limb trauma, nerve transfers, diabetic foot and chronic wounds, and all hand problems.

Cosmetic procedures of liposuction, abdominoplasty, facelift, rhinoplasty, otoplasty, blepharoplasty and fat grafting, botox and filler injections are routinely carried out.

The plastic surgery ward is located on the first floor. The ward is fully air conditioned and has facilities of private rooms, semi private beds and a well-equipped high dependency unit (HDU) for managing critical patients. There are arrangements in the ward for carrying out dressing of burn patients and trauma patients. Services of ICU are also available if required. It also has access to modern and well equipped operations theatre.

UNDERGRADUATE / POSTGRADUATE TEACHING

The department encourages the undergraduates to attend the consulting clinics in the outpatient department, operation theaters and ward rounds to get familiarized with the various aspects of Plastic Surgery. Besides the undergraduate students of Liaquat National Hospital & Medical College the Plastic Surgery Department also gets students from various other government & private colleges of the city for clinical attachment of 2-4 weeks duration. The department has a busy postgraduate teaching program as well.

ACHIEVEMENTS

The department has a fully accredited training program under the auspices of College of Physicians and Surgeons Pakistan. It is among the most sought after residency program of the country. The residents who have qualified from the department are providing services within the country and abroad. Regular Plastic Surgery programs are organized by the department at local, national and international level. The department regularly conducts research projects and has multiple publications to its credit in both national & international journal.



Department of 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 Dr. Iqtidar Taufiq and includes 1 other consultant, Dr. Zaib Un Nisa and 3 full time clinical psychologists, along with 5 postgraduate trainees of FCPS.

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). Soon to be added will be rTMS. This is the first of its kind in Karachi.

In-patient Services includes Psychiatric Ward comprising 10 bed in-patient unit 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. Over the last one year, 4 scientific papers were published in PMC / HEC recognized journals.



Department of Pulmonology and Critical Care

INTRODUCTION

The Department of Pulmonary Medicine at Liaquat National Hospital, established 42 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 and afternoon 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 11 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
- Transbronchial Biopsy under fluoroscope guidance
- Transthoracic needle aspirations
- Chest tube insertions and pleurodesis
- Pleural biopsy.

UNDERGRADUATE TEACHING

Students of third, fourth and 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.



Department of 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 residents participate actively in paper presentations and the department inculcates the importance of research in students and trainees.



Research & Skills Development Centre (RSDC)

INTRODUCTION

Pioneer lab in Pakistan to provide simulation based learning facility for undergraduate as well as post graduate candidates, headed by the first ever certified Regional Faculty of American Heart Association in Pakistan.

SERVICES (AVAILABLE COURSES AND SIMULATORS)

Equipped with a multitude of resources to provide high quality of trainings including; American Heart Association (AHA) accredited Basic Life Support and Advanced Cardiovascular Life Support, Heart Saver First Aid, Advanced Airway Management, Basic Interpretation of ECG, Emergency Response Skills, Basic Surgical Skills and Basic Nursing Skills and many more.

Amongst a wide variety of simulators the few are Mannequins of; Advance Life Support (Kelly), Pediatric Advance Life Support and Neonatal Resuscitation Program, Lumbar Puncture and Advanced Life Support in Obstetrics.

State of the art Wet Lab and the Laparoscopic Trainers and Temporal Bone Lab.

UNDERGRADUATE TRAININGS:

The integrated curriculum of undergraduate involves hand hygiene skill, assessment of vital signs, intravenous and Intra-muscular injection technique and many others.

Simulation based clinical scenarios are safely and ethically enacted as part of trainee assessment in OSCE.

RESEARCH ACTIVITIES

A Neonatal Resuscitation Program was run at RSDC recently and a research was conducted on INTERPROFESSIONAL LEARNING EXPERIENCE in collaboration with DHCE.

ACHIEVEMENTS

RSDC Previously named as Skills Lab, was established in 1996. It became 'Department of Skills Lab' in 2004 and developed into 'Research & Skill Development Centre' in 2012. ISO-9001-2008 Certifies the quality work done by RSDC since 2011. Its certification was recently upgraded to ISO-9001-2015 standards. Furthermore RSDC has been accredited with AHA for basics and advanced life support course in 2018.



Department of Rheumatology

INTRODUCTION

The Department of Rheumatology at LNH provides patients with the state of art care according to international guidelines. Our faculty comprises of 3 well-qualified consultants.

SERVICES

Our general, subspecialty clinics and inpatients service is catering to more than 25,000 patients per year.

We are the only unit in Sindh that has got separate Paeds Rheumatology Clinic.

We are the only institute in Pakistan to run crystal identification lab in our own department.

The Department has a dedicated procedure room for intra-articular soft tissue injections with zero% infection rates, as per our record.

UNDERGRADUATE TEACHING / TRAINING

We are actively involved in the teaching of our undergraduate students through regular lectures and bedside classes. Undergraduate are also involved in many research projects which are highly appreciated by our peers.

RESEARCH ACTIVITIES

Several articles have been published in peer reviewed journals and a lot more are on various stages of completion. Our trainees have presented research papers at national as well as international conferences.

ACHIEVEMENTS

We have the honor of being the first unit of Rheumatology in Sindh which is accredited by CPSP for post fellowship training program. Few of our trainee are now supervisors and running post-graduate training/fellowship programs at their centers.

We are proud and pleased to state that our department is excelling day in day out but there are still more avenues to explore and this journey is therefore on & we by the grace of Allah & our enthusiastic team will make it a world class Rheumatology unit.



Department of 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

In addition onsite, laboratory, blood bank, CT scanning, MRI, Carotid Doppler, Dialysis, Ultrasound, Pulmonary function test, diabetic care and physiotherapy services round the clock which 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 make this unit a very safe place for all sort of Thoracic Surgery procedures. All types of Pulmonary and Oesophageal surgery including minimally invasive surgery of lung and Oesophagus. Diagnostic procedures like Bronchoscopy and Mediastinoscopy.

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 and Video Assisted Thoracoscopic Surgery.

RESEARCH

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



Department of 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.

Specialized investigations and procedures are also performed for male sexual problems of erectile dysfunction and infertility.

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.



Department of 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, who includes Professor Dr. Kamal M. Yousuf, Assistant professor Dr. S.M. Hammad Alam, and senior registrar Dr. Rabia Gilani, and senior medical officers.

SERVICES

The Department of Vascular Surgery at Liaquat National Hospital provides a variety of experienced and trained Vascular Surgical services, which are available 24/7, most noticeable are as follows:

- Varicose Vein Sclerotherapy
- Varicose Vein Open Surgery
- Treatment of Hemangiomas/Venous/Arterio-Venous Malformations
- Carotid Endarterectomy and Carotid Body Tumor Excision
- Management of Acute Limb Ischemia/Embolectomy
- Surgical management of Diabetic Foot, compartment syndrome
- Management of Vascular Trauma, Firearm & Bomb blast injuries, and Road Traffic Accidents
- Treatment of Abdominal and Peripheral Arterial Aneurysms
- Treatment of Acute and Chronic Arterial Insufficiency
- Arterio-Venous Fistula Creation (also with PTEFE Graft)

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 exposed to a wide variety of vascular problems and the topics are discussed in form of lectures.

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. 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 are starting Radio-frequency ablation (RFA) procedure for Varicose Vein treatment.

Also, 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 for the year 2023/2024.



Faculty List

Name	Designation	Department
Prof. Dr. Karimullah Makki	Principal	Administration
Prof. Dr. Zia Ul Islam	Professor & HOD	Anatomy
Dr. Saima Athar	Associate Professor	Anatomy
Dr. Lubna Faisal	Assistant Professor	Anatomy
Dr. Fatima Rehman	Assistant Professor	Anatomy
Prof. Dr. Muhammad Kashif Nisar	Professor & HOD	Biochemistry
Dr. Amina Raza	Assistant Professor	Biochemistry
Dr. Faiza Agha	Assistant Professor	Biochemistry
Dr. Saima Zainab	Associate Professor	Community Medicine
Dr. Hamna Khan	Assistant Professor	Community Medicine
Prof. Dr. Syed Mukkaram Ali	Professor & HOD	Forensic Medicine
Dr. Sadia Abdul Qayyum	Assistant Professor	Forensic Medicine
Prof. Nighat Jahan Huda	Professor & HOD	Health Professionals Education
Prof. Dr. Sobia Ali	Professor	Health Professionals Education
Dr. Afifa Tabassum	Assistant Professor	Health Professionals Education
Dr. Sana Farooq Shah	Assistant Professor	Health Professionals Education
Prof. Dr. Naveen Faridi	Professor & HOD	Pathology
Prof. Dr. Shaheen Sharafat	Professor	Pathology
Dr. Amna Khurshid	Associate Professor	Pathology
Dr. Humaira Ali	Assistant Professor	Pathology
Prof. Dr. Junaid Mehmood Alam	Professor	Pathology
Dr. Naila Raza	Assistant Professor	Pathology
Prof. Dr. Syed Muhammad Irfan	Professor	Pathology
Dr. Amna Khurshid	Associate Professor	Pathology
Dr. Atif Ali Hashmi	Associate Professor	Pathology
Dr. Asad Abbas Jafri	Assistant Professor	Pathology
Dr. Rabia Ali	Assistant Professor	Pathology
Dr. Sana Anwar	Associate Professor	Pathology
Dr. Uzma Saad	Assistant Professor	Pathology
Dr. Syed Zulfiqar Ali Naqvi	Associate Professor	Pathology
Dr. Sobia Rafiq	Assistant Professor	Pathology
Prof. Dr. Tabbasum Zehra	Professor & HOD	Pharmacology
Dr. Muhammad Aitmaud Uddollah Khan	Associate Professor	Pharmacology
Dr. Fizzah Ali	Assistant Professor	Pharmacology

Faculty List

Name	Designation	Department
Prof. Dr. Syed Hafeezul Hassan	Professor & HOD	Physiology
Prof. Dr. Ahsan Ashfaq	Professor	Physiology
Dr. Naila Parveen	Associate Professor	Physiology
Dr. Shaesta Tabassum	Assistant Professor & HOD	Accident & Emergency
Dr. Muhammad Abid	Assistant Professor	Accident & Emergency
Dr. Komal Owais	Assistant Professor	Accident & Emergency
Dr. Syed Muhammad Nadeem	Assistant Professor & HOD	Anesthesiology
Prof. Dr. Muhammad Sirajuddin	Professor	Anesthesiology
Prof. Dr. Nighat Abbas	Professor	Anesthesiology
Dr. Syed Muhammad Nadeem Naqvi	Associate Professor	Anesthesiology
Dr. Ghulam Murtaza	Associate Professor	Anesthesiology
Dr. Muhammad Amim Anwar	Assistant Professor	Anesthesiology
Dr. Arif Ifthikhar Mallhi	Assistant Professor	Anesthesiology
Dr. Sarosh Rifaqat Sher	Assistant Professor	Anesthesiology
Dr. Ali Asgher	Assistant Professor	Anesthesiology
Dr. Sabahat Tariq	Assistant Professor	Anesthesiology
Dr. Hafeez Ahmed	Associate Professor & HOD	Cardiology
Prof. Dr. Tariq Azam Siddiqi	Professor	Cardiac Surgery
Dr. Mohammad Qaiser Aziz Khan	Assistant Professor	Cardiac Surgery
Prof. Dr. Syed Ishtiaq Rasool	Professor	Cardiology
Dr. Faisal Ahmed	Assistant Professor	Cardiology
Dr. Najia Aslam Soomro	Assistant Professor	Cardiology
Dr. Kaleem Ullah Sheikh	Assistant Professor	Cardiology
Dr. Imran Khan Sandeelo	Assistant Professor	Cardiology
Dr. Saima	Assistant Professor	Cardiology
Prof. Dr. Syed Ali Arsalan	Professor & HOD	Chest Medicine
Dr. Zafar Ahmed	Associate Professor	Chest Medicine
Dr. Syed Tabish Rehman	Assistant Professor	Chest Medicine
Dr. Saima	Assistant Professor	Chest Medicine
Dr. Tauqirul Islam	Associate Professor & HOD	Dental & Maxillofacial Surgery
Dr. Sheikh Haroon Shah	Assistant Professor	Dental & Maxillofacial Surgery
Dr. Syed Tahir Husain	Assistant Professor	Dental & Maxillofacial Surgery
Dr. Syed Hatim Ali Shah	Assistant Professor & HOD	Dermatology
Dr. Ayesha Hina	Assistant Professor	Dermatology

Faculty List

Name	Designation	Department
Dr. Aqiba Sarfraz	Associate Professor & HOD	Endocrinology
Dr. Ali Asghar	Assistant Professor	Endocrinology
Dr. Muhammad Owais Rashid	Assistant Professor	Endocrinology
Dr. Ahmad Nawaz Ahmad	Associate Professor & HOD	ENT
Prof. Dr. Shakil Aqil	Professor	ENT
Dr. Saeed Akhtar	Assistant Professor	ENT
Dr. Rabeeya Saeed	Assistant Professor & HOD	Family Medicine
Prof. Dr. Muhammad Mansoor-Ul-Haq	Professor & HOD	Gastroenterology
Dr. Sajjad Jamil	Associate Professor	Gastroenterology
Prof. Dr. Lubna Kamani	Professor	Gastroenterology
Dr. Shahid Karim	Associate Professor	Gastroenterology
Mr. Dr Rajesh Kumar Wadhwa	Assistant Professor	Gastroenterology
Dr. Baseer Sultan Ahmed	Assistant Professor	Gastroenterology
Dr. Pervez Ashraf	Assistant Professor	Gastroenterology
Mr. Shanil Kadir	Assistant Professor	Gastroenterology
Prof. Dr. Karimullah Makki	Professor & HOD	General Medicine
Dr. Syeda Nosheen Zehra	Associate Professor	General Medicine
Prof. Dr. Kamal Ahmed	Professor	General Medicine
Dr. Zunairah Rais	Assistant Professor	General Medicine
Dr. Samar Abbas Jaffri	Assistant Professor	General Medicine
Dr. Mohammad Irfan Ahsan	Assistant Professor	General Medicine
Dr. Miray Hassan	Assistant Professor	General Medicine
Dr. Sidra Rauf	Assistant Professor	General Medicine
Dr. Muhammad Owais Khan	Assistant Professor	General Medicine
Dr. Rabeeya Shah	Assistant Professor	General Medicine
Prof. Dr. Rufina Soomro	Professor & HOD	General Surgery
Prof. Dr. Muhammad Nadeem Khurshaidi	Professor	General Surgery
Prof. Dr. Salman Faridi	Professor	General Surgery
Dr. Faisal Siddiqi	Associate Professor	General Surgery
Dr. Syed Sheeraz Ur Rehman	Associate Professor	General Surgery
Dr. Zahid Habib	Assistant Professor	General Surgery
Dr. Mirza Arshad Beg	Assistant Professor	General Surgery
Dr. Afsheen Javiad Khokher	Assistant Professor	General Surgery
Dr. Aisha Taj	Assistant Professor & HOD	Gynae & Obs

Faculty List

Name	Designation	Department
Prof. Dr. Kaniz Zehra Naqvi	Professor	Gynae & Obs
Dr. Qurat-Ul-Aman Siddiqui	Associate Professor	Gynae & Obs
Dr. Uzma Shabab	Assistant Professor	Gynae & Obs
Dr. Tahira Yasmeen	Assistant Professor	Gynae & Obs
Dr. Maria Jabeen	Assistant Professor	Gynae & Obs
Prof. Dr. Kunwer Naveed Mukhtar	Professor & HOD	Nephrology
Dr. Farzana Adnan	Assistant Professor	Nephrology
Dr. Fahad Nasim	Assistant Professor	Nephrology
Dr. Naila Asif	Associate Professor	Nephrology
Dr. Syed Ahmed Asif	Assistant Professor & HOD	Neurology
Dr. Hazim M. Yousuf Brohi	Associate Professor	Neurology
Dr. Naveed Uddin Ahmed	Assistant Professor	Neurology
Dr. Rajesh Kumar	Assistant Professor	Neurology
Dr. Saba Zaidi	Assistant Professor	Neurology
Prof. Dr. Salman Yousuf Sharif	Professor & HOD	Neurosurgery
Dr. Manzar Hussain	Associate Professor	Neurosurgery
Dr. Muhammad Aamir Saghir	Associate Professor	Neurosurgery
Dr. Saad Akhtar Khan	Assistant Professor	Neurosurgery
Dr. Muhammad Yousuf Shaikh	Assistant Professor	Neurosurgery
Prof. Dr. Naila A. Zahid	Professor & HOD	Oncology
Dr. Hira Khan Afridi	Assistant Professor	Oncology
Dr. Aatur Rehman	Associate Professor & HOD	Ophthalmology
Prof. Dr. Imran Ghayoor	Professor	Ophthalmology
Prof. Dr. Munira Shakir	Professor	Ophthalmology
Prof. Dr. Abdul Hameed Siddiqui	Professor	Ophthalmology
Dr. Azam Ali	Associate Professor	Ophthalmology
Dr. Shahab Ul Hasan Siddiqui	Assistant Professor	Ophthalmology
Prof. Dr. Syed Shahid Noor	Professor & HOD	Orthopedic Surgery
Prof. Dr. Intikhab Taufiq	Professor	Orthopedic Surgery
Prof. Dr. Zaki Idrees	Professor	Orthopedic Surgery
Dr. Muhammad Kazim Rahim	Associate Professor	Orthopedic Surgery
Dr. Muhammed Asif Peracha	Assistant Professor	Orthopedic Surgery
Dr. Muhammad Sufyan	Assistant Professor	Orthopedic Surgery
Dr. Nasir Ahmed	Assistant Professor	Orthopedic Surgery

Faculty List

Name	Designation	Department
Prof. Dr. Mehnaz Atiq Ahmed	Professor & HOD	Paediatric Medicine
Prof. Dr. Samina Shamim	Professor	Paediatric Medicine
Dr. Syed Kashif Zaidi	Associate Professor	Paediatric Medicine
Dr. Atika Sher	Assistant Professor	Paediatric Medicine
Dr. Syeda Nazish Azim	Assistant Professor	Paediatric Medicine
Dr. Raman Kumar	Assistant Professor	Paediatric Medicine
Dr. Muhammad Kamran Younis Memon	Assistant Professor	Paediatric Medicine
Dr. Shabbir Ahmed Mallick	Assistant Professor	Paediatric Medicine
Dr. Hanif Kamal	Assistant Professor	Paediatric Medicine
Dr. Durr-E-Shahwar Khan	Assistant Professor	Paediatric Medicine
Dr. Sanam Bano	Assistant Professor	Paediatric Medicine
Dr. Muhammad Tariq Jamil	Assistant Professor	Paediatric Medicine
Dr. Hina Yousuf	Assistant Professor & HOD	Paeds Surgery
Prof. Dr. Shabbir Hussain	Professor	Paeds Surgery
Prof. Dr. Muhammad Arshad	Professor	Paeds Surgery
Prof. Dr. Mirza Shehab Afzal Beg	Professor & HOD	Plastic Surgery
Prof. Dr. Moiz Sadiq	Professor	Plastic Surgery
Dr. Mohammad Shahab Ghani	Assistant Professor	Plastic Surgery
Dr. Afaq Saleem Siddiqui	Assistant Professor	Plastic Surgery
Dr. Obaid Ur Rehman	Assistant Professor	Plastic Surgery
Dr. Iqtaydar Taufiq	Associate Professor & HOD	Psychiatry
Dr. Zaib Un Nisa	Assistant Professor	Psychiatry
Prof. Dr. Muhamamd Ayub Mansoor	Professor & HOD	Radiology
Prof. Dr. Saleha Anwar	Professor	Radiology
Dr. Bushra Shamim	Associate Professor	Radiology
Dr. Muhammad Misbah Tahir	Associate Professor	Radiology
Dr. Sadaf Nasir	Associate Professor	Radiology
Dr. Jawaid Iqbal	Assistant Professor	Radiology
Dr. Asif Khan Mateen	Assistant Professor	Radiology
Dr. Muhammad Ali	Assistant Professor	Radiology
Dr. Rizwan Ajmal	Assistant Professor	Radiology
Dr. Danial Khalid Siddiqui	Assistant Professor	Radiology
Dr. Tahira Parveen Umer	Assistant Professor & HOD	Rheumatology
Dr. Amir Riaz	Assistant Professor	Rheumatology

Faculty List

Name	Designation	Department
Dr. Lubna Nazir	Assistant Professor	Rheumatology
Dr. Syed Mahmood Ul Haq	Assistant Professor & HOD	Thoracic Surgery
Dr. Aziz Abdullah	Assistant Professor & HOD	Urology
Dr. Iqbal Shahzad	Assistant Professor	Urology
Dr. Syed Farhan Ahmed	Assistant Professor	Urology
Dr. Agha Ghulam Mustafa	Assistant Professor	Urology
Dr. Shahab Javid	Assistant Professor	Urology
Dr. Waqas Ahmed Memon	Assistant Professor	Urology
Dr. Muhammad Rashid	Assistant Professor	Urology
Prof. Dr. Kamal Muhammad Yousuf	Professor & HOD	Vascular Surgery
Dr. Syed Muhammad Hammad Alam	Assistant Professor	Vascular Surgery

Prospectus 2023



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 President Iskander Mirza. It started with four opd services and 50 beds and has now grown into the biggest private tertiary care center in Karachi. Boasting a bed strength of 752 beds with diagnostic and treatment services in more than 30 medical and surgical specialties.

The main objective of LNH is to provide advanced, integrated and patient centered health care services. LNH also holds the mantle of being one of the largest training institutes in the private sector with 30 recognized training programs in various clinical and non-clinical departments.

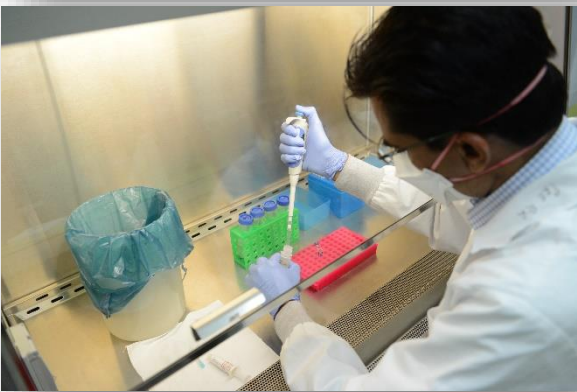
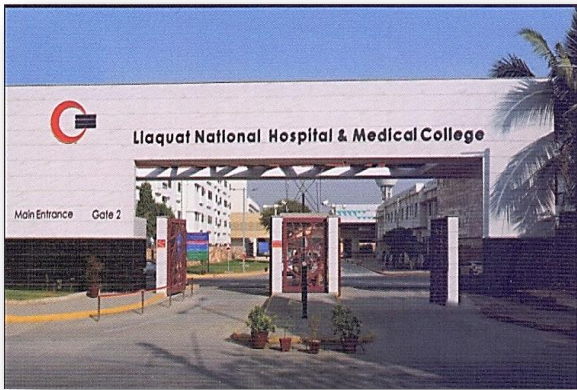
The hospital is equipped with cutting-edge technology to detect, diagnose and deliver top of the line healthcare. It is widely acclaimed as the “Hospital of Last Resort” both nationally and internationally.

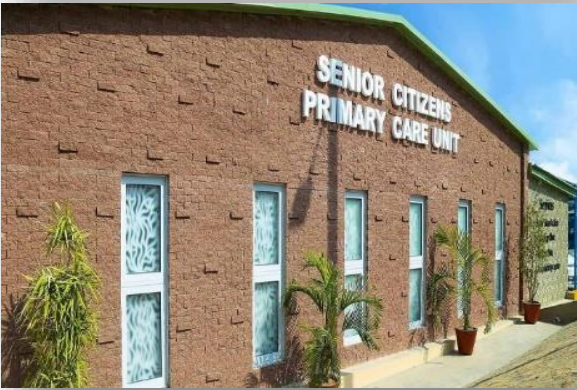
LNH has a mammoth annual patient turnover exceeding 2 million patients and procedures exceeding 1 million. With such a load it becomes a fertile training and grooming ground for students, doctors and paramedical staff.

Our hospital has multiple state-of-art facilities like:

- 24/7 Accident and Emergency services for both adult and paediatric patients.
- Round the clock Laboratory and Pharmacy facilities.
- Radiology Department comprises state-of-the-art imaging facilities.
- VIR (Vascular Interventional Radiology) services available 24/7.
- Largest Critical Care service of Pakistan with 89 ICU beds and 84 high dependency/ step-down units.
- Blood bank with component separator and advanced equipment. Blood donation and collection is available 24/7.
- Outreach Medical Services locations in different areas of Karachi.
- Home health services.
- Child and adolescent psychiatry unit.
- Patient-centered Occupational and Speech Therapy services takes interdisciplinary approach to take care of the patients for the purpose of promoting independence, maximizing function and initiating the rehab continuum of care.
- Orthotic and prosthetic appliances production unit.
- Pakistan’s first Senior Citizen Primary Care unit.
- A Social Services Department for financial and social support to deserving patients.

- Sports ground and gymnasium.
- A baby day care Centre for the children of working mothers at LNH/LNMC and other institutes of LNH.
- Special state-of-the-art kitchen catering to patients, faculty, students and visitors' needs with take home food facility for staff.





Recognized Postgraduate Training Programmes at LNH

Sr. No.	Name of Department	Training Program(s)
01	Anatomy	FCPS
02	Anaesthesia	FCPS, MCPS
03	Biochemistry	FCPS
04	Cardiac Surgery	FCPS
05	Cardiology	FCPS
06	Chemical Pathology	FCPS
07	Emergency Medicine	FCPS
08	Diagnostic Radiology	FCPS, FRCR
09	E.N.T	FCPS
10	Family Medicine	FCPS, MCPS
11	Gastroenterology	FCPS
12	General Medicine	FCPS, MRCP
13	General Surgery	FCPS, FRCS
14	Haematology	FCPS
15	Histopathology	FCPS
16	Maxillofacial Surgery	FCPS
17	Microbiology	FCPS
18	Nephrology	FCPS
19	Neurology	FCPS
20	Neurosurgery	FCPS
21	Obstetrics & Gynaecology	FCPS, MRCOG
22	Ophthalmology	FCPS
23	Orthopaedic Surgery	FCPS
24	Paediatric Medicine	FCPS, MCPS
25	Paediatric Surgery	FCPS
26	Paediatric Cardiology	FCPS
27	Physiology	FCPS

Sr. No.	Name of Department	Training Program(s)
28	Plastic Surgery	FCPS
29	Psychiatry	FCPS, MCPS
30	Pulmonology	FCPS, MCPS
31	Urology	FCPS
32	Oncology	FCPS
33	Endocrinology	FCPS
34	Rheumatology	FCPS
35	Breast Surgery	FCPS
36	Thoracic Surgery	FCPS
37	Paediatric Critical Care Medicine	FCPS
38	Pharmacology	FCPS
39	Spinal Surgery	Fellowship Programme
40	Retinal Surgery	Fellowship Programme
41	Breast Surgery	Fellowship Programme
42	Arthroplasty	Fellowship Programme

STUDENT'S COMMITTEES / 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.

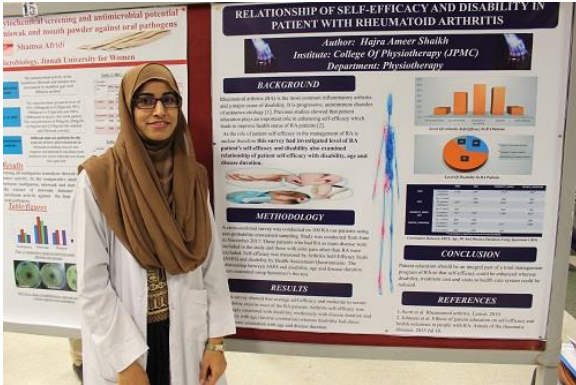
- Art & Culture Society
- Literary & Debating Society
- Music & Drama Society
- Sports Society
- Research Committee
- Helping Hands / Philanthropic Society
- Magazine Society
- Yearbook Committee
- Social Society

Extra-Curricular Activities

Extra-Curricular Activities



Extra-Curricular Activities



Extra-Curricular Activities



Extra-Curricular Activities



Convocation

Convocation



Prospectus 2023

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 in decision-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 programs 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 peripheral hospitals. Some of these include Dr Yousuf Shaikh (Neurosurgeon), Dr Zubda Malik (Urologist) and Dr Syed Sharik ullah (Radiologist).

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.

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

LNMC Alumni have organized various events including concerts for the purpose of fund raising and have been closely in-touch with hospital's Helping Hands Society that provides free medical services to deserving patients.

The Alumni association of LNMC was established in 2013 with the aims to:

1. Be the leaders of their alumni in terms of resources and support provision to Almamater.
2. Remain in contact with the college faculty and all col- leagues.
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.