Paediatrics and Child Health

The Residency Programme in Department of Paediatrics, division of Maternal and Child Health at the Aga Khan University Hospital was started in 1986. Since then, the department has occupied a distinguished place in the history of AKU, with a continuous tradition of excellence in patient care, teaching and research. Our aim is to provide every resident a comprehensive and broad-based foundation in Paediatrics so that they graduate as highly competent paediatricians, well equipped to begin a career in general Paediatrics or join a subspecialty or academic fellowship.

Skilled, dedicated faculty and strong subspecialty rotations attract a large number of nationwide and regional referrals. As a result not only the patient load is well balanced but the residents gain experience in a wide spectrum of diseases.

Throughout their four year training, residents gain a broad base of experience in general Paediatrics, at secondary and tertiary care level, plus exposure in neonatology, Paediatric emergency medicine, Paediatric intensive care and following subspecialties Cardiology, Haematology/Oncology, Infectious diseases, Neurology, Nephrology, Endocrinology and Paediatric surgery.

The training is recognised by the College of Physicians and Surgeons, Pakistan for FCPS Part II and by the Royal College, UK, for MRCPCH Part II.

Eligibility

- MBBS or equivalent degree approved by the PM&DC
- One year internship with six months in Medicine and allied (Paediatrics will be given preference) and six months in Surgery and allied disciplines
- FCPS Part I in Medicine and allied will be preferred
- Candidates are required to sit for an entry examination in August/September each year. After the written examination, candidates are called for an interview before final selection for the programme.

Scope and content

Clinical training
Paediatric training is a graded experience offering more independence, teaching opportunities and supervisory roles as the resident progresses through training.

Year 1
Emphasis during the first year is on direct patient care and acquisition of the basic knowledge and technical skills essential for the care of both sick and well newborn, infants and children. First year assignments include rotations to the off campus hospitals and at main campus in the general Paediatric services neonatology and Emergency Room. The first year resident is the primary physician on all of the inpatient units and is expected to make daily work rounds, to collect and interpret data and gain experience in patient management under the supervision of senior residents and faculty.

Year 2
During the second year, resident's progress into a senior role assisting first year residents, helping students in clerking patients, they are assigned to general Paediatric, ambulatory care, NICU and Emergency Room. Second year is also the time when the residents are rotated through the subspecialty areas as part of their training. They are assigned in the wards and are primarily responsible for the patients in the team. They are expected to ensure that good quality medical records are being kept, to prepare for clinical presentations and to help in medical audit, mortality and morbidity meetings.

Year 3
This year is structured to permit the resident to function primarily in an independent capacity and to further pursue specific career goals. As a senior resident, he/she may be assigned rotations through all the inpatient areas of the
department, ambulatory care and subspecialty rotations. Residents are expected to exhibit leadership skills, independent decision-making and co-ordinate various ward activities.

During this year, they are expected to submit their dissertation to fulfill the requirement of FCPS Part II Examination.

**Year 4**

During the fourth year, the resident spends more time in supervisory roles. They are assigned to inpatient, ambulatory and intensive care unit. An elective period in a subspecialty of the resident's choice is also part of the fourth year. Flexibility in these rotations and elective assignment allows for individual preference and continued exploration of career goals.

Their role includes teaching junior residents and students and co-coordinating postgraduate sessions. They are also expected to give lectures and tutorials to students and undergraduates.

**Off campus Hospitals rotations**
Mandatory rotations at four off campus sites Garden, Karimabad, Kharadar and Hyderabad are part of training during the first two years of residency which provides primary and secondary level of General Paediatric Neonatology, ambulatory and emergency care rotations.

**Research**
The Department of Paediatrics, Maternal and Child Health has extensive clinical and outreach research programs that provide excellent opportunities for residents to pursue elective rotations at a senior level. A wide variety of basic science research is continuously conducted throughout the department. Residents are encouraged to participate in research projects conducted by our diverse faculty, throughout their residency.

**Didactic content**
The didactic portion of the curriculum is organised to present knowledge which comprises current and evidence based practices in Paediatrics. The teaching sessions include comprises a patient care meeting, monthly grand rounds, journal club, case conferences, clinical seminars, long and short case discussions and postgraduate lectures. In addition to these, there are perinatal and Paediatric morbidity and mortality meetings, ICU and Radiology conferences. Guest lectures by eminent paediatricians from Pakistan and overseas are arranged regularly. It is the mission of our programme to produce excellent clinicians who are competent to face the challenges of entire range of paediatric population with competence and fundamental modalities of therapy currently available in this contemporary era.

**Fellowship**
Our fellowship programme recruits individuals interested in outstanding clinical care and multidisciplinary research. We offer a wide variety of research and training opportunities that are tailored to their individual needs. These fellowships support basic and clinical research education. The Department of Paediatrics and Child Health is currently offering fellowship in Neonatology, Cardiology, Infectious diseases, Haematology-Oncology and Neurology.

**Evaluation**
Residents are evaluated by the faculty regularly. In addition to continuous evaluation, multiple choice questions, slide test, tutorials and presentations are used for resident evaluation. A Task Oriented Assessment of Clinical Skills (TOACS) format exam is also arranged every year to train residents and evaluate them on regular basis. Resident promotion is dependent on meeting promotion criteria set by the department of Paediatrics

**On-call duties**
There is a one-in-four (or three) nights on-call and weekends on-call roster.

One senior resident Year 1 or Year 2 is on night call in NICU to cover NICU, Labor Room and Operating Room. One Year 3/4 Resident works as a floater on night call and can be called to any area, i.e. ER, Ward, NICU or wherever the need arises. One Year 3/4 resident is on call for Paediatric ICU. Each area is supported by our on-call faculty members.
Positions available

Regular positions:  
There are 57 regular positions.

Flexible Residency programme:  
A flexible training programme was introduced to benefit those physicians who are unable to attain training because of the inability to adjust to fixed training hours because of well-founded individual reasons. Two positions are available.

Administrative set-up

Full-time Faculty

Interim Chairman Division of Maternal & Child Health

Dr Iqtidar Ahmad Khan  
MBBS (Peshawar); DCH (Glasgow); MRCP, FRCP (Ireland); FRCPCH UK; Fellowship in Paediatric Nephrology, (Canada)

Chairman Paediatrics & Child Health

Dr Salman Kirmani  
MBBS (DOW); Fellowship in Paediatric Endocrinology (USA), Fellowship in Medical Genetics (USA), Diplomate American Board of Medical Genetics, Diplomate American Board of Paediatrics & Paediatric Endocrinology

Professors

Dr Mehnaz Atiq  
MBBS (India); FCPS Paediatrics FCPS Paediatrics Cardiology, Fellowship in Interventional Paediatric Cardiology (Canada)

Dr Shahnaz H. Ibrahim  
MBBS (Karachi); FCPS; Clinical Fellowship in Paediatric Neurology (Canada)

Associate Professors

Dr Zehra Fadoo  
MBBS (Karachi); FAAP, (USA); Diplomat American Board of Paediatrics, (USA); Fellowship in Paediatric Haematology and Oncology (USA) Diploma in Clinical Epidemiology (Karachi)

Dr Anwar ul Haque  
MBBS (Karachi)  
Diplomate, American Board of Paediatrics & Paediatrics Critical Care Medicine, (USA)

Dr Muhammad Sohail Salat  
MBBS Karachi; FAAP (USA)  
Diplomate American Board of Paediatrics (USA); Fellowship in Neonatology (USA)

Dr Sajid Bashir Soofi  
MBBS (Punjab); FCPS

Dr. Babar Hasan  
MD, FAAP, FACC, Diplomate American Board of Paediatrics, Diplomate American Board of Paediatric Cardiology
Dr. Syed Asad Ali
MBBS (Karachi), Diplomate American Board of Paediatrics (USA),
Diplomate American Board of Paediatric Infectious Disease (USA), MPH (USA)

Assistant Professors

Dr Arshalooz Jamila Rahman
MBBS (Karachi), FCPS
Diplomate, American Board of Paediatrics; Fellowship in Paediatric Nephrology (USA)

Dr Khadija Nuzhat Humayun
MBBS (Karachi) FCPS, Clinical fellowship in Paediatric Endocrinology (UK)
Advance Diploma in HPE (Karachi)

Dr. Bushra Afroze
MBBS (Karachi); DCH (Karachi); MCPS (Pakistan), FCPS (Pakistan); Fellowship in Clinical Genetics and Metabolic Disorders, (Malaysia)

Dr Syed Rehan Ali
MBBS (Karachi); DCH (Ireland); MRCP (Ireland);

Dr. Shabina Ariff
MBBS (Karachi), FCPS (Paediatrics) FCPS (Neonatology)

Dr Khalil Ahmed
MBBS (Karachi); DCH;

Dr. Farah Naz
MBBS (Karachi), DCH, FCPS, Fellowship in Paeds Infectious Disease (Karachi),
MSC in Epidemiology & Biostatics (Karachi)
Director Residency Program

Dr. Ali Faisal Saleem
MBBS (Karachi), FCPS, Fellowship in Paeds Infectious Disease (Karachi),
Masters in Clinical Research (Karachi)
Coordinator Residency Program

Dr. Fatima Mir
MBBS (Peshawar), FCPS (Karachi)
Masters in Clinical Research, USA

Dr. Fyezah Jehan
MBBS (Karachi), FCPS (Paediatric Medicine)
MSC in Epidemiology & Biostatics (Karachi)

Dr. Atika Sher Mohammad
MBBS (Karachi), FCPS (Karachi)

Dr. Heeramani Lohana
MBBS (Hyderabad), FCPS (Karachi)

Dr. Prem Chand
MBBS (Hyderabad), FCPS, Fellowship in Paediatrics Neurology (Karachi).
Coordinator Residency Program

Dr. Sheikh Imran Aslam
MBBS (Karachi), MRCPH (UK)
Dr. Kamran Sadiq  
MBBS (Hyderabad), FCPS, Fellowship in Paediatric Gastroenterology (Canada)

**Senior Instructors**

Dr. Farida Jan  
MBBS (Baluchistan), FCPS (Karachi)

Dr. Humaira Jurair  
MBBS (Karachi), FCPS (Karachi)

Dr. Esme Victoria  
MBBS (Karachi), FCPS (Karachi)

Dr. Sarwat Urooj  
MBBS (Hyderabad), FCPS (Karachi)

Dr. Arjumand Sohalla  
MBBS (Karachi), FCPS (Karachi)

Dr. Nadia Muhammad  
MBBS (Hyderabad), FCPS (Karachi)

**Geographic Full Time & Non Full Time Faculty**

Dr Abdul Gaffar Billoo  
MBBS (Karachi); DCH (Glasgow); DTM&H (London), FRCP (Edinburgh)

Dr Shaikh Qamaruddin Nizami  
MBBS (Peshawar); MCPS, FCPS

Dr Adina Rihab Sheikh-Sajjad  
MBBS (Karachi), LRCP, LRCS, LMSSA (UK)

Dr Asma Fozia Qureshi  
MBBS (Karachi); DCH (Glasgow); FCPS

Dr Durr-e-Samin Akram  
MBBS (Karachi); MPH (USA)  
Diplomate, American Board of Paediatrics; FAAP (USA)

Dr Farhana Amanullah  
MBBS AKU  
Diplomate American Board of Paediatrics; Fellowship in Nephrology (USA)

Dr Iqbal Ahmed Memon  
MBBS (Karachi); FRCP (Canada)  
Diplomate, American Board of Paediatrics; Fellowship in Paediatric Gastroenterology; FAAP (USA)

Dr Mohsin Ahmed  
MBBS (India); FRCP (Glasgow); DCH (London); MRCP (Glasgow)

Dr Najam Z. Sheikh  
MBBS (Karachi); FAAP (USA)  
Diplomate American Board of Paediatrics
Dr Naseeruddin Mehmood  
MBBS (Karachi); FAAP (USA)  
Diplomate American Board of Paediatrics; Fellowship in Neonatology (Canada)

Dr Parveen Mufti  
MBBS Karachi  
Diplomate, American Board of Paediatrics; FAAP (USA)

Dr Salahuddin Shaikh  
MBBS (Karachi); DCH (England); FRCP (Glasgow); MRCP, FRCPCH (UK)

Dr Sohail Thobani  
MBBS (Karachi)  
Diplomate, American Board of Paediatrics, Paediatric Gastroenterology and Nutrition (USA); FAAP (USA)

Dr Najam Zafar Shaikh  
MBBS (Karachi)  
Diplomate, American Board of Paediatrics; FAAP (USA)

Dr Zeenat Issani  
MBBS (Punjab); FCPS, MRCP, FRCP (UK)

Dr Zohair Ali Nanjiani  
MBBS (Karachi); Fellowship, Adult and Paediatric Neuromuscular Disorders, Electromyography, Adult Neurorehabilitation and Muscular Dystrophy Research (USA)