

with this disease receive treatment and follow up for their multiple complex problems in a timely and effective manner. There are also on-going research projects that are investigating the genetics of the disease and will participate in genetic counselling for this condition.

Research

The Programme is actively engaged in several research studies that will improve the knowledge and management of disease in Pakistan. These include:

- Cystic Fibrosis (CF) mutation analysis in Pakistani patients
- Genotype/phenotype correlations of CF mutations in Pakistani patients
- Study of causes of hepatic failure in Pakistani children
- Growth assessment and monitoring of children
- Study of coeliac disease in Pakistani patients
- Study of the prevalence of the hepatitis viruses in Pakistani children
- Autoimmune hepatitis in children
- Progressive familial intrahepatic cholestasis and Alagille's syndrome

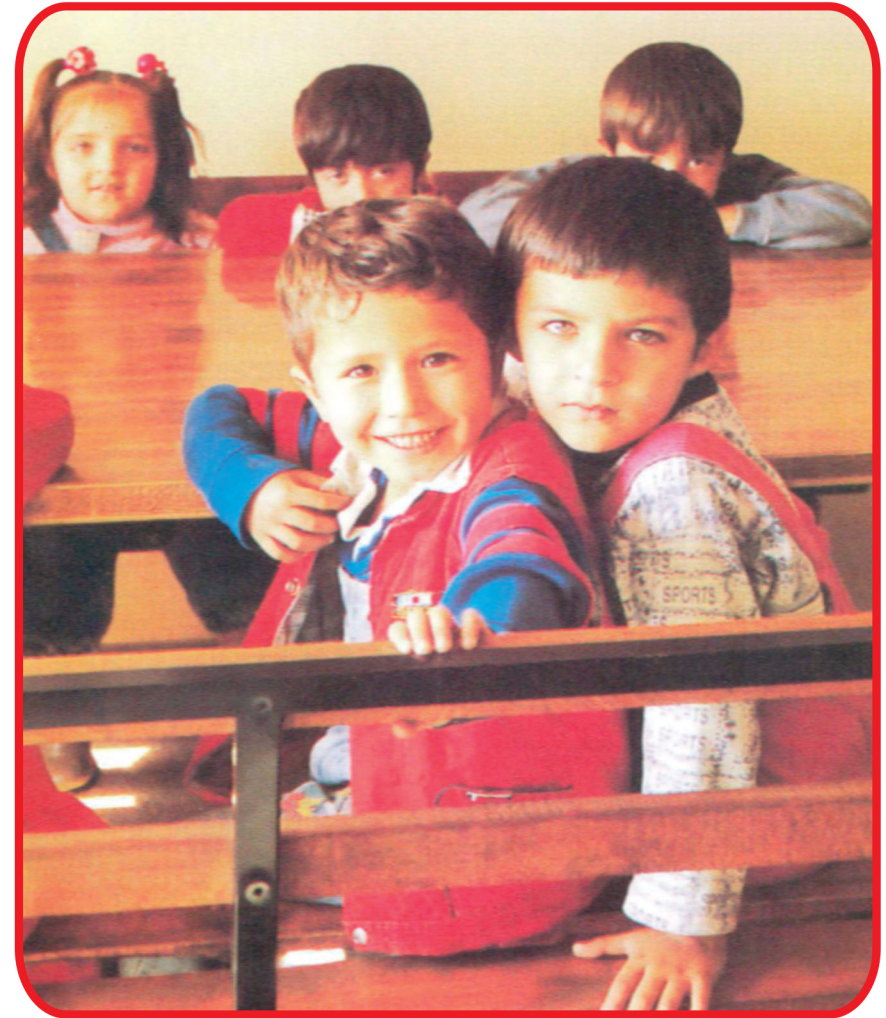
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PAEDIATRIC GASTROENTEROLOGY, HEPATOLOGY AND NUTRITION



آغا خان یونیورسٹی ہسپتال، کراچی

The Aga Khan University Hospital, Karachi



A Unit of The Aga Khan Hospital and Medical College Foundation; Licensed under Section 42 of the Companies Ordinance, 1984
Registered Office: Stadium Road, P. O. Box 3500, Karachi 74800, Pakistan

The Programme in Paediatric Gastroenterology, Hepatology and Nutrition at Aga Khan University Hospital (AKUH) provides comprehensive quality care for gastrointestinal, hepato biliary, pancreatic and nutritional problems. The Programme provides a full range of specialised state-of-the-art services that deal with common as well as complex problems in infants, children and adolescents.

Inpatient Service

The Programme's Inpatient Service offers high-level patient care, provided by a multi-disciplinary team, comprising of attending physicians, advanced nurses, residents, nursing staff and nutritionists. The Service has the full support of superb state-of-the-art specialities such as Paediatric Cardiology, Haematology & Oncology, Infectious disease, Surgery, Neurology, Nephrology, as well as Radiology and Pathology. This enables the Service to ensure maximum quality of care.

Outpatient Service

The Outpatient Service provides consultative services three times a week and receives referrals from all over Pakistan as well as internationally.

Service for Liver Disease in Children

Over the years the Programme has developed expertise in the management of both simple as well as complex liver disease. Consultation and management is provided for a wide variety of hepato-biliary illnesses by specialists trained in this field. The Service provides an excellent multi disciplinary approach to the diagnosis and treatment of diseases such as Hepatitis, Chronic liver disease and its complications, Storage disorders, Neonatal hepatitis, Biliary atresia, Inherited metabolic liver disease, Autoimmune hepatitis and more -all under one roof.

General Gastroenterology

A full range of gastrointestinal and pancreatic disorders receive state-of-the-art care. This includes the diagnosis and management of malabsorptive disorders such as Coeliac disease, Allergic enteropathies, Inflammatory bowel disease, Autoimmune enteropathies, Necrotizing Enterocolitis, Short gut syndromes, Hirschsprung's disease and Irritable Bowel syndrome. It also caters to the diagnosis and management of simple diarrhoeal diseases and constipation, gastritis, peptic ulcer disease and Helicobacter pylori infection. A comprehensive care programme for patients with Coeliac disease is offered.

Service for Therapeutic and Diagnostic Endoscopy

Paediatric Endoscopy is performed at a well equipped designated endoscopy suite that is staffed with internationally trained professionals. All endoscopic procedures are conducted by highly trained gastroenterologists who ensure accurate diagnosis and effective management of disease. The Endoscopy services are in a constant state of improvement with technology that is up to date with the rest of the world.

The programme offers specialised Therapeutic endoscopic procedures such as:

- Variceal Band Ligation
- Sclerotherapy
- Polypectomy
- Dilatation of strictures
- Heater Probe Coagulation
- Foreign body removal
- Botox injection

It also offers the following procedures of Diagnostic endoscopy and Endoscopic Endoscopic ultrasound:

- Oesophagogastroduodenoscopy (Upper Endoscopy)
- Colonoscopy (Lower Endoscopy)
- Sigmoidoscopy

Nutrition Services

The Programme is one of its kind in Pakistan and provides **Paediatric Parenteral Nutrition** under the care of a team of physicians, nutritionists and pharmacists. Parenteral nutrition is an important form of nutritional rehabilitation that entails the use of specialised nutritional preparations particularly designed for paediatric and neonatal use.

It also provides **enteral nutritional support** for all nutritional problems with tube feedings, special diet evaluations, growth assessment, nutritional status assessment and obesity management. It specially caters to patients with failure to thrive and growth impairment.

Cystic Fibrosis

AKUH is the only Hospital in Pakistan that offers screening, diagnosis and comprehensive multi-disciplinary management of cystic fibrosis. Children