

New Year
Edition **2024**

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Help complete the construction of
**SHAUKAT KHANUM
CANCER HOSPITAL
KARACHI**
#LetsMakeItHappen

Donate generously and be a part of this extraordinary journey of bringing hope to cancer patients, closer to their homes.



400+
beds



FREE
treatment for
75% patients



Sharing the burden of
180,000+
new cancer patients
in Pakistan each year

Imran Khan Cancer Appeal, Inc. is a registered, nonprofit charitable organization under section 501(C) (3) of the IRS.
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CONSTRUCTION UPDATE:

Ongoing Finishing Works at SKMCH&RC, Karachi



Major Updates:

- Walk-in Clinic for cancer screening and triaging in May 2023.
- Heating, Ventilation and Air Conditioning (HVAC) ducting and insulation works in progress.
- Ongoing internal masonry and plaster works.
- Flooring works at the Ground and the First floors of the main building, and administration building near completion.
- Mechanical, Electrical, and Plumbing (MEP) piping works, cable laying within the buildings in progress.
- External infrastructure development in progress.
- Water-proofing for the main building, waste drainage system, and roof water proofing in progress.



Challenges:

- High inflation due to rupee depreciation against US\$.
- Construction material supply-chain issues due to import challenges.

US\$ 38 million
utilised for construction

US\$ 67 million
still needed for finishing works & equipment



Umar from Sindh, photographed during a visit to Shaukat Khanum Hospital in Lahore. Many patients like him await your support to help complete Pakistan's third Shaukat Khanum Hospital in Karachi.

Become a Founding Donor of SKMCH&RC, Karachi by Donating US\$ 5,000

The names of the Founding Donors will be etched on the Founding Donors' Wall that will be unveiled at the time of the inauguration of the project.





Shaukat Khanum Obtains QOPI® Certification

In September 2023, the Shaukat Khanum Memorial Cancer Hospital and Research Centres in Lahore and in Peshawar received certification by the Quality Oncology Practice Initiative (QOPI®) Certification Program, which is associated with the American Society of Clinical Oncology (ASCO). This recognition by ASCO makes Pakistan the first country in South Asia and the sixth country in the world to have obtained this certification, outside of the USA. The QOPI® Certification Program provides a three-year certification for outpatient haematology-oncology practices that meet internationally recognised standards for quality cancer care. Our certification demonstrates the hospital's commitment to providing high-quality care for all patients, irrespective of their ability to pay. SKMCH&RC participated in a comprehensive site assessment and performed exceptionally well by meeting all 22 quality standards and achieving a perfect score.

NEWS FROM SKMCH&RC, PESHAWAR

Palliative Care Available at Home Now

The Shaukat Khanum Home Palliative Care Service is now available for patients in Lahore and Peshawar to help expand access to palliative care and improve the quality of life of our patients, in their homes. In October this year, the first home palliative care visit was carried out in Peshawar for a bed-ridden patient who is terminally ill with cancer. The service includes home visits by a team of specialist doctors and nurses, ensuring that our patients receive the care they need, where they need it. SKMCH&RC already offers outpatient palliative care consultation and inpatient care for all its patients.

EQUIPMENT UPDATE

A New Linear Accelerator Inaugurated at SKMCH&RC, Lahore



A top-of-the-line Halcyon linear accelerator with advanced radiotherapy capability was inaugurated in August 2023 in the Department of Clinical and Radiation Oncology at Shaukat Khanum Memorial Cancer Hospital and Research Centre, Lahore.

The Halcyon is six times faster than conventional LINACs, meaning that more patients can be treated in the same amount of time. The shorter time spent on the machine, its wider bore and integrated ambient lighting, all result in a more

comfortable and satisfying patient experience. The Halcyon's state-of-the-art six-point safety system allows closer monitoring of the patient throughout treatment, enhancing patient safety.

This multi-million dollar machine replaces an older model and is a major investment so as to provide the best possible cancer treatment to all our patients. This new technology at the hospital will cater to the ever-increasing number of cancer patients needing radiation therapy with a high degree of accuracy, precision, and speed.



140



Articles Published in Peer-reviewed Journals in 2023

We are proud to be one of the largest contributors to the medical literature on cancer, from Pakistan. In 2023, our research was wide-ranging, focussing in particular on genetic factors involved in causing a number of cancers, including breast cancer, as well as colorectal, pancreatic and oral cancers, in Pakistan. We hope that this will enable us to develop improved preventive, detection, and treatment strategies. Our research division includes the Basic Science Research Laboratories, the Clinical Research Office, and the office of Cancer Registry and Clinical Data Management. All research performed at SKMCH&RC is of the highest scientific and ethical standards and is only carried out after review and approval by the Institutional Review Board, which is an independent ethics committee, responsible for safeguarding the rights of all subjects involved in research at SKMCH&RC. The Cancer Registry has continued to maintain the hospital's cancer registry, as well as the Punjab Cancer Registry, which is the country's largest population-based cancer registry, initiated and supported by SKMCH&RC.

Research publications can be viewed at:
<http://bit.ly/research-publications>

Breast Cancer Awareness Month Roundup

Awareness sessions in educational institutions and corporate organisations, Pink Tea Parties, Pink Walks, and Pink Rides were organised to raise awareness about breast cancer. In addition, a Breast Cancer Awareness Day was organised at the hospital for college students and a Breast Cancer Awareness Week was organised for hospital staff. Renowned Pakistani television and film actors also supported the campaign, including Mahira Khan, Maya Ali, Iqra Aziz, and Yumna Zaidi. The campaign also included a digital awareness session, a robust digital campaign, articles in national newspapers and programmes on television channels to highlight the role of early detection of breast cancer in improving survival.



950+
Pink Tea Parties
across
the world

250+ Awareness Sessions



Next-Generation Sequencing (NGS)

Shaukat Khanum Lab now offers Next-Generation Sequencing (NGS) which enables simultaneous screening for multiple genes associated with selected cancers, including breast cancer. Detection of these genes has important diagnostic, therapeutic, and prognostic implications for patients.

SERVICE IN FOCUS: BRCA 1/2 Gene Testing Shaukat Khanum Labs offer BRCA1/2 gene-testing panel based on 24 mutations unique to the Pakistani population.

Genes carry codes that inform our cells when to grow and divide. When there are mutations in certain genes, combined with environmental triggers, cancer may develop. BRCA 1/2 mutations can greatly increase the risk of breast cancer and testing for mutations in these genes plays an important role in secondary prevention of breast cancer. This allows individuals to manage risk of cancer. It may also help oncologists during planning of treatment, for example, using targeted therapy. Researchers at the Shaukat Khanum Memorial Cancer Hospital and Research Centre analysed mutations in more than five hundred breast cancer patients and introduced a gene-testing panel based on 24 commonly recurrent mutations unique to the Pakistani population.

In young breast cancer patients, it is more likely that their cancer is hereditary. There are different types of mutations that can occur in BRCA1/2 genes. Depending on the type of mutation, your family history, and a range of variables, your life-time risk of developing cancer can be between 45-87%. It is best to interpret these results with the help of a doctor or a genetic counsellor to find where you are on the risk spectrum. Early detection can mean you can take action and opt for preventive action, such as prophylactic surgery (removal of organs likely to get cancer because of your gene mutations) or regular monitoring. In Pakistan, Shaukat Khanum Pathology Laboratory can analyse+ samples for BRCA 1/2 mutations. This service is available free of charge for eligible cancer patients at Shaukat Khanum Hospitals and it is also available for any other eligible patient across the country.



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