

Annual Report 2023



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We're here for healthier and happier families.

Based in Education City and as an entity of the Qatar Foundation for Education, Science and Community Development (QF), Sidra Medicine plays an important part of Qatar's developing dynamic research and education environment. The high-tech facility represents the vision of its Chairperson, Her Highness Sheikha Moza bint Nasser.

Since opening our Outpatient clinics in 2016 and our main hospital in 2018, we continue to deliver optimal care for women and children who require specialist expertise. We are home to world-class patient care, scientific expertise, and educational resources.

With a team of international healthcare experts, some of whom are considered pioneers and rank among the best in their fields worldwide, we have changed the specialist healthcare services landscape for patients in Qatar and beyond. In fact, several of our services and programs are bench-marked against some of the top hospitals in the world.

Through strong partnerships with leading local and international institutions, we remain committed to creating an intellectual ecosystem that will help advance scientific discovery through investment in medical research. This has become an integral approach of implementing precision medicine into the very core of our patient services model and we are one of the few hospitals in the region to embark on such an undertaking.

Working closely with academic partners like Weill-Cornell Medicine in Qatar (WCM-Q), University of Calgary, Qatar University (QU), and Hamad Bin Khalifa University (HBKU) as well as other health and research institutions like Hamad Medical Corporation (HMC), Primary Health Care Corporation (PHCC) and Qatar Biobank— Sidra Medicine has raised the standard of healthcare throughout the country and provides valuable opportunities for research and learning.



Our Vision

Sidra Medicine is a beacon of learning, discovery and exceptional care, ranked among the top academic medical centers in the world.



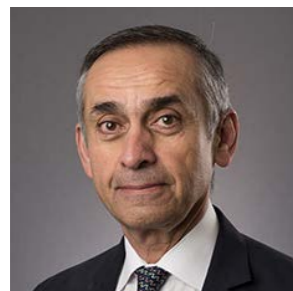
Our Mission

We provide children and women with outstanding tertiary healthcare services in an innovative and ultramodern facility specially designed to promote healing. We collaborate with academic partners, leading research institutions and Qatar's health sector to train students and staff. We will deliver leading clinical and translational research of value to the population of Qatar and the world.

Sidra Medicine's Board of Governors



**Her Highness
Sheikha Moza bint Nasser**
Chairperson of
the Board of Governors



**Prof. the Lord Darzi
of Denham**
Vice Chair



**Her Excellency
Dr. Hanan Al Kuwari**
Governor



**Mr. Mohammed
Khalid Al Mana**
Governor



**Mr. Yousuf Al
Jaida**
Governor



**Dr. Javaid
Sheikh**
Governor (Ex-officio)



**Prof. Deborah
White**
Governor



**Dr. Swati
Piralal**
Governor



**Prof. Muhammad
Pate**
Governor



**Dr. Prem
Kumar Nair**
Governor



**Prof. Stanislas
Lyonnet**
Governor



**Dr. Stephe
F. Kingsmore**
Governor



**Dr. Iyabo
Tinubu-Karch**
Governor (Ex-officio)

Executive Leadership Team



**Dr. Iyabo
Tinubu-Karch**
Chief Executive
Officer



**Dr. Ahmed
Al Hammadi**
Acting Chief Medical
Officer



Prof. Ziyad M. Hijazi
Chief, International
Patients Services and
Chair, Department of
Cardiovascular Diseases



Prof. Ibrahim Janahi
Chair of Medical Education,
Designated Institutional
Officer, and Division Chief
of Pulmonology



**Dr. Khalid
Fakhro**
Chief Research
Officer



**Olanrewaju
Sanusi**
Chief Financial
Officer



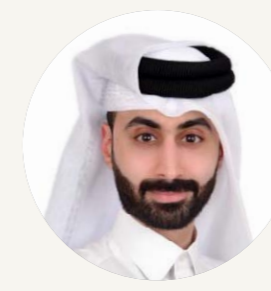
**Judy
Dawson-Jones**
Chief Nursing
Officer



Ali Ali
Acting Chief of
Corporate Services



Stephen Krause
Executive Director of
the Office of the Chief
Executive Officer



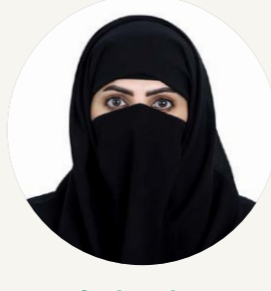
Abdulla Al Yafei
Acting General
Counsel



**Dr. Basma
Harara**
Executive Director of
Clinical Operations



**Maha
Al Henzab**
Acting Executive
Director of Information
Technology



Noof Al Nabet
Acting Executive
Director of Human
Resources



Dr. Dina Schnurman
Executive Director
of Quality, Patient
Experience and Health
Informatics



CEO's Overview

2023 was a year of milestones and advancements across our spectrum of services for Sidra Medicine. It was the start of a new strategic direction for our healthcare organization, where we prioritized enhancing our service offerings, the development of our people and explored avenues for local and international partners.

In this report, you will find updates about our clinical and research offering as well as our medical education remit. Most importantly you will see the extent of how we are increasingly strengthening our positioning as a trusted academic healthcare provider and partner. Our pediatric services remain fully committed to providing personalized medical care for children and young people, with 39 pediatric specialties available under one roof. We have made great strides in our treatment programs specifically for children with complex and rare healthcare needs, details of which you will find here.

We are further building on our comprehensive and holistic approach to care for women's health and wellness. Our women's care services, addresses every aspect of our female patients' lives from preventive screenings, mental health support to specialized treatments, all within a safe and nurturing environment.

In the research section, you will find examples of some of the programs we have achieved in making precision medicine a reality and being on par with international research programs and standards. This is particularly evident with some of our studies and papers published last year, highlighting the role of our genetic research to treat pediatric rare diseases.

Our precision medicine programs continue to expand as we are making it our mission to deliver it hospital-wide to all our patients from near and far. To achieve this, we have strengthened the processes and systems we have in place that allows our multidisciplinary teams of physicians, nurses, scientists, and

epidemiologists to accurately diagnose conditions and develop the most appropriate treatment plan and therapies for our patients, whether women or children.

You will also see how our Medical Education is building on our academic credibility in order to maintain our standing as a premier teaching hospital in the region and our efforts towards the development of tomorrow's healthcare leaders and professionals.

Since opening our hospital in 2018, our healthcare and research services and programs have gone on to win recognition and accolades and rightfully acknowledged for the ground-breaking work that we do in providing the most comprehensive services for women, children and young people. You will find several examples of this in the report, including feedback and profiles on some of our patients.

We continue to focus on ensuring that everything is centered on always being able to provide safe and quality care. And this would not have been possible without the people both front, center and behind the scenes and most importantly without the support of the Government of Qatar and our hospital being an entity of Qatar Foundation. The progress we have made so far has been possible thanks to all of our combined efforts.

I am proud of what we have achieved and am confident that thanks to our people, our patients and our partners, we will continue to make strides in accomplishing our vision of being a beacon of learning, discovery, and exceptional care.

Dr. Iyabo Tinubu-Karch
Chief Executive Officer
Board Member (Ex-Officio)

Corporate Updates

In 2023, we marked the signing of several MoUs, built new partnerships locally and internationally and continued in our mission to provide quality care for our patients and to be considered as a trusted partner for other healthcare organizations seeking to do the same.



Joint Commission International's Gold Seal of Approval®

We earned Joint Commission International's Gold Seal of Approval® for Academic Medical Center Hospital Reaccreditation by demonstrating continuous compliance with its internationally-recognized standards. The Gold Seal of Approval® is a symbol of quality that reflects an organization's commitment to providing safe and effective patient care.



ISO:27001 Certification

Earlier last year, we were proud to have achieved the benchmark ISO:27001 Information Security Management System (ISMS) certification for our entire information technology function and operations.

Achieving ISO:27001 was one of the major IT objectives for our organization and allowed us to provide our staff, patients and different stakeholders, an additional level of assurance regarding our IT systems and processes. It also ensures the confidentiality, integrity and availability of our critical IT systems and data, particularly patient health information records.



Ranked in the World's Top 101-250 Academic Medical Centers

In a first-of-its-kind research survey, by Brand Finance, five hospitals from Qatar were ranked in the world's top 250 Academic Medical Centers (AMC); marking Qatar with the highest number of hospitals out of all the Gulf Co-operation Council countries. Sidra Medicine's ranking is within the 250-100 range of AMC hospitals.

The study, featuring input from 2,500 leading global healthcare, is a peer-driven analysis of the performance of the world's leading AMC hospitals based on patient treatment, medical research, and training and education.



GlobeMed Qatar

We signed an agreement with GlobeMed Qatar, a leading healthcare benefits management company in Qatar, to offer eligible insured members of payers contracted with GlobeMed Qatar, access to Sidra Medicine's women's and pediatric medical services.

According to the agreement, Sidra Medicine will provide eligible insured members served by GlobeMed Qatar, direct billing access to Sidra Medicine's women's and pediatric medical services.



Al Koot Insurance and Reinsurance

We renewed our agreement with Al Koot Insurance & Reinsurance to provide extended access for eligible Al Koot's members, to all of our private pediatric and women's services. Al Koot have been Sidra Medicine's first insurance partner since 2018. Our ongoing partnership will lead to a better quality of continued care for our patients.



Precision Medicine for All

We launched a benevolent "Precision Medicine for All" healthcare grant to allow young patients of all backgrounds, particularly those with genetic, rare or hard-to-diagnose conditions, to access cutting-edge precision diagnostics at Sidra Medicine.

The grant will support funding key patient-related clinical research and personalized interventions, thus reducing the emotional and financial burden for patients in need. We are also proud to play a role in implementing a program that is in support of Qatar's pledge to the UN Sustainable Development Goals, one of which is to achieve universal health coverage and enhancing "Good Health and Well-being" for all (UNSDG Goal 3).



Global healthcare approach: Partnerships

Our expertise in specialized pediatrics and women's wellness coupled with our capabilities in precision medicine, is an opportunity for us to share best practices, offer counsel and medical support that can help advance healthcare and improve patient outcomes for healthcare organizations seeking to improve their own programs.

Rwanda



In September, we visited Rwanda to discuss areas of mutual collaboration in healthcare, medical education and research. During the visit, our delegation met with Dr. Sabin Nsanzimana, the Minister of Health and Dr. Yvan Butera, the Minister of State, where they discussed high-level strategy and partnerships as well as international patient transfers, medical education and research-based collaborations for genome sequencing.

Kazakhstan



A delegation from Sidra Medicine visited Kazakhstan in December to discuss areas of collaboration in medical education, international patient transfers, patient safety and research with the leadership at Nazarbayev University. An MoU was signed between the two organizations to establish and develop levels of cooperation and collaboration in the fields of medical education, research and clinical training.

Our People

Creating exceptional experiences for our patients is a key part of our patient strategy – and this would not be possible without the dedication of our staff. Maintaining a positive and supportive culture is an important priority for the for us, as a cohesive culture is beneficial both to staff and patients.

Our approach to care by promoting health literacy, setting up multidisciplinary teams and bringing research to the bedside play a major role in improving health outcomes and safe and compassionate care.



We support programs that help our staff grow professionally, and promote their health, safety and well-being.

Wellbeing Council

Our wellbeing council managed by nursing, allied health and health and wellness education coordinated a number of staff programs and events to promote physical health and emotional and mental wellbeing:

Run with us, Sunrise 5k and Winter Wellness events were held to promote physical and mental health, emotional and occupational and social wellbeing.

We created Gratitude Boards, Recharge Room, Reimagine and a Staff Wellbeing Circle to ensure, emotional support to provide safe spaces for staff and to build a culture of daily gratitude

Talent Management

Our Talent management customised several leadership and training programs such as the 7 Habits of Highly Effective People, Unlocking Leadership Excellence: Strategy, Vision, and Resilience workshop, Middle Management Leadership Program and Crucial Conversations. More than 100 staff attended the programs as part of their career development.

Growing the contribution of Qatari nationals in the healthcare sector

We are committed to Qatar’s National Vision 2030 and National Health Strategy to integrate Qataris – whether students, graduates, or skilled professionals – into our workforce, providing them with opportunity and enrichment. Our focus is the development of competent and qualified Qataris to be future healthcare leaders at Sidra Medicine.

In 2023:

- A total of 55 Qatari employees completed various leadership programs in helping them enhance their performance and aligning with the organization’s strategy and direction.
- 11 students successfully completed their scholarship program
- 10 new joiners enrolled in our Graduate Associate Program
- 11 students completed our Rising Talent Program.



We're here for healthier and happier families.

Milestones

Q1	JAN	FEB	MAR
	<ul style="list-style-type: none"> Precision Medicine World Congress US Agreement with Al Koot Insurance 	<ul style="list-style-type: none"> Precision Medicine for All grant Covid Immune response study Brand Finance: Top Academic Center ranking ISO:27001 certification 	<ul style="list-style-type: none"> Pediatric Wellness Clinic Launch
Q2	APR	MAY	JUN
	<ul style="list-style-type: none"> Re-accreditation of JCI 	<ul style="list-style-type: none"> Asthma Study Artificial Intelligence and Medicine Symposium Colon Cancer Study ECMO recognition by ELSO 	<ul style="list-style-type: none"> Monogenic Obesity Study Medical Education Day
Q3	JUL	AUG	SEP
	<ul style="list-style-type: none"> New ACGME-I fellowship programs 	<ul style="list-style-type: none"> USD 1 million JDRF grant for diabetes 	<ul style="list-style-type: none"> Leadership visit to Rwanda Pediatric Oncology Report Expansion of pediatric oncology program
Q4	OCT	NOV	DEC
	<ul style="list-style-type: none"> Women's Wellness Conference Genetic study for fertility treatment 	<ul style="list-style-type: none"> PMFG conference 1st Young Scientists Symposium Pediatric Neuroscience Conference 10,000 families enrolled in Genome research Opening of GMP facility Fertility Research New Pediatric Cancer Research 	<ul style="list-style-type: none"> MoU with GlobeMed MoU with Nazarbayev University

Providing Children and Young People in Qatar with World Class Healthcare

Our pediatric services for children and young people (up to the age of 18) include general and tertiary pediatric medicine and surgical clinics.

Our staff are highly trained and experienced in specialty pediatric care and provide children and their families with reassurance and dedicated support.

We have established several multidisciplinary care teams with specialist clinicians, surgeons, physical therapists, occupational therapists, child life specialists, rehabilitation physicians to accurately diagnose a condition and develop the most appropriate treatment plan for our young patients.



Pediatric Medicine

Sidra Medicine provides one of the most comprehensive pediatric medicine services for young patients in the country.

Our Services:

- Adolescent Medicine
- Allergy and Immunology
- Cardiology and Interventional Cardiology
- Child and Adolescent Mental Health Services
- Critical Care
- Child Safety and Advocacy Program
- Dermatology
- Developmental Pediatrics
- Emergency Medicine
- Endocrinology and Diabetes
- Gastroenterology / Hepatology / Nutrition
- General Pediatrics (Secondary and tertiary)
- Genetics and Metabolic diseases
- Hematology and Oncology
- Hemodialysis, Peritoneal Dialysis, and Apheresis
- Infant Hip Clinic
- Infectious Diseases
- Intensive Care Services (NICU Level IV *, PICU, CICU)
- Infusion Services
- Intraoperative Neuromonitoring
- Neonatology
- Neonatal and Pediatric ECMO
- Nephrology and Dialysis
- Neurology
- Neurodiagnostic Lab
- Pediatric Emergency Services
- Pediatric Surgery
- Pediatric Wellness Clinic
- Poison Center
- Pulmonology
- Qatar Poison Center
- Rehabilitation Medicine
- Rheumatology
- Sleep Laboratory
- Transplant (Renal) and Transplant Coordination

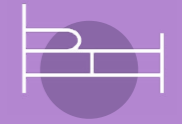
Key Pediatric Medicine Highlights from 2023



Pediatric Wellness Clinic Launch.



'Neonatal Palliative care/Bereavement clinic' – the first of its kind in Qatar to support the families who lost a newborn or receiving end of life care.



Five HDU beds added to NICU.



Continued ACGME-I accreditation for Neonatal Fellowship Program.



Neonatal resuscitation Program (NRP) received accreditation from the American Heart Association.



Treated and cared for 7 children with Spinal Muscular Atrophy



Sidra Medicine was selected as site for delivering the newly approved Gene Therapy for Duchenne Muscular Dystrophy.



7 children were given innovative new gene therapy (Zolgensma) and gene-based disease modifiers (Nusinersen).



Selected as study site in two International Multicenter Clinical Trials for SMA



Provided more than 20,000 recommendations to optimize patients' medication therapy.



Served more than 66,000 patients via our Outpatient, Emergency and Discharge Pharmacies.



Prepared and dispensed nearly 1.3 million medication doses to care for admitted patients.



Establishment of a multidisciplinary team for evaluation and management of patients with Neuromuscular scoliosis in collaboration with neurology and orthopedics.



Opened Genetics Specialty Pharmacy providing nationwide genetic enzyme replacement services for pediatric patients.



Introduction of two new heart valves with successful transcatheter implantation in our Heart Center.



Introduction of a new cardiac surgical technique.



Introduction of new diagnostic services in pulmonology including high altitude hypoxic challenge test; methacholine challenge test and non-invasive ventilation built in software analysis for evaluation of compliance and apnea-hypopnea at home.



Contributing towards the success of the first cadaveric pediatric kidney retrieval and transplantation in Qatar.



Incorporation of home monitoring in evaluation and management of patients on home NIV.



A total of 492 trauma cases seen in the Pediatric Emergency Department



Pediatric Wellness Clinic Launch

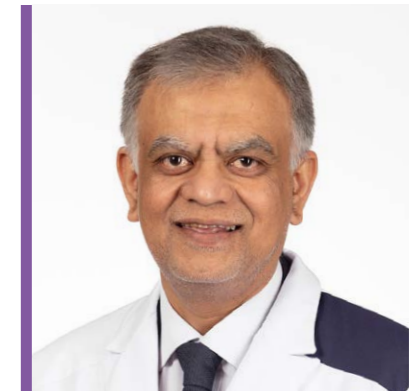
We launched a new private Pediatric Wellness Clinic for children and young people up to the age of 18. The clinic offers various diagnostic and preventative services, including immunizations. The clinic's highly qualified team evaluate and track growth and development, and assists parents in playing a crucial part in their child's well-being. The clinic takes a very family centered approach to care, as we look into the family health history to determine the state of their child's current health and lifestyle.

Pediatric Neuro-Oncology Service Focuses on Brain and Spinal Cord Tumors

We expanded our oncology care remit with a pediatric neuro-oncology service for children and young people with malignant brain and spinal cord tumors.

The pediatric neuro-oncology service comprises cutting-edge neurosurgery expertise and facilities, radiation and pediatric oncology. The clinical services are supported by state-of-the-art neuro-radiology and detailed anatomical pathology including molecular diagnostics.

As a result of implementing new diagnostic techniques and services, Sidra Medicine is able to apply a precision medicine approach for the care and treatment of oncology patients.



Dr Ata Ur Rehman Maaz
Senior Attending Physician
Pediatric Oncology



Dr Ayman Saleh
Division Chief Hematology,
Oncology, BMT

New MoUs and Partnerships



Member of International
Neonatal Pulmonary
Hypertension Registry



Neonatal Nursing Education
Course with the University
of Doha for Science and
Technology



Center of Excellence Recognition by International Extracorporeal Life Support Organization

The extracorporeal membrane oxygenation (ECMO) program at Sidra Medicine was awarded the Silver Center of Excellence accreditation by the international Extracorporeal Life Support Organization (ELSO).

ECMO is one of the most advanced forms of life support available to infants and children experiencing acute failure of their heart or lungs.

The ELSO Path to Excellence in Extracorporeal Life Support Award recognizes that Sidra Medicine meets international quality standards for the delivery of complex ECMO care in neonates and children.

Case Study on Monogenic Obesity to Help Drive New Treatment for Children and Adults

DAY ONE



AFTER SIX MONTHS



A study on monogenic obesity by our Endocrinology Department was published in the prestigious New England Journal of Medicine.

This is the first study from the MENA region to be published on monogenic obesity and we hope it can provide insights into what is triggering the problem and what might help reverse it.

Our research indicates there may be other children with this genetic disorder that are undiagnosed, and that measuring leptin levels can provide the key to understanding some genetic malfunctions or deficiencies. Childhood obesity is a challenging clinical condition, and our research can help drive new discoveries and new treatments, not just in young people, but for adults as well, which will have implications for public health in Qatar and worldwide.

Dr Khalid Hussain
Division Chief - Endocrinology
Program Director - Research



Study finds Rising Allergy Rates Among School-age Children

Clinical researchers from Sidra Medicine and Hamad Medical Corporation published an examination of the growing prevalence of pediatric asthma cases in Qatar; including data on the rising rates of allergic rhinitis and eczema.

(2005-2017) and showed a noticeable increase in diagnosed asthma (34.6% vs. 19.8%) and diagnosed eczema rates (37.4% vs. 22.5%), however this was not the case for allergic rhinitis which remained the same (30.9% vs. 30.5%).

The study reported on prevalence rate differences over more than a decade

Pioneering New Heart Valves

Our world-class heart center has implemented several pioneering techniques to help patients have competent pulmonary valves that will give them the chance to have a smoother postoperative ICU follow up experience. In 2023, some of the advancements made include:

- Reconstruction of the pulmonary valve by creating bileaflet using ePTFE graft.
- Creation of bileaflet pulmonary valve using patient's own right atrial appendage.
- Intraoperative direct cryoablation of the right ventricular outflow tract.
- Repair of extreme forms of pulmonary venous anomalies without mortality in short term follow up.
- Aortic valve repair in infants and children.
- Fontan preparation in the Catheter laboratory without need for open heart surgery.

Mental Health



Our mental health services continue to offer ground-breaking care for children and young people in the country. Our Child and Adolescent Mental Health Services is the world's first ACGME-I accredited child and adolescent psychiatry fellowship program and also the only child and adolescent mental health collaborating center of the World Psychiatric Association.

In 2023:

- We were designated as the National Inpatient Unit for Child and Adolescent Mental Health (CAHMS) services.
- Launched Private Evening Clinics for CAHMS.
- We provided mental support to young students from various Qatar Foundation schools as well as the Assalam Schools and the American University of Afghanistan.
- Our Chair of Psychiatry, Professor Muhammad Waqar Azeem was awarded the 2023 AACAP Reiger Service Award for Excellence.



Pediatric Surgery

Our surgical care is based on the highest standards of care. We are proud to be a part of the National Surgical Quality Improvement Program (ACS-NSQIP) that is globally recognized for its dedication to achieving the best surgical results for its patients.

Our Services:

- Anesthesiology
- Dentistry
- Otolaryngology,
- General & Thoracic Surgery
- Neurosurgery
- Ophthalmology
- Orthopedic Surgery
- Perioperative Surgery
- Plastic, Craniofacial and Hand Surgery
- Renal Transplant
- Urology

Key Surgical Highlights from 2023



Performed our 50th elective epilepsy surgery.



Two North American Fellowship-Trained Attending Neurosurgeons hit relative value unit benchmarks.



Ultra-mini Percutaneous Right Nephrolithotripsy (UMP), stentless, tubeless by Urology Division. 1st in Qatar, 2 November 2023



Performed our first Pediatric Cadaveric Bilateral Harvest and first stentless and tubeless Ultra-mini.



Contributed to the Qatar National Clinical Guidelines Committee for Diagnosis and management of urinary tract infections in children.



Pediatric Cadaveric Bilateral Harvest Nephrectomies by Urology Division. 1st in Qatar, 11 September 2023



Introduced the practice of using demineralized bone matrix for alveolar cleft surgery, allowing patients to go home same day.



In a strategic move towards sustainability, our ENT division with the support of its clinical nurse leaders, successfully transitioned from disposable instruments to reusable ones, resulting in cost optimization.



Plastic Surgery team introduced the practice of using demineralized bone matrix for alveolar cleft surgery, allowing patients to go home same day (as compared to the standard use of autogenous bone grafts from patient's hip).



The ENT Tracheostomy Care Team successfully implemented a comprehensive training program for parents. By equipping families with the skills to manage tracheostomies at home, resulted in an impressive %74 reduction in the need for clinic visits.



Collaboration with HMC for their successful kidney transplant from a brain-deceased child to a 48 year old patient- a first in Qatar.



ENT surgeons performed paediatric vocalcord injection medialisation in 2023

Pediatric Surgery Units Receives Accolades for Sustained Excellence in Early Warning Sign (EWS) Escalation Reporting

Pediatric Surgical												
Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DSU/PACU Peds (New Unit)	40%	NA	100%	73%	100%	100%	100%	100%	NA	100%	100%	100%
5A	90%	90%	100%	90%	80%	90%	100%	90%	90%	100%	100%	90%
5B	80%	89%	90%	90%	90%	90%	90%	90%	100%	90%	100%	90%



Pediatric Surgery Units has been recognized for its unwavering commitment to the Early Warning Sign (EWS) Escalation reporting pathway. The unit has consistently met and exceeded targets since May 2023, showcasing a remarkable standard of compliance and reinforcing its commitment to ensuring timely and effective responses to critical patient indicators.

Pediatric & Cardiac Surgery Cases in all Locations

Case Specialty	# Cases	% of Total	Case Specialty	Intra-op hours*	% of Total	Interventional Labs	# Procedures
General/Thoracic	1,712	32.5%	General/Thoracic	2,999.2	29.0%	Null	1
Otolaryngology	1,066	20.2%	Orthopedic Surgery	1,829.1	17.7%	ICL CCL	251
Orthopedic Surgery	795	15.1%	Otolaryngology	1,306.5	12.6%	ICL CT	238
Plastic/Craniofacial	584	11.1%	Plastic/Craniofacial	1,174.8	11.3%	ICL EP Lab	506
Urology	547	10.4%	Urology	1,084.9	10.5%	ICL IR	1,010
Neurosurgery	178	3.4%	Cardiac Surgery	1,036.1	10.0%	Grand Total	2,006
Cardiac Surgery	218	4.1%	Neurosurgery	675.1	6.5%		
Ophthalmology	119	2.3%	Ophthalmology	133.1	1.3%		
Dental/Oral Surgery	49	0.9%	Dental/Oral Surgery	121.1	1.2%		
Grand Total	5,268	100%	Grand Total	10,359.9	100%		

*From wheels in to wheels out including overruns.



Otolaryngologic Procedures Saves Lives

Surgeons performed multiple life-saving procedures on a baby experiencing complications with breathing and swallowing due to a small larynx and large cysts in her tongue and throat.

Following her surgery, and thanks to the specialty care provided by an entire team in the pediatric intensive care unit which was supported by speech, language and respiratory therapy, dietary and nutritional services, Thinnara was discharged within a week.

“We are overwhelmed with gratitude and love for the wonderful care not only my daughter received, but how we were taken care of as a family. Just a few days after the surgery, we saw her smile! Everyone has been exceptional – and we particularly want to thank Dr. Faisal Abdelkader, who went above and beyond to help Thinnara. And special mention to the wonderful team of nurses and child life specialists. What a relief and assurance it is to have such a hospital. We are all breathing a lot easier now!”

Thinnara’s Parents

Pediatric Medicine and Pediatric Surgery On the World Stage

10th Middle East Pediatric Orthopedic Surgery Conference (MEPOS)



We were proud to be a part of MEPOS in 2023 focused on addressing the unique healthcare needs of children and highlighted the significance of pediatric orthopedic surgery in fostering a healthy and active childhood.

Pediatric Neuroscience Conference 2023



Our Annual Pediatric Neuroscience Conference held in November 2023 brought together regional and international neuroscience experts to share insights and best practice methodologies related to the epidemiology and mechanisms of neurological diseases, neurometabolic and neuromuscular disorders

AI and Medicine



Our first ever, “Artificial Intelligence and Medicine – Bringing Digital Breakthroughs to the Bed-side” conference was a pivotal capacity-building activity for clinicians and researchers across Qatar. The conference underscored the importance of fostering dialogue between healthcare and AI professionals, paving the way for innovative solutions that could enhance patient care and outcomes.



Pediatric Surgery Trauma Grand Rounds

Our Pediatric Surgery Trauma Grand Rounds have become a paramount platform for knowledge exchange and continuous professional development. The Grand Rounds are expertly facilitated by the Trauma Team, bringing together professionals with diverse expertise. This collaborative effort ensures a comprehensive exploration of trauma-related pediatric surgical cases, highlighting the multidisciplinary nature of modern pediatric surgical care.

First Surgical Annual Research Day

Qatar Pediatric Emergency Conference



We hosted our first Surgical Annual Research Day to foster collaboration and knowledge exchange. SARD 2023 served as a platform for multidisciplinary discussions, emphasizing the significance of sharing in-sights and expertise in the field of surgery. The event highlighted the diverse processes involved in surgical re-search while showcasing the resources available at Sidra Medicine to support and encourage advancements in the domain.



QPEM has become an annual event that provides high-quality, evidence-based updates for healthcare practitioners involved in the urgent and emergent care of children. In January we hosted the 7th iteration of QPEM, in partnership with HMC, as a virtual conference covering a variety of topics related to emergency and urgent care including resuscitation, sepsis, trauma management, quality and patient safety, toxicology as well as safe Procedural Sedation and Updates on the management of various critical conditions.





Young patients from Gaza

In early December 2023, His Highness the Emir of Qatar, Sheikh Tamim Bin Hamad Al Thani announced that the country will sponsor 3,000 orphans and provide treatment to 1,500 injured Palestinians from Gaza.

Sidra Medicine was one of seven hospitals in Qatar chosen to care for young patients. We played a vital role in triaging the pediatric patients before arrival to ensure they were placed in facilities with the required clinical expertise. Our Acting Chief Medical Officer, Dr. Ahmad Al-Hammadi was nominated as the national pediatric lead for the program to enable a standardization of care for all the children coming in from Gaza.

Over the course of December, 33 children were admitted for inpatient and outpatient care. The majority of patients were mostly poly-trauma cases requiring complex

multistage surgery under orthopedics, plastics, neurosurgery and general surgery. Several patients required urgent medical attention such as hemodialysis due to the lack of access to services and medications in Gaza. A large volume of our patients required general pediatrics care services and were supported with otolaryngology, gastroenterology and pulmonology care and more.

The children were also supported with key allied health services throughout their care journey including physiotherapy, occupational therapy, social work and child life. Patients with families were supported by our child and adult mental health teams.

Photographs by: Marcus Yam



Humanitarian Care

We are immensely proud of our staff who partnered with various international and local charity missions to visit countries in need of specialist pediatric humanitarian care.



Jordan

Our Chief of Cardiovascular Surgery, Dr. Olivier Ghez, went to Jordan on a humanitarian mission offering surgical care. Dr. Ghez is part of the Chain of Hope charity that partnered with Gift of Life Jordan/International, Atfaluna and Jordan University Hospital. Together with a medical team that included surgeons from Great Ormond Street Hospital, Dr. Ghez performed life-saving heart surgeries on nine children suffering from heart disease.



Mauritania

Our Heart center team, which included Dr. Younes Boudjemline, Zakariya Yahya Al-Riyami, Mohamad Al-Rabbat were part of a convoy assembled by Qatar Red Crescent Society on a medical mission to Mauritania in December 2023. More than 70 children were screened, out of which 50 patients underwent life-saving cardiac surgery.



Bangladesh

A group from Sidra Medicine were part of the "Little Hearts" medical convoy to Bangladesh in March and September 2023. The team, deployed by Qatar Red Crescent Society completed a successful humanitarian mission to help nearly 200 children with congenital heart defects.

The Sidra Medicine Heart Center convoy included Dr. Younes Boudjemline, Dr. Hesham Al-Saloos, Saif Ur Rehman, Alaaldin Mostafa. The team performed cardiac catheterizations, and trained local medical professionals in advanced techniques at the National Institute of Cardiovascular Diseases in Dhaka.



Syria

A medical convoy, orchestrated by the Qatar Red Crescent and in collaboration with Hamad Medical Corporation and Sidra Medicine, successfully concluded a vital mission in northern Syria with 49 cases treated and 29 surgeries performed.

The medical convoy featured a team of doctors specializing in urology and pediatric surgery. The team from Sidra Medicine comprised of Dr. Mansour Ali, our Chair of Pediatric Surgery and Dr. Hassan Baghazal, consultant pediatric surgeon.



What our young patients and their families said about us



“All I can say is massive thank you to all the nurses who were looking after us. They were all amazing, polite and funny which made our stay at the hospital very enjoyable.”

“We received the best levels of service and health care I wish you progress and reaching the best levels of success and achieving the desired goals of having such high-quality institutions in our Arab societies to maintain a healthy new generation. May God bless you and your efforts.”

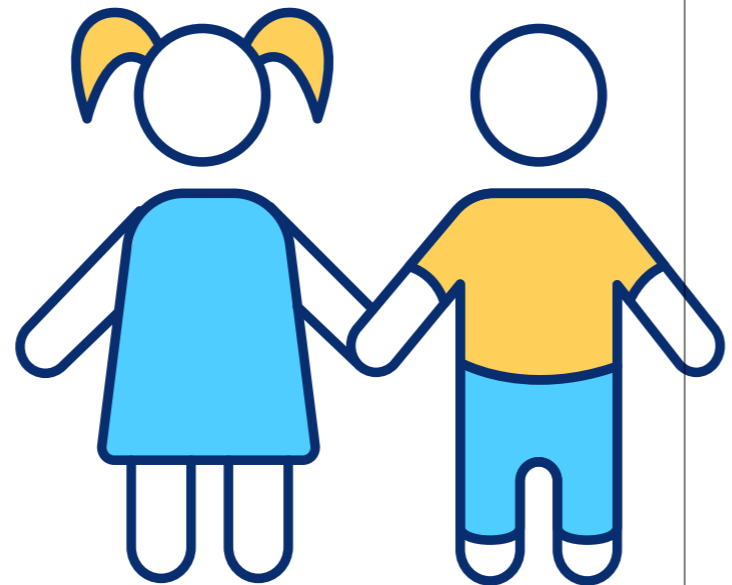


“I just want to say my biggest thanks to all the staff of sidra hospital especially the ortho department. My daughter had a fracture and we received the best care ever! Keep up the good work! Again, thank you so much!”



“I would like to thank the reception staff and medical staff for their good treatment and kindness in answering all questions and inquiries... I also thank the security workers who were cooperative... It is truly a very advanced and sophisticated hospital. Thank you Sidra Hospital.”

“I had an outstanding experience at the hospital, and I’ve never visited such a cultured hospital in my life. The staff’s professionalism and the overall atmosphere were truly exceptional. Thank you for the excellent care.”



“Due to my work in the medical field, I bear witness that the care provided at your hospital is the best that the patient can aspire to!”

“Friendly and worthy of appreciation. You feel that the medical staff are family members”

Women's Health and Wellness

From prevention to diagnostics and therapeutics, our Women's services are on par with international standards across the different aspects related to women's health and wellness



Women's Services

Our Services:

- Adult Pain
- Aesthetic
- Emergency and Obstetrics Triage Services
- Fetal Imaging
- Gynecology
- Internal Medicine, Pulmonology and Endocrinology
- Lactation Support for Mothers
- Maternal, Fetal Medicine and Fetal Diagnostics
- Mental Health
- Menopause Clinic
- Obstetrics
- Physiotherapy
- Reproductive Medicine and IVF
- Urology
- Weight Management
- Ultrasound

Our multidisciplinary care team for females of all ages includes:

- Advanced Practice Nurses
- Allied Health Clinicians
- Clinical Nurses
- Gynecologists
- Internal Medicine and Acute Care Doctors
- Lactation Consultants
- Maternal Fetal Medicine Doctors
- Mental Health Professionals
- Midwives
- Neonatologists
- Obstetricians
- Pediatricians
- Reproductive Medicine Doctors
- Ultrasonographers

Key Highlights from 2023



Our Reproductive Medicine and IVF services expanded to attract referrals for the treatment of male and female infertility and covered the management of inherited genetic disorders and fertility preservation.



Our Division Chief of Women's Mental Health, Dr. Zainab Imam received the RCPsych Middle Eastern International Division 'Hall of Fame' Award for outstanding service to psychiatry within the Middle East.



We organized and delivered the first MRCOG OSCE exam preparatory course in Qatar. The MRCOG exam is an internationally recognized examination under the auspices of the Royal College of Obstetricians and Gynaecologists, UK.

1,000

Registered delegates in our annual Women's health conference in 2023, from Qatar and overseas

850

Participants have been welcomed in our annual World Maternal Mental Health day conference

MoU

Signed an MoU with the American University of Afghanistan (based in Qatar Foundation) to offer mental health services to its female students.

Unique services that were launched or expanded in 2023



Fertility preservation program



Male infertility and sexual dysfunction



Adult weight management service - new therapeutic options



Memory Clinic (Women's Mental Health)



Fetal Medicine

The Fetal medicine service provided tertiary and second opinion diagnostic service for the country in 2023 with referrals also from the GCC region.

Mental Health

Our range of mental health services for Women in Qatar is amongst the most comprehensive. We cover adjustment disorders, anxiety, depression including peri/post natal depression, obsessive compulsive disorder to body dysmorphia.

In 2023 we launched our Memory Clinic to provide guidance and advice on memory problems for women.

Aesthetics

Our aesthetic procedures are performed to ensure the best outcomes for our patients within the least recovery period.

To that end, we work closely with women's services including referrals to mental health to ensure the best outcomes for our patients based on a holistic, personalized and multidisciplinary approach to care.

Fertility Research

We want to give our patients every chance to have a baby and announced a new research program to study the nutritional, environmental and genetic factors related to fertility and IVF. Using our state-of-the-art next generation sequencing technologies, we aim to uncover new genes that can regulate the ability for men and women to conceive a child.

Our concerted clinical and research approach, is a major step towards developing advanced diagnostics and therapeutics to ensure a healthy pregnancy outcome for our IVF patients

The study which is being fully funded by Sidra Medicine, will also look into the lifestyle factors affecting fertility. It is also investigating the interaction between nutrients and gene

function and the impact on the outcome, in women undergoing treatment at our IVF clinic.

Together with fertility investigations, we also launched a unique mother and child cohort, which aims to use a multi-omic approach on a variety of samples and clinical data collected at different time points from the same pregnant woman and her infant. The results of the study will also seek to identify biomarkers for predicting pregnancy complications and the early onset of chronic pediatric diseases.

What our female patients said about us in 2023

"I loved everything about this hospital, from staff to nurses to doctors to midwives. It was a very pleasant stay and everyone was kind and caring. Thank you so much."

Amazing stay, couldn't speak highly enough of the staff, they were superb 24/7

"Appreciate the doctors and nurses for their unending commitment to patient care both during emergencies and otherwise."

"The doctor was more than wonderful, by listening to my health condition and explaining it to me scientifically in a simple way and giving the appropriate solution."

"It was very comfortable in every situation and filled with positive energy!"



"Sidra is a great hospital, I trust the doctors there as well as the level of healthcare"



I just want to say a huge thank you to all doctors, nurses, midwives, members of the allied health, to all who were involved in my whole hospital stay. Thank you Sidra Medicine!

"Excellent service. Best service I've received since my move to Qatar. Very organised and streamlined. Will continue to use."

"I would like to thank all the staff at Sidra Medicine, from the reception staff to the female staff and the entire medical staff. Thank you and for your tremendous efforts that are evident to everyone who turns to you!"

"It was a wonderful experience today! And everyone was so nice and I'm so grateful all the care and kindness I receive from Doctors nurses and everyone else for that I would like to say thank you so much for all your hellos!"

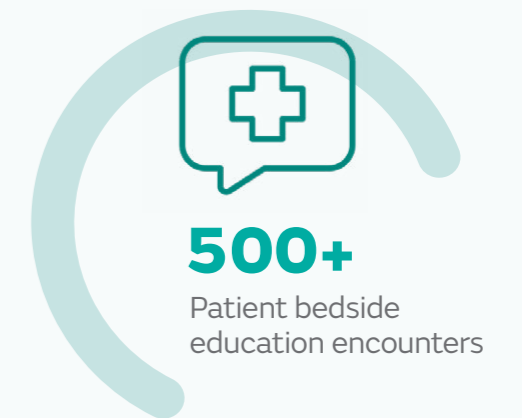
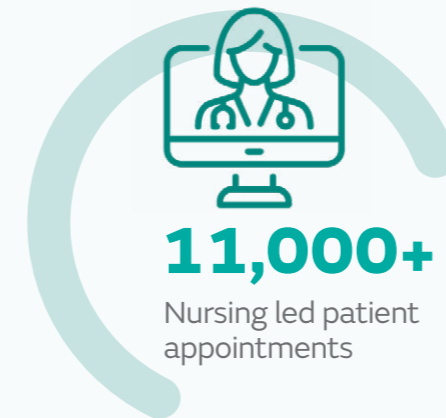
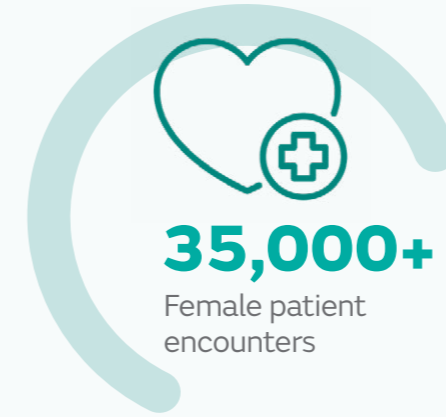
"Wonderful and distinguished service and a helpful and lovely medical staff!"



Nursing, Midwifery and Allied Health

2023 was a year of many milestones for nursing, midwifery and allied health at Sidra Medicine. We launched several significant initiatives aimed at driving practice innovation and playing an important part in every patient's journey.

Key Highlights from 2023



Daisy Awards

Nearly 300 nurses were nominated for a DAISY award by patients and families who received care across the hospital.

The DAISY Award is an international program that rewards and celebrates the extraordinary compassionate and skillful care given by nurses every day. Sidra Medicine is proud to be a DAISY Award Partner that recognizes its nurses with this special honor every month.

Advocates for Patients in Need

Our social workers increased access to care by 40 percent by focusing on efficiencies. In 2023, they helped raise QAR 4.5 million in charitable support to help patients and reduce the financial burden of healthcare for some families.

Health and Wellness Education

Our Health and Wellness team received national recognition for organizing and implementing a national health literacy conference, and throughout 2023, the team created 68 health literacy resources; assisted 45 healthcare providers and their online materials had 3,007, 079 views across 133 healthcare related themes

Nursing Certifications

As part of our commitment to increase professional knowledge and elevating nursing expertise, 31 of our nurses obtained the following advanced certifications:

- Emergency Nursing Pediatric Course.
- Certified Pediatric Nurses.
- Certified Pediatric Hematology Oncology.
- Nurse Professional Development.



The CNO Forum

In December we hosted our annual CNO forum to celebrate the outstanding performance and achievements of the branch and recognize teams and team members who have demonstrated excellent professional practice and delivered exceptional care throughout the year.



Global Patient Services

This year, we welcomed 327 patients from across the world – who chose Sidra Medicine for its ground breaking pediatric surgical expertise and multidisciplinary care.

Our international patient services program to date has cared for nearly 1000 patients since the opening of our main hospital in 2018. Patients from abroad have sought treatment in specialist areas including cardiology, general pediatrics, neurology, urology, endocrinology, neurosurgery, ENT, pulmonology, plastics, craniofacial and thoracic surgery.

Our team offers seamless care as we understand that every international patient has different needs. Being one of the only providers of certain specialized pediatric services in the Middle East and North Africa region means that we have built the trust of patients as well as international hospitals who refer patients to us.

Top medical conditions treated for international patients:

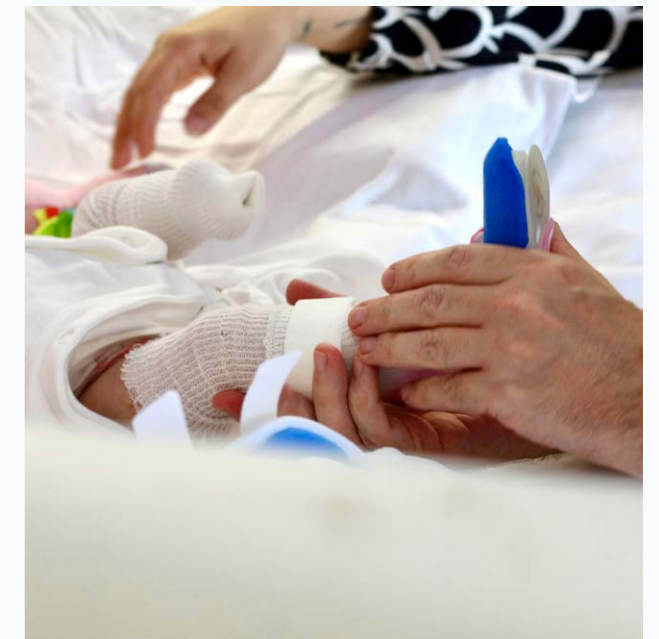
- Congenital Heart Diseases
- PDA -Patent Ductus Arteriosus
- Pulmonary Valve stenosis
- Corrected Transposition of Great Vessels
- Hypoplastic left heart Syndrome
- Cerebral Palsy
- SMA
- Seizure Disorder
- Supracondylar Fracture of Humerus
- Bladder exstrophy
- Eosinophilic colitis
- Short Bowel Syndrome
- Diabetic patients

Global Patients by Country

- 146** Afghanistan
- 143** Kuwait
- 6** Iraq
- 5** Iran
- 4** KSA
- 3** Egypt
- 3** UAE
- 2** Russia
- 2** Algeria
- 2** Nigeria
- 2** Oman
- 2** Jordan
- 1** Bahrain
- 1** Canada
- 1** Greece
- 1** Morocco
- 1** Mozambique
- 1** Somalia
- 1** Turkey

327
Total Global Patients Seen

Standing Tall: Steps to a New Future



How we turned a Kuwaiti Baby's Harrowing Healthcare Ordeal to Hope

Fatima was rushed to Sidra Medicine from Kuwait last year after she developed a life-threatening bowel infection called Necrotizing Enterocolitis, short bowel syndrome and complications like failure-to-thrive and life-threatening sepsis. The sepsis led to necrosis, where the tissues in her feet and finger tips started to die.

Fatima's care at Sidra Medicine required access to many of our specialist services, including several different surgical disciplines, therapists, nutritionists, rehabilitation physicians, pediatric intensive care and surgical ward care.

A combined team of plastic and reconstructive surgeons were mobilized to address Fatima's damaged limbs and save her feet and hands from wasting away from necrosis. The surgeons performed the complex and delicate surgery to save as much of her limbs as possible.

After two months of intravenous nutrition and an oral feeding regimen, Fatima had gained the right amount of weight and underwent short bowel surgery to reconnect her intestines.

At the final stage of her care journey, Fatima required a comprehensive rehabilitation program for her to bear weight on her legs and gain normal development from sitting, standing and walking. A bespoke pair of feet were created to help Fatima stand on her own and that could fit into shoes, as a temporary measure before she was fitted with prosthetics.

“Our beautiful daughter is truly standing tall today! She showcased such courage and strength from the minute she was born and throughout her ordeal. We are extremely grateful to the fantastic team at Sidra Medicine. They pulled all stops to give our daughter the best in surgery, rehabilitation and follow up. We uprooted our entire family to be here for her, and not once did we feel out of depth. The team were with us every step of the way, ensuring we were equal partners in doing what was best for Fatima. Thanks Sidra Medicine, you have played a key role in changing the course of Fatima’s health and well-being for the better.” Fatima’s parents said.





Research

Sidra Medicine's precision medicine program centers on a research mission to deliver it hospital-wide to all our patients. This supports our ambition to carry out research that provides accurate and timely diagnoses for women and children with complex conditions and rare diseases, and to pioneer new approaches to disease management and treatments.

2023 was a landmark year that signified the progress and milestones we achieved in making precision medicine a reality and being on par with international research programs and standards.

2023 Highlights



212

Total Research Staff at Sidra Medicine



21,000 ft2

Dedicated research labs at Sidra Medicine



20+

Research labs and core facilities



50,000+

Sequenced human whole genomes



200+

Clinical researchers



1

ISO-Certified GMP facility



66

Externs and volunteers enrolled in 2023



12

PhD students in 2023



29

Local and international universities' collaborations from Malaysia, Mexico, Belgium, Pakistan and others

13 Grants

From Qatar National Research Fund (QNRF) and other external funds were awarded in the last 18 months.

Totaling QAR 24.39M

A year of ground-breaking research programs and studies

DIA-MENA: JDRF Diabetes Grant



Type 1 Diabetes Islet Autoantibody Screening Initiative in the Middle East and North Africa: Dr. Ammira Akil lead principal investigator and head of the Precision Medicine for Diabetes Prevention was awarded a grant to the value of one million US dollars from JDRF. The grant will support the establishment of a program in Qatar that combines autoantibody and genetic screening for children with T1D, which can serve as a model for the rest of the Middle East and North Africa (MENA) region

Genetics of Human Infertility study



Through extensive genomic and computational analyses, using the state-of-the-art next-generation sequencing capacities, and in collaboration with the IVF Program, and the Department of Genetics, this study aims to identify the genes and biological processes underlying fertility disorders of genetic origin,

NutriWeMan Study



The main aim of this project is to compare the efficacy of the diet treatment alone compared to medications on reducing body weight and improving metabolic traits, taking into account the genetics, gut microbiome and epigenetic determinants

Precision nutrition in assisted reproductive technologies



In 2023, the translation medicine section launched a study to understand the knowledge gap in understanding the molecular mechanisms governing the interaction between diet and follicular metabolism and its effect on outcomes of assisted reproductive technology (ART).

Causal Effects of Middle Eastern Genetic Variation Provides Clinical Insights



In collaboration with Stanford University USA, this program established the largest resource to date of regulatory genetic signals in human blood, known as Quantitative Trait Loci (QTL), comprising novel findings specific to Qatari and Middle Eastern populations. It provides a valuable dataset from an under-represented population with regional and global impact on our understanding of biology and disease.

UK-Qatar precision healthcare collaborative on rare neurological diseases



This collaborative is aimed at advancing the precision diagnosis and discovery of targets for therapy in Neurogenetic diseases (NGDs). NGDs encompasses a spectrum of genetic conditions affecting the brain, spinal cord, nerves, and muscles.

Sidra Medicine Study Key for New Versions of Covid19- mRNA Vaccines



Using a novel technique that can assess hundreds of various immunological pathways and antibodies with just a small amount of blood, this study will be instrumental in the development of new versions of Covid-19 mRNA vaccines as well as aid in the treatment of patients with severe symptoms of Sars-CoV-2.

Immune-microbiota interactions affect the prognosis of patients with colon cancer



This study revealed the impact of our immune system and microbiota on our ability to survive colon cancer. The team found that a specific composition of bacteria in the tumour and intratumoral immune response were associated with a more favourable prognosis for colon cancer patients and offers promising avenues for microbiota-targeting approaches, such as dietary interventions.

GMP Facility Opening

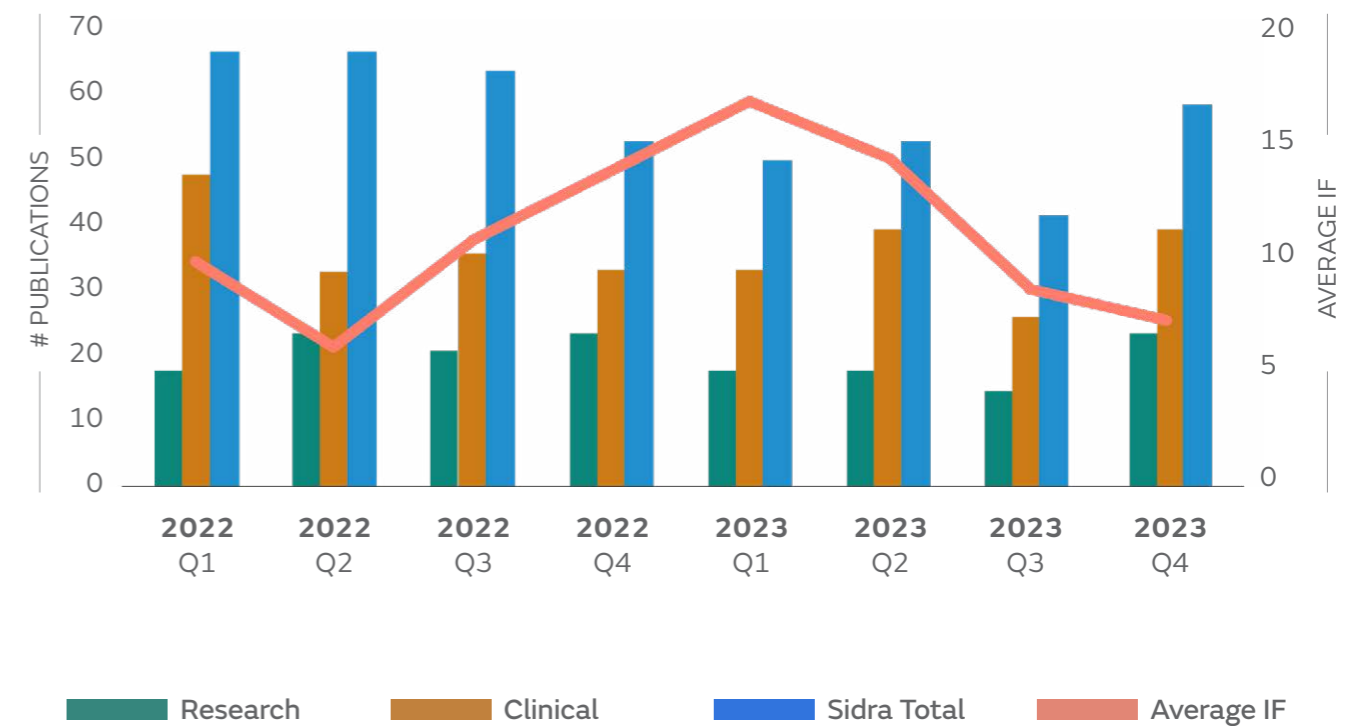
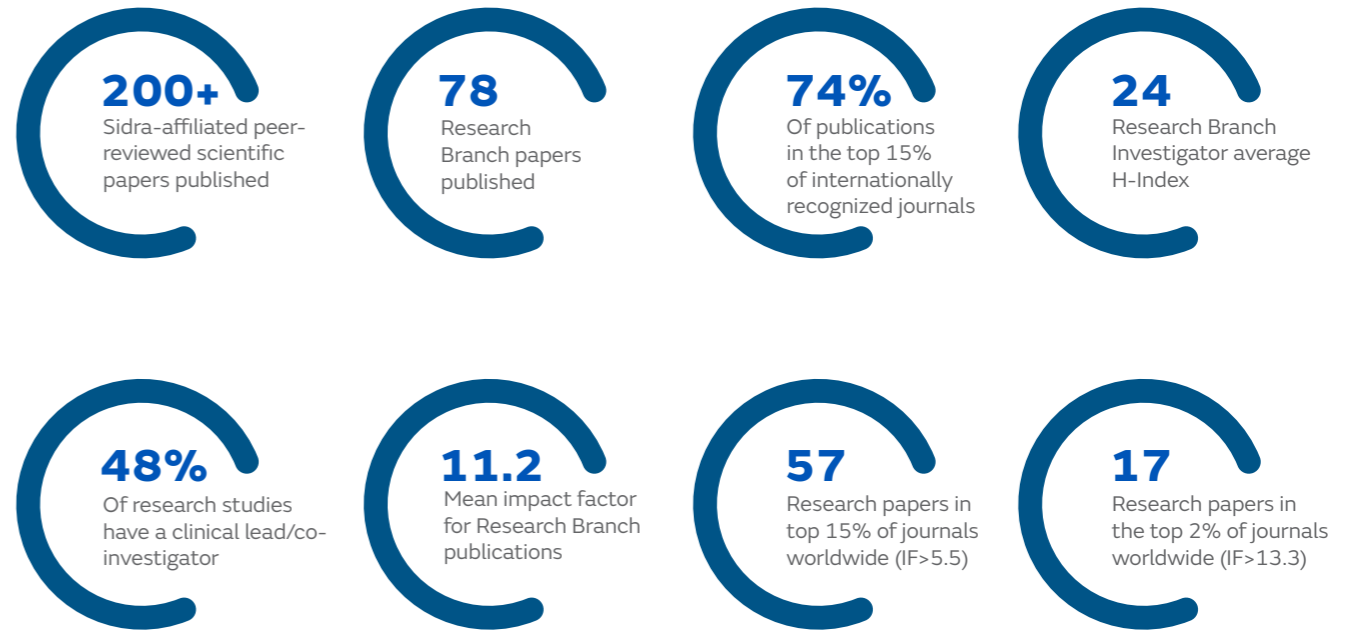


We proudly opened our GMP facility that will develop and manufacture individualized therapeutic products and biopharmaceuticals onsite; allowing for a much faster process of turning basic research into actual products that can be used in patients.

The GMP facility will also accommodate cord blood banking and hematopoietic stem cells transplantation, which can treat more than 60 diseases including cancers like leukemia and lymphoma.

The biggest impact of the GMP facility is that it will allow us to offer advanced and/or experimental cell and gene therapies for patients, who no longer need to travel abroad to seek such treatment. This is particularly life-changing for children requiring gene therapy approaches or hematopoietic stem cells transplantation, which can take several months.

Publications 2023





Precision Medicine World Conference

A team of our researchers and physicians were proud to represent Qatar at the Precision Medicine World Conference (PMWC) that was held in California in January 2023. We were the only hospital from the Middle East to showcase precision medicine success stories based on Arab Genome datasets proving how we have made precision medicine a reality for children with rare diseases in Qatar.



Young Scientists Conference

In 2023, we hosted our first every Young Scientists Symposium. Themed as “The Impact of Biomedical Research on Patient Care”, and chaired and hosted by young scientists, Ahmad Al Shaibi and Fatima Al Ali for other young scientists, the Young Scientists Symposium brought together senior and junior scientists and editors of high impact journals, to put the spotlight on how research can be applied to patient care.





Precision Medicine and Functional Genomics

The 2023 iteration of our Precision Medicine and Functional Genomics Conference was a major success with over 870 attendees, partners and exhibitors and 50 local and international speakers.

Conference Co-chairs Dr. Bernice Lo and Dr. Matteo Avella oversaw the four-day conference (including pre and post event workshops) during which several announcements were made - highlighting new programs, publications and ground-breaking studies to showcase our achievements and advancements in precision medicine.

On Day 1, it was shared that nearly 10,000 families enrolled in research at Sidra Medicine, and there was a call for a stronger Arab genome representation to advance precision health.

On Day 2, we announced that we were awarded two Path Towards Precision Medicine grants as well as the publication of our BARAKA-Qatar study on the genomic architecture of autism spectrum disorder in Qatar in the prestigious journal, Genome Medicine.

On Day 3, we highlighted the holistic approach to women's health, wellness services which are being underpinned by research.

On Day 4 of PMFG we announced the launch of our Good Manufacturing Practice (GMP) facility.



Medical Education

Developing Tomorrow's Healthcare Leaders and Professionals

Our medical education programs continued to build on our academic credibility in order to maintain our standing as a premier teaching hospital in the region.

We promote an interprofessional training model for all healthcare professionals and our programs are based on the highest standards of medical education and continuous professional development opportunities for healthcare professionals.

We are a Qatar Council for Healthcare Practitioners (QCHP) accredited center and offer Continuous Medical Education (CME) and Continuing Professional Development (CPD) to all licensed healthcare professionals and senior medical staff.

Our Medical Education Partners and Affiliates



MOU with Nazarbayev University

In December we signed an MoU with Nazarbayev University in Kazakhstan to establish and develop levels of cooperation and collaboration in the fields of medical education, research and clinical training.

As one of the few healthcare organizations in the region, with an integrated medical education program spanning across research, clinical care and innovation, our medical education programs have been developed to offer international medical trainees an exceptional educational experience. The MoU will enable Nazarbayev University in helping shape the country's future healthcare professionals and leaders.



Medical Education Day

We honoured our 2022-2023 graduate residents, fellows and sponsored students at our first Medical Education Day.

26 graduate residents, 21 fellows and four sponsored students were recognized for their achievements and being the best in their field across Sidra Medicine's specialties.

The pediatric specialties included, neonatology; radiology; surgery; endocrinology; cardiology; general pediatrics; emergency medicine; anesthesiology; nephrology; infectious diseases and developmental behavioral pediatrics, in addition to obstetrics and gynecology.



