



**Great Ormond Street
Hospital for Children**
INTERNATIONAL AND PRIVATE CARE



Great Ormond Street Hospital – a world-leading children’s hospital

Founded in 1852, Great Ormond Street Hospital (GOSH) is a globally renowned specialist children’s hospital and the leading paediatric hospital in Europe, championing innovation and providing ground-breaking treatments for the rarest and most complex conditions across **67 clinical specialties and sub-specialties**.

Located in the heart of London, GOSH is a British institution with royal patronage under His Majesty King Charles III. GOSH has 300,000 attendances every year, and International and Private Care (I&PC) treats more than 6,000 patients from over 90 countries. The service is tailored to the treatment of international patients and our dedicated international team ensure an excellent patient and family experience from referral to discharge.

As a pioneer of cutting-edge and innovative paediatric healthcare and research, GOSH works at the forefront of the field to continuously deliver the medicine of the future. As well as world-class clinical treatment and care, we also have a commitment to delivering a nurturing and family-centered experience. **“The child first and always”** has been the hospital’s motto for over 100 years, and it remains as true today as it has ever been.

GOSH has **20 highly specialised national services** of which four are only delivered in the United Kingdom by GOSH. Our expert teams of over **300 world-leading consultants** deliver 360-degree, multi-specialty care with the child at

the centre. As champions of the highest calibre of paediatric care, our teams are dedicated to quality, safety and the very best patient outcomes.

We are part of Europe’s largest academic centre for research and education in children’s health and disease. We are committed to achieving the best possible results by consistently measuring outcomes and value against the highest international standards, and our collaborative approach to international partnerships mean we are dedicated to sharing best practice in a transparent and empowering way.

The hospital opened on Valentine’s Day in 1852 with 10 beds. To date we have 446 beds.

GOSH has four pillars that guide our vision and are mutually enhancing:



WORLD-LEADING CARE



CLINICAL RESEARCH



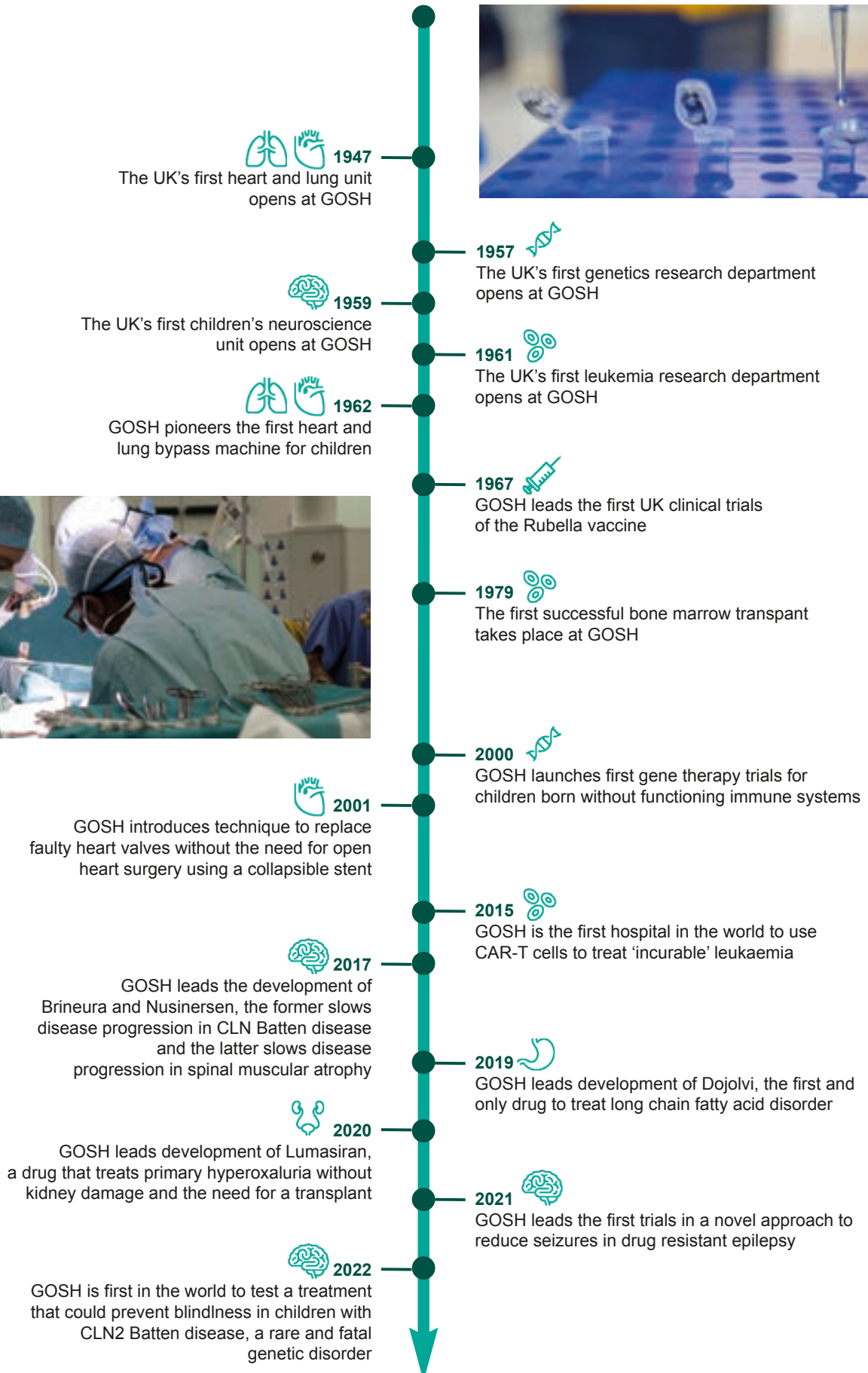
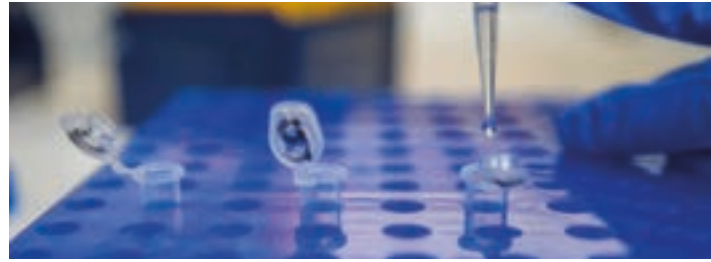
EDUCATION



INNOVATION



The Firsts at GOSH



Great Ormond Street Hospital as a world leader

- One of the largest heart transplant centres for children in the world and the largest paediatric cardiac programme in the UK
- The leading centre in the world for gene therapy in children
- One of the three largest centres for children with cancer/leukaemia in the western world and the largest in Europe
- One of the two largest centres in Europe for paediatric bone marrow transplantation (BMT)
- The leading centre in Europe for the management of conjoined twins
- The largest epilepsy surgery centre in Europe and the largest centre for paediatric brain surgery in the UK
- The largest paediatric centre for Interventional Radiology in Europe
- The largest paediatric centre in the UK for intensive care
- The largest paediatric centre in the UK for craniofacial reconstruction
- The largest paediatric centre in the UK for renal transplantation
- GOSH trains more paediatric specialist doctors than any other centre in Europe and has Europe's largest paediatric nurse education programme
- The largest Play team in Europe: play helps children feel happier and builds emotional resilience. We use play to help children through hospital stays and treatments.

Leading-edge research and innovation

Research and Innovation are central to everything that we do because patients seen at hospitals that carry out research have better outcomes, they have more confidence in their care and feel more informed, even if they don't take part in research themselves.

- Together, GOSH and the UCL Great Ormond Street Institute of Child Health (ICH) represent the **largest concentration of paediatric research expertise in Europe**
- There is a wide variety of research carried out across the hospital, ranging from translational and biological research to large international clinical trials and in 2022-23 GOSH/ICH had over 900 active research studies with over 2,200 participants
- Established in 2019, Zayed Centre for Research into Rare Disease in Children is the world's first purpose-built centre dedicated to paediatric research into rare diseases. With circa 500 researchers and clinicians, it brings together pioneering research and clinical care under one roof and drives forward new treatments and cures for seriously ill children
- Between 2018–2022, GOSH/ICH published nearly 7,000 research papers and had the **highest Average Category Normalised Citation Impact** at 3.04 with our nearest international competitors at 2.17
- Since 2007, GOSH has been the **only specialist Biomedical Research Centre for paediatrics** in the UK
- GOSH is one of seven Genomic Laboratory Hubs in the UK and as a regional centre were responsible for coordinating the recruitment of patients to the 100,000 Genomes Project.

The Multi-Disciplinary Team (MDT) approach

The GOSH MDT approach allows children with rare and complex diseases to receive the best possible care.

All of GOSH's 67 paediatric clinical specialties and sub-specialties hold regular MDT meetings. MDTs are attended by over 20 professionals from different disciplines. The MDT approach is an effective and efficient way for staff to gain a holistic view of the

child. MDTs lead to better clinical decision-making and improved overall quality of treatment.

This approach allows for regular communication and collaboration between expert clinicians and support services, allowing children to receive the best possible care from the world-leading clinicians, all under one roof.

Treating patients at GOSH

- GOSH has a dedicated team to process referrals and allocate the most appropriate consultant to treat the specific condition
- The modern, purpose-built facilities mean most rooms are single en-suite cubicles with a parent bed. Families are safe in the knowledge that where highly specialised paediatric services are required, this is provided in the best physical environment for their needs
- Our children's menus have been designed in consultation with expert dietitians
- A team of Arabic interpreters are resident on the ward 7 days a week to support our families and attend appointments
- Our literature and ward signage are in dual language to help families during their stay at GOSH
- We encourage parents to stay with their children during the day as they would normally, as part of our family-centred care model.

Services by directorate at GOSH

Body, Bones & Mind

Child and Adolescent Mental Health
Gastroenterology
General Paediatrics
Nephrology
Neuropsychology
Trauma & Orthopaedics
Psychological Medicine
Specialist Neonatal & Paediatric Surgery
Spinal Surgery

Blood, Cells & Cancer

Bone Marrow Transplant
Dermatology
Haematology
Haemophilia
Immunology
Infectious Diseases
Oncology
Palliative Care
Rheumatology

Brain

Bardet Biedl
Clinical Neurophysiology
Endocrinology
Epilepsy
Metabolic Medicine
Neurodisability
Neurology
Neuromuscular
Neurosurgery

Core Clinical Services

Anaesthesia
Biomedical Engineering
Clinical Genetics
Chemical Pathology
Dietetics
Haematology
Histopathology & Mortuary
Immunology
Microbiology
Pharmacy
Occupational Therapy
Physiotherapy & Orthotics
Radiology
Speech & Language Therapy
Theatres

Heart & Lung

Cardiac Surgery
Cardiology
Cardiothoracic Transplantation
Children's Acute Transport Service
Cardiac Intensive Care Unit
Cystic Fibrosis
Extra Corporeal Membrane Oxygenation
Foetal Cardiology
Long-Term Ventilation
Neonatal Intensive Care Unit
Paediatric Intensive Care Unit
Pulmonary Hypertension
Respiratory Medicine
Transitional Care

Sight & Sound

Audiological Medicine
Cleft
Cochlear Implant
Craniofacial
Dental
Ear Nose & Throat
Maxillofacial
Ophthalmology
Orthodontics
Plastic Surgery
Urology

Highly specialised services

Auto Immune Gut Disorders

Bardet-Biedl Syndrome

Beckwith Wiedemann with Macroglossia Service*

Bladder Exstrophy

Complex Tracheal Disease*

Complex Osteogenesis Imperfecta

Congenital Hyperinsulinism

Craniofacial

Extracorporeal Membrane Oxygenation (ECMO)

Epidermolysis Bullosa

Heart and Lung Transplants

Inherited White Matter Disorders

Lysosomal Storage Disorders

Mechanical Support to Heart Transplant

Multiple Sclerosis Management Service

Paediatric Intestinal Pseudo-Obstructive Disorders*

Pulmonary Hypertension*

Rare Neuromuscular Disorders

Severe Combined Immune Deficiency

Vein of Galen

*Only provided at GOSH

GOSH and Kuwait history

GOSH has a valued relationship with Kuwait, dating back over 30 years.

- Provided care and treatment to over 300 Kuwaiti patients annually, across: Haematology, Oncology, BMT, Respiratory, Neurology and Neurosurgery, Intensive Care, Cardiology and Cardiac Surgery
- Delivered what is regarded as one of the most successful international contracts in Kuwait, in partnership with the Ministry of Health and NBK Hospital
- Kuwaiti nurses and scientists have participated in clinical observerships to GOSH working alongside peers to develop knowledge and expertise
- Senior Kuwaiti doctors have accessed the two-year International Fellowship programme at GOSH to develop sub-specialty expertise
- Refreshed our joint commitment to work together through a Memorandum of Understanding signed in March 2024.

Patient story

Hoor's triumph: Fighting a rare disease at GOSH

Hoor was a twin born prematurely in Kuwait in 2019, facing numerous health challenges from birth. Hoor was initially deemed unlikely to survive, but she defied the odds.

Ahmed, Hoor's father, told us, "Thankfully, after 20 days, doctors informed me that the baby they initially thought had passed away was actually alive. Sadly, her twin who was deemed to be the viable one had an infection and did not make it. Hoor, whom they thought couldn't survive, was alive but very sick."

Hoor battled a rare and complex inherited condition affecting multiple organ systems. At just one year old, she was referred to GOSH.

"At the time Hoor was referred to us she was very sick and was in intensive care. She had a tracheostomy, and through that was attached to a ventilator. It was thought that she had an exceptionally low chance of survival which is why she was referred to our centre for help," explains Dr. Paul Aurora, Consultant in Paediatric Respiratory Medicine and Lung Transplantation.

Ahmed continues: "In our first meeting, Dr. Aurora said, 'This is a complex case. I am not sure of the diagnosis; but we will find a way forward. We will tackle each issue one by one.'"

Her treatment involved collaboration among various specialty teams including pulmonology, cardiology, surgery, neurology, and genetics. Each team contributed expertise to diagnose and address the complexities of her condition.

A comprehensive treatment plan was devised, which included medical management, surgical interventions, and post-operative care. Under the skilled hands of the clinical team including Mr. Nagarajan Muthialu, Cardiothoracic Surgeon, Mr. Richard Hewitt, Paediatric Otolaryngologist Ear, Nose and Throat (ENT) Head and Neck Consultant, and Professor Paolo De Coppi, Consultant Paediatric Surgeon, Hoor underwent multiple surgeries, each aimed at addressing specific aspects of her complex condition.

"She had a rare lung disease which was diagnosed after a biopsy, and she had powerful immunosuppression treatment for that. She required heart surgery. She also required surgery on her stomach in order to protect her breathing. After all of this her condition greatly improved and we were able to move her out of the intensive care unit," explains Dr. Aurora.





Then challenges arose, including severe illness and the unexpected onset of the COVID-19 pandemic.

“The COVID pandemic started, and it was necessary for Hoor to return to Kuwait with her tracheostomy and feeding tube still in. Hoor then returned to us in late 2022 in order to have both of these removed. This was a complex procedure which required multiple operations and temporary use of non-invasive ventilation using a facemask,” said Dr. Aurora.

Post-surgery, Hoor required extensive aftercare, including close monitoring of her respiratory and nutritional status. Despite setbacks requiring temporary non-invasive ventilation, Hoor made remarkable progress.

Dr Aurora was able to stop the non-invasive mask ventilation a few months after removing the tracheostomy, and eventually Hoor achieved the milestone of breathing independently and feeding orally without assistance.

Since leaving GOSH, Hoor has been making remarkable progress, learning to walk, participating in occupational therapy sessions twice a week, and undergoing speech therapy to enhance her communication skills. She has also started

attending nursery, adapting gradually to the learning environment, and making friends.

During their time at GOSH, Hoor’s family received invaluable support from the International and Private Care Arabic interpreting team, who ensured effective communication with medical staff and explained medical procedures and care plans. “The Arabic interpreting team made a great and lasting impression on me during our family’s time at GOSH. They were very supportive,” said Hoor’s father.

The communal atmosphere within the Bumblebee Ward allowed Hoor’s family to connect with other parents facing similar challenges. “I’ve made friends with other parents in the Bumblebee Ward, and we used to come together and discuss different matters,” said Ahmed.

Reflecting on their journey, Hoor’s father expressed gratitude for the support received: “My daughter wasn’t expected to survive, and all the doctors we met before coming to GOSH said she wouldn’t survive. Her condition was extremely challenging. Thanks to God and to Dr. Aurora and his team, who did everything possible to keep Hoor with us, help her recover, and address the health issues she has endured,” expressed Ahmed.



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Contact us

Great Ormond Street Hospital International & Private Care

The Harris International Patients Centre,
The Octav Botnar Wing,
Great Ormond Street,
London, WC1N 3JH

Email: privateinfo@gosh.nhs.uk

Tel: +44 (0)203 965 9900

Web: gosh.com.kw



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