



A Healthier Future for Every Child

#SavingYoungLives



A newborn baby's feet are being held gently by a hand. The baby is lying on a white surface, possibly a hospital bed. The background is softly blurred, showing a hospital room with a window and some medical equipment. The overall tone is warm and caring.

Samitivej International Children's Hospital

is committed to ensuring every child grows up strong and healthy from the moment they are born. By integrating advanced Smart Hospital technology with the expertise of our medical team, we provide comprehensive, age-appropriate care at every stage of childhood—ensuring a healthier future for every child.



SAMITIVEJ INTERNATIONAL CHILDREN'S HOSPITAL

INTERNATIONAL HUB
FOR THE ADVANCEMENT
OF PEDIATRIC HEALTHCARE



EXPERTISE FOR EVERY PEDIATRIC CONDITION

Samitivej International Children's Hospital is a leading international center for pediatric care, recognized for its excellence in child health services. We excel in treating specialized conditions, complex diseases, rare conditions and challenging medical cases. With advanced capabilities we provide care for children of all ages, from newborns to teens, and those requiring cutting-edge medical treatments.

The hospital features 111 beds for pediatric patients, including 12 beds for critically ill children and 8 specialized neonatal intensive care beds. We also have a state-of-the-art Hybrid Operating Room specially designed for pediatric surgeries, ensuring a safe, child-friendly environment for treatment. With more than 20 years of dedicated experience serving children and their families, our children's hospital is equipped with modern technology and facilities and is supported by a team of highly skilled professionals with a strong reputation across the Asia-Pacific region.

Conveniently located near the airport, the hospital is easily accessible from Bangkok, nearby provinces and international destinations.



SMART HOSPITAL

THE FUTURE OF HEALTHCARE INNOVATION

ENVIRONMENTALLY FRIENDLY BUILDING

- Designed and built to meet Gold standard criteria for Leadership in Energy & Environmental Design (LEED).
- Over 50% of the electricity in patient rooms and operating rooms is supplied by clean solar energy.
- Heat-resistant smart glass significantly reduces energy use by keeping interior spaces more than 40% cooler than outside temperatures.

HYGIENE SOLUTIONS

Cleaning robots and the latest technology ensure the highest standard of cleanliness.



Over 50% of the electricity in patient rooms and operating rooms is supplied by clean solar energy.

ADVANCED AIR QUALITY

- Our air purification system ensures every breath is pure and keeps PM2.5 levels safely within the blue zone.
- The air circulation system enhances your safety by isolating contaminated areas and using UV treatment and HEPA filtration to ensure clean air.





SMART OPD/IPD

THE FUTURE OF HEALTHCARE INNOVATION

SMART OPD

- **Well Kidz Application:** Seamlessly manage your child's health from anywhere at any time, including scheduling doctor's visits, tracking vaccinations, growth and development, checking service statuses, and handling payments.
- **Pre-entry Patient Screening Point:** Isolates respiratory infection cases for care in negative pressure examination rooms.
- **Kidz Check:** Quickly evaluate symptoms from home or connect with specialists in real-time through our Kids Telehealth service.
- **Crowd Canvas:** Simplifies OPD patient data into clear animations that display service traffic, helping staff respond promptly.
- **Kids Dashboard:** A smart queue system that updates you on the status and wait times for doctor appointments.
- **Smart ER:** Alleviates stress through sensory experiences of sight, taste, smell, sound and touch, designed to calm children and parents even in an emergency.
- **Smart Ambulance:** An advanced ambulance equipped with Transport Patient Monitor technology, providing continuous, real-time monitoring of vital signs from the ambulance directly to the emergency room, NICU/PICU, or operating room.



CLOUD HOSPITAL

- **Kid@Home:** Provides ongoing healthcare services for children at home, seamlessly integrating post-illness recovery support and developmental assistance at every age.
- **Kids Telehealth:** A telemedicine service that offers simple, around-the-clock access to pediatric consultations from anywhere.

SMART IPD

- **AI Price Estimation:** Eliminate worries about treatment costs with price estimates in advance.
- **Smart Patient Communication:** Enables real-time communication between patients and their care teams.
- **Hybrid Operating Theater:** A modern operating room equipped with biplane imaging technology for high-resolution imaging.
- **IntelliSpace Critical Care and Anesthesia (ICCA) Patient Data Management System:** A comprehensive system that supports medical teams in collecting and monitoring patient data, including vital signs, for real-time analysis and clinical decision-making in critical cases.
- **Pediatric Patient Beds:** Low beds designed with rounded corners for optimal safety.
- **Nurse Station IV Alarm:** A monitoring system that ensures uninterrupted IV fluid delivery without disturbing patients.
- **Samitivej Prompt:** Keeps track of treatment status and daily routines, and communicates needs and messages via mobile messaging during hospital stays.
- **Samitivej PACE:** Reduces family anxiety by allowing real-time tracking of surgical procedures.
- **Fast Discharge:** Saves waiting time and streamlines the discharge.





MEDICAL TECHNOLOGY

ADVANCING SUSTAINABLE HEALTH THROUGH INNOVATION

With advanced technology applied to the care of children and their families, we are dedicated to delivering care that meets international standards, encompassing prevention, diagnosis, treatment and rehabilitation under the Total Health Solution concept. Examples include the Whole Genome Sequencing Test to identify genetic disorders in infants; the Tiny Voice, an AI tool that interprets a baby's cries to determine their needs; AI-driven growth assessment technology for bone development evaluation; minimally invasive treatments and surgeries for heart conditions in a specialized pediatric cardiac catheterization lab (Intervention Pediatric Cardiology); and hydrotherapy in a salt chlorinator pool to alleviate muscle pain and inflammation.

SPECIALIZED CARE

- We serve pediatric patients from more than 100 countries worldwide.
- Comprehensive care is provided to more than 300,000 outpatient and 30,000 inpatient children annually.
- More than 7,000 general emergency and critical pediatric patients are treated every year, from newborn age and up.
- More than 3,000 critically ill pediatric patients have been returned home safely after their treatment.
- Over 1,000 newborn and pediatric surgeries, including minimally invasive procedures.
- Specialized care has been provided for premature infants with birth weights below 500 grams. Data valid through 2024.
- More than 400 newborns with heart conditions have been successfully treated through surgical correction.
- More than 60 children with scoliosis have been successfully treated through corrective surgery.
- We conduct more than 500 medically supervised patient transfers annually, both within Thailand and internationally.
- Pediatric patients with thalassemia, cancer and primary immunodeficiency disorders are treated using bone marrow transplantation through advanced Haploidentical Stem Cell Transplantation technology. This approach utilizes stem cells from parents or family members, achieving a one-year post-transplant survival rate as high as 92% compared to the European Society for Blood and Marrow Transplantation (EBMT) benchmark of $\geq 88\%$.

Thailand's first private
pediatric hospital, providing
specialized care in every
field with a team of more than

100 pediatricians.





Our team consists of leading pediatric hematologists and oncologists employing cutting-edge and innovative treatments.

● PEDIATRIC BLOOD AND CANCER CENTER AND STEM CELL TRANSPLANTATION CENTER

The team consists of leading pediatric hematologists and oncologists employing cutting-edge and innovative treatments, including:

- Hematopoietic Stem Cell Transplantation: Using hematopoietic stem cells from the parent to treat thalassemia, cancer, and primary immunodeficiency disorders.

- Chimeric Antigen Receptor (CAR) T-Cell Therapy: A cutting-edge genetic engineering cell therapy approach to treat lymphoma and leukemia.

Bone Marrow Transplant Service Provider of the Year in Asia-Pacific Award 2024 (GlobalHealth Asia-Pacific Awards)

SPECIALIZED MEDICAL CENTERS

CENTERS OF EXCELLENCE

● PEDIATRIC AND NEONATAL CARDIOLOGY AND HEART SURGERY CENTER

Our pediatric cardiologists, pediatric cardiac surgeons, and their specialized team provide comprehensive diagnosis and treatment for cardiac and vascular conditions, covering all types of pediatric heart disease:

- Congenital heart diseases (cyanotic and non-cyanotic), treated through closed heart surgery, open heart surgery, and transcatheter cardiac intervention techniques.

- Conditions treated include arrhythmia, pericarditis, myocarditis, endocarditis, rheumatic heart disease, Kawasaki disease and coronary artery aneurysm.

We have successfully performed more than 400 surgical procedures for congenital heart defects and various heart diseases. Our surgical procedures include treatment for newborns, with catheterization laboratory procedures available as an alternative to surgery.

Our pediatric cardiologists and pediatric cardiac surgeons provide diagnosis and treatment for all types of pediatric heart disease.





Equipped for immediate response, the hybrid operating room enables X-ray imaging without transferring the patient.

● NEWBORN AND PEDIATRIC SURGERY CENTER

The pediatric and neonatal surgical team provides specialized surgical expertise for children from the moment they are born. Our team performs general surgery, as well as neonatal and pediatric minimally invasive surgery utilizing advanced endoscopic techniques with incisions as small as 2 mm, reducing

the risk of injury and facilitating faster recovery times. Equipped for immediate response, the hybrid operating room utilizes advanced radiological imaging technology installed within the surgical suite to optimize surgical efficiency and capabilities for patients with the most complex conditions.

● PEDIATRIC EPILEPSY, BRAIN AND NEUROLOGICAL DISEASES CENTER

Our team of pediatric neurologists provides diagnosis and treatment of brain and nervous system disorders for patients from birth through childhood.

- We provide treatment and care for conditions related to neurological disorders, including chronic headaches, encephalitis, epilepsy, meningitis, brain hemorrhages, brain abscesses, subdural empyema, brain tumors, hydrocephalus, cerebral palsy, spinal cord disorders, and premature fusion of cranial sutures (craniosynostosis).
- Our skilled pediatric neurosurgeons perform brain and spinal surgeries, including shunt operations to remove excess cerebrospinal fluid. These procedures, such as VP Shunt, VA Shunt, Cysto-pleural Shunt, and Syringo-pleural Shunt, are essential treatments for patients with hydrocephalus.

- We are able to perform surgical implantation of a vagus nerve stimulator (VNS) to control seizures in children suffering from epilepsy that does not respond to medication.

- Ketogenic diet plans are offered to treat epilepsy with complications.

Diagnoses are carried out using state-of-the-art diagnostic technology alongside leading magnetic and radiological imaging techniques, such as EEG, EMG, CT scans and MRI, as well as pediatric cerebrovascular imaging like MRA and MRV. These tools ensure the highest accuracy and suitability in treatment planning for each patient.

Our Pediatric Epilepsy, Brain and Neurological Diseases Center provides diagnosis and treatment of brain and nervous system disorders for patients from birth through childhood, led by our team of pediatric neurologists.





● NEONATAL INTENSIVE CARE UNIT (NICU)

The neonatal intensive care unit consists of highly skilled doctors and nurses specialized in caring for premature infants, including those weighing less than 500 grams, and newborns with postnatal complications. The unit utilizes advanced technologies including high-frequency ventilators, nitric oxide machines, extracorporeal membrane oxygenation (ECMO), and hypo-hyperthermia/body cooling temperature regulation systems.

● PEDIATRIC INTENSIVE CARE UNIT (PICU)

The Pediatric Intensive Care Unit provides treatment for critically ill children with organ failure, utilizing advanced equipment such as extracorporeal membrane oxygenation (ECMO) and continuous renal replacement therapy (CRRT), and managed by a team of pediatric intensivists and critical care nurses with specialized expertise. Care is delivered in sterile environments designed to maintain contamination-free conditions through precise air pressure control. Positive pressure rooms keep external contaminants out, while negative pressure rooms filter airborne pathogens before safely expelling purified air outside the building, reducing the risk of spreading pathogens in both the patient's room and the outside environment.

● AEROMEDICAL TRANSPORT AND EVACUATION CENTER FOR CRITICALLY ILL INFANTS AND CHILDREN

Our team includes pediatricians specialized in aeromedical transport, with expertise in helicopter emergency medical services (HEMS) and training from Germany's ADAC HEMS Academy. Providing services including air ambulances and commercial flights, these specialists safely transport critically ill children and infants between healthcare facilities worldwide and to their home countries for continuity of care, with more than 300 transfers completed as of 2024.

● PEDIATRIC EMERGENCY AND TRAUMA CENTER

Emergency and critical pediatric care starts at the scene. Our ambulances are equipped with real-time communications linked to the Samitivej Medical Transport Center, enabling transmission of patient data in advance allowing the hospital's medical team to provide immediate treatment upon arrival.

- An onboard telemedicine system enables continuous treatment planning even while patients are being transported, resulting in increased survival rates through prompt and effective care.
- Accredited for specialized pediatric patient transport by the Commission on Accreditation of Medical Transport System (CAMTS) and CAMTS Global.

Utilizing advanced equipment to treat critically ill children with organ failure.





Post-treatment rehabilitation utilizes advanced technologies, including robot-assisted gait training.

● PEDIATRIC REHABILITATION CENTER

Our team of specialists, including physiatrists, pediatric neurologists, pediatric pulmonologists, developmental and behavioral pediatricians, and other multidisciplinary professionals, delivers holistic care for children with neurological disorders, cerebral palsy and other complex conditions, across the Asia-Pacific region. For post-treatment rehabilitation, our Multidisciplinary Care Team

utilizes advanced technologies including robot-assisted gait training, Hybrid Assistive Limb (HAL), and Redcord NEURAC to enhance patient recovery.

Winner of the Best Physiotherapist and the Best Children's Hospital awards at the Middle East Healthcare Leadership Awards in Dubai for two consecutive years.

● PRECISION PEDIATRIC ALLERGY AND ASTHMA CENTER

Our Precision Pediatric Allergy and Asthma Center is led by pediatric allergists and immunologists who provide targeted, precise diagnosis and treatment for effective outcomes. We provide care for allergic conditions including asthma, allergic rhinitis (hay fever), food and drug allergies, urticaria (hives), chronic allergic sinusitis, and atopic dermatitis. Our expertise extends to all types of autoimmune diseases, including systemic lupus erythematosus (SLE) and juvenile idiopathic arthritis (JIA).

Our clinical laboratory services include skin and blood allergy testing, nasal cytology (to analyze allergic cells in the nasal cavity), pulmonary function testing, oral challenge test for foods, drug provocation test for medication and vaccine reactions, and autoantibody blood testing.

Treatment options include allergy and asthma medications, including oral medications, asthma inhalers, nasal sprays for allergic rhinitis, biological agents, and allergen immunotherapy (allergy vaccines) administered via subcutaneous injection or sublingual tablets. Oral immunotherapy is available for patients with food allergies.

● CHILD DEVELOPMENT AND LEARNING ENHANCEMENT CENTER

Our developmental and behavioral pediatricians provide comprehensive care to support children's learning and developmental progress. Working collaboratively with specialists in related fields, such as pediatric neurologists, physical medicine and rehabilitation doctors, developmental psychologists, and speech-language therapists, they deliver multidisciplinary services including art and music therapy. Our team:

- Assesses developmental and behavioral milestones to identify each child's individual capabilities.
- Provides care and fosters child development tailored to children's emotional needs and their families' lifestyles.
- Offers guidance on developmental stimulation techniques through play, combining both theory and practice.
- Facilitates development of fine and gross motor skills, language acquisition, emotional intelligence, social competence and cognitive function through a diverse range of activities and toys that cover all areas of development.
- Addresses developmental delay concerns.
- Provides guidance on learning difficulties, attention enhancement and appropriate digital media usage.

Our Precision Pediatric Allergy and Asthma Center is led by pediatric allergists and immunologists who provide targeted, precise diagnosis and treatment for effective outcomes.





**WORLD-CLASS PARTNERSHIPS ADVANCING
COMPREHENSIVE HEALTHCARE**

INTERNATIONAL PATIENT SERVICES

Samitivej International Children's Hospital collaborates with Doernbecher Children's Hospital at Oregon Health & Science University (OHSU), USA, to advance the care and treatment of critically ill children, newborns, and pediatric emergency and trauma patients. Our approach emphasizes multidisciplinary team-based care to enhance efficiency. Additionally, through a partnership with Takatsuki General Hospital in Japan, we provide specialized care for critically ill newborns and comprehensive allergy treatment, supported by highly skilled teams of doctors and nurses.

COMPREHENSIVE CARE FOR INTERNATIONAL PATIENTS

We are dedicated to providing comprehensive and seamless services at every step, tailored to address the specific needs of international patients. Our integrated approach ensures excellence at every stage of their treatment.

● Before Arrival

- **Teleconsultation Services:** Connect remotely with medical specialists to evaluate symptoms and plan your treatment ahead of travel.
- **Aeromedical Transport and Evacuation Services:** Safe and rapid transportation for medical treatment. In critical cases, a specially trained medical team closely monitors and cares for the patient throughout their journey to ensure safety.

● During Treatment

- **Dedicated Coordinators:** A team managing appointments, addressing inquiries and facilitating the treatment process within the hospital.
- **Professional Interpreter Services:** Language support ensuring accurate communication for optimal care delivery.
- **Concierge Services:** Personalized assistance enhancing comfort and convenience throughout the treatment journey.

● After Treatment

- **Aeromedical Transport and Repatriation Services:** Secure medical transport to your destination, with continuous monitoring by experienced aeromedical specialists.
- **Follow-up Teleconsultation:** Ongoing care and rehabilitation guidance through remote consultation to support full recovery.





FOR THE COMMUNITY

CORPORATE SOCIAL RESPONSIBILITY



SAMITIVEJ NEW LIFE FUND

Since its establishment in 2010, the fund has facilitated life-saving surgeries for more than 270 children with congenital heart defects, carried out bone marrow transplants for 9 children with thalassemia and primary immunodeficiency, and performed spinal surgeries for 39 children with scoliosis.



PROMOTING GOOD HEALTH AND SHARING KNOWLEDGE WITH THE COMMUNITY

- Delivering health check-ups, education, preventive care, medications and vaccinations to children in underserved and remote areas with limited access to healthcare. For over a decade, this ongoing initiative has supported 600 students at Beaumont Ruam Pattana School in Chaiyaphum Province and 100 children at Thanyaphon Reception Home for Girls in Thanyaburi District, Pathum Thani Province.
- Air and helicopter medical transport is provided by neonatologists, pediatric intensivists, pediatric and emergency doctors with subspecialty training in pediatric emergency medicine, and a specialized team of emergency and critical care nurses. The team has specialized training in air ambulance and Helicopter Emergency Medical Services (HEMS), having completed advanced training and the Train-the-Trainer Workshop at the ADAC HEMS Academy in Germany, and is certified by the National Institute for Emergency Medicine (NIEM) in Thailand. By sharing this specialized knowledge both within and outside of our organization, we improve the quality of emergency care across the region and Asia Pacific.
- Providing basic first aid training to students and staff in a number of schools.
- Promoting breastfeeding initiatives.
- Hosting seminars to provide parents with knowledge and age-appropriate development assessments.
- Organizing educational activities on special occasions, such as National Children's Day and World Asthma Day.

AWARDS & HONORS

2024 Bone Marrow Transplant Service Provider of the Year in Asia-Pacific
from GlobalHealth Asia-Pacific Awards 2024

2024 Mommy's Choice Award: Popular Hospital for Maternity Care
from Amarin Baby & Kids Awards 2024

2023 Honorable Mention: Valued Healthcare
category, BDMS AWARDS 2023 Innovative Sustainable Healthcare

2022 Outstanding Award of the Year: Specialty Hospital of the Year
from Healthcare Asia Awards 2022

2022 Winner of the Talent Development Award for outstanding potential in pediatric care with the program "PEM-STAR - A Novel Program to Enhance Pediatric Emergency Medicine Training in Thailand" guaranteeing international quality standards, from the Hospital Management Asia Awards 2022.

2022 Honorable Mention: Valued Healthcare
category, BDMS AWARDS 2022 Innovative Sustainable Healthcare

2021 Paediatric Cardiology Service Provider of the Year in Asia-Pacific
from GlobalHealth Asia-Pacific Awards 2021

2021 Asia Responsible Enterprise Awards 2021
for Samitivej New Life Fund

2018 Paediatric Service Provider of the Year
from GlobalHealth Asia-Pacific Awards 2018

2017 Paediatric Service Provider of the Year
from GlobalHealth Asia-Pacific Awards 2017

2016 Best Children's Hospital
from The Middle East Healthcare Leadership Awards of Dubai

2016 Best Physiotherapist
from The Middle East Healthcare Leadership Awards of Dubai





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