

UNIVERSITY OF THE HEALTH SCIENCES, ISTANBUL ZEYNEP KAMIL
MATERNAL AND CHILD DISEASES HEALTH TRAINING AND RESEARCH CENTER,
DEPARTMENT OF THE PEDIATRIC SURGERY,

Department of the Pediatric Surgery an internationally renowned staff of pediatric surgeons, surgical pediatric physician trainees and nurse practitioners skilled in pre- and postoperative surgical care. Our surgeons serve important roles in multidisciplinary programs and services throughout Zeynep Kamil Maternity and Children's that involve highly specialized training and expertise. Comprehensive diagnostic and therapeutic services for the entire spectrum of general pediatric surgery and urology medical and surgical conditions affecting the respiratory system, the gastrointestinal system and the kidneys, bladder and genitourinary system of childrens between 0-18 years old patients were provided at department of the Pediatric Surgery. Our mission is to provide excellent, innovative care that improves the medical and quality-of-life outcomes of children and families living with complex conditions of the genitourinary and respiratory and gastrointestinal systems.

With the increasing use of high-resolution ultrasonography on expectant mothers, many congenital (present at birth) conditions are now detected before birth at Perinatology of our hospital. Pediatric surgeons have special training in the surgical repair and postoperative management of these conditions. To assure the best possible clinical outcomes, they work closely with neonatologists, perinatologist obstetricians and physicians who specialize in maternal fetal medicine. Before delivery, pediatric surgeons meet with expectant mothers and their partners, providing them with an understanding of the developmental abnormalities and discussing possible corrective operative procedures that their newborn will need to undergo. After delivery, newborns are transferred to neonatal surgical intensive care unit at our pediatric surgical department to undergo the prescribed surgery. Our multidisciplinary care programs allow our patients and their family to see multiple specialists. Each specialist has a unique perspective about your child's condition and potential treatment options. The pediatric surgeons will meet as a team to create with the patient and family a coordinated plan of care.

Our team includes pediatric surgeons, nurses, social workers and psychologists. Our clinical staff is recognized nationally and internationally for expertise in surgical neonate and patient care, clinical and laboratory research, and surgical education. Our excellent patient outcomes have been demonstrated in numerous papers published in professional medical journals. Our skilled a pediatric surgeon/urologist and pediatric surgeons have extensive experience in the medical and surgical management of complex genitourinary / respiratory /gastrointestinal conditions. We perform surgical reconstruction of even the most complicated conditions arising from congenital malformations, trauma and cancer. We are particularly well known for expertise in the evaluation and treatment of urologic conditions associated with anorectal malformation or other complex anomalies. We also have a unique experience in the management of neonatal surgery, especially in *Very Low Birth Weight Prematures* including surgical reconstruction. Our pediatric surgery teams perform prenatal evaluations with perinatologists; and see children from birth through young adulthood, performing more than 2,500 surgeries annually. Approximately 500 babies per years were operated due to complex anomalies from simplex situations like as inguinal hernia. Pediatric surgeons also perform surgery to place central venous lines or ports or other access or vascular access in neonates for neonatal intensive care units of our hospital or another centers. These devices are implanted under the skin, enabling chemotherapy to be given in a less painful and more effective way.

The expertise to treat children with even the most complex esophageal disorders such as: Esophageal atresia (EA) - including long gap esophageal atresia, tracheoesophageal fistulas (TEF), esophageal duplications, bronchogenic cysts, esophageal strictures (narrowing of the esophagus) and Caustic ingestions. Many complex colorectal or urogenital procedures each year more than any other center in the country performed at our department. Pediatric surgeons specialize in the treatment of anorectal malformations, imperforate anus, Hirschsprung's disease and other issues related to the bowel, including constipation and fecal incontinence. The Pediatric surgery department works closely with colleagues in perinatologist and gynecologist and pediatricians (and neonatologists and other pediatric divisions), as well as many other specialists in a variety of fields, making for a unique model of collaborative care. We coordinate each child's evaluations, as well as operative and diagnostic procedures, so each patient can be evaluated at one time by our renowned team of specialists.

All urologic conditions also evaluated and treated or operated beside gastrointestinal or respiratory conditions at our department include undescended testicle, hernia, hydrocele, meatal stenosis, labial adhesions, epididymitis and urinary tract infections, circumcision, bed-wetting, daytime wetting, duplicated kidney, ectopic ureter, frequency / urgency urination, hypospadias / chordee, kidney stones, meatal stenosis, hydronephrosis ureterocele, urinary reflux, ureteropelvic junction obstruction(upj), urethral stricture, varicocele; and all complex conditions like ascomplex anorectal malformation, persistent cloaca, bladder exstrophy, cloacal anomalies, cloacal exstrophy, complex hypospadias, disorders of sexual development (DSD) in reconstructed genitourinary tracts., eagle-barrett syndrome (prune belly), epispadias, neurogenic bladder / bowel, posterior urethral valves (PUV), cancer of the urinary and genital systems, stone traumatic injury of the urinary system or genitals We are dedicated to providing quality lifelong care to children with highly complex genitourinary conditions that involve abnormalities of the bladder, urethra, vagina and anorectum.

Pediatric surgeons in the department of the Pediatric Surgery work closely with in the Cancer and Blood Diseases departments of other centers to establish tumor diagnosis, assess the stage of a tumor (how far it has spread), plan the appropriate therapy (surgery, chemotherapy, radiation) and plan the proper timing of surgery. Together with pediatric medical oncologists of other centers, children with solid tumors, including neuroblastoma; nephroblastoma (Wilms tumor); rhabdomyosarcoma; teratomas; and other solid abdominal, pelvic, thoracic, cervical and extremity tumors were operated at our department.

We treat patients from our local area, across the nation and around the world. We understand the unique stresses of long-distance care and make every effort to arrange a comprehensive, coordinated visit with your child's multidisciplinary care team. We are also interested in collaborating with your local physicians to care for your baby or child.

Contact the Pediatric Surgery Department at celayiraysenur@gmail.com .

TEAM OF THE PEDIATRIC SURGERY (01.09.2020)

Prof. Dr. Ayşenur CELAYİR, MD. Pediatric Surgeon and Pediatric Urologist, Chief of the Pediatric Surgery in Istanbul Zeynep Kamil Maternity and Children's Diseases Training and Research Center, Director of the Pediatric Surgery in University of Health Sciences.

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