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Removed both kidneys at 10 months old

Received mum's kidney at age 5

Primary 2 pupil Hannah Phoa was born with a rare disorder, but gets a new lease of life with organ transplant

Venessa Lee

Seven-year-old Hannah Phoa was put on dialysis when she was just 10 days old. A rare disorder detected shortly

after she was born signalled the imminence of kidney failure. Her two kidneys were removed when she was 10 months old. For the first five years or so of her life.

She endured dialysis for up to 14 hours a day and had to be tube-fed. Dialysis is a treatment to remove

waste products and excess fluid from the blood when the kidneys malfunction.

As soon as she could, her mother

donated one of her kidneys to Hannah in January 2021, when the child was five.

Ms Leong Wei Yee, 39, says: "It

was an automatic decision. It would give Hannah a better quality of life. Like other parents in similar situations, it's a privilege to give my kidney to her, not so much a sacri-The public health researcher

sides: A transplant had always to decide who should donate a sakes. A transplant had always to decide who should donate a sakes. To decide who should donate a sake to the sake to decide who should donate a sake to decide who sa her body could not produce urine. 40, were found to be suitable kid-needed after the transplant.

Ms Leong's work would be less affected, as she was working part-

ime then. She was glad that Hannah did not have to wait nine years for a transplant, which is the average waiting time for patients who received a kidney from a deceased donor in

lished by the National Organ Transplant Unit. June 6 is World Transplant Day, which calls attention to persons who live with transplanted organs or are waiting for transplantation. Even while Hannah, now a Pri

donated her

kidney to Hannah

low levels of amniotic fluid.

mary 2 pupil, was in the womb, her kidneys were not working proper-

When Ms Leong was seven months pregnant with Hannah, she was hospitalised after a routine ultrasound scan showed unusually

"The decreased amniotic fluid suggested that something may be wrong in the kidneys because less urine was being produced," says one of Hannah's doctors, Associate Professor Ng Kar Hui.

HANNAH PHOA, on the time she was sick and needed between 10 and 14 hours of dialysis daily

Hannah Phoa when she was around five months old. Like most babies with

needs. PHOTOS: EUGENE TAN, COURTESY OF LEONG WEI YEE

kidney failure. Hannah had to be

My kidneys weren't

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kidneys.

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entre for Organ Transplantation (NUCOT) the specialist centre for (NUCOT), the specialist centre for both adult and paediatric organ transplantation under National University Hospital (NUH), Hannah had a swollen appearance after she was delivered pre-

maturely at 34 weeks of pregnan-

age of three, and, in most cases, Wilms tumour, a type of kidney

years ago.

Like most babies with kidney failure, Hannah had to be tube-fed

after the transplant, this has im-proved with time," says Dr Ng. In Hannah's early childhood, blended food sustained her via a gastrostomy tube inserted into her stomach. She only occasionally had a bite of certain foods, with the

cheese, it was so good," says Han-nah, who has since developed lac-tose intolerance and now avoids

The dialysis machine worked condition. during the night as she slept, as

used by therapists, hospital staff

got so used to caring for Hannah

that they once tube-fed her on an

She and her parents also receive

two hours because of her higher

fluid intake. Her teacher even got her to tell her classmates about her

has Denys-Drash syndrome, where scar tissue forms throughout the tiny blood vessels in the kidneys that filter waste from blood. The rare condition is characterised by kidney failure, typically before the

cancer.
"Every 10 years, we see three to four cases of Denys-Drash syndrome of varying severity," says Professor Yap Hui Kim, another of

to meet her nutritional needs, as to meet ner nurritional needs, as well as to administer her medicines. Being tube-fed gave her an aversion to food. "As she matured after the transplant, this has imited a healthy lifestyle.

She and her parents also receive psychosocial support from the militidisciplinary team at NUH caring for Hannah. Prof Yap says: "Kidney rejection is always a risk. If it happens, she has to go back to dialysis. This is a lifelong journey. The child eventu-ally needs to own the disease and manage her health, rather than the had a bite of certain foods, with the help of a feeding therapist.

Around two weeks after her transplant, she tried some cheese-flavoured Cheetos snacks for the first time. "When I started eating Hannah seems to be taking de velopments in her stride.

When she entered Primary 1 in 2022, she went to the toilet every

dairy. Most of her dialysis was done at She is a senior consultant at the paediatric kidney transplantation when using a machine, for be"Kids are very resilient," notes

during the mgm as—well as during some of her waking hours, where she was largely kept cocupied by her lênd. Prolonged enting have been overturned, even to avoid under the circumstances, says her mother.

**The second of the company Hannan has had numerous trips to the hospital and more than sev-en surgical procedures, including the transplant. But she is still scared of needles. She keeps a rather than chasing after excelto the hospital and more than sev-en surgical procedures, including the transplant. But she is still

scared of needles. She keeps a hand towel with her, which serves as a security blanket whenever she as a security blanket whenever she has to undergo yet another process. Hannah recently took up ballet and wushu.

Playscape, where there's a big Peppa Pig house," she says, referring to
a space for children at NUH that is
filled with books and toys and is

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What time. My mum was very generated in the says of the says of the says.

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drome of varying severity," says
professor Yap Hui Kim, another of Hannah's dectors.

Me Leong says: "It stouch is the medical director and emeritus consultant of the paedia-tric kidney transplantation programme at NUCOT, where Harnah's transplant took place two anabit transplant better. As long as the child is out of the hospital, that is already in the tetter. As long as the child is out of the hospital, that is already they are the same around the tetter. As long as the child is out of the hospital, that is already they are the same around the tetter. As long as the child is out of the hospital, that is already they are the same around the