

Pediatric Liver Transplant Program



 Pediatric NMC surgeons led by Byers Shaw, M.D., and R. Patrick Wood, M.D. performed the city's first liver transplant on July 19, 1985.

First Pediatric Liver Transplant

August 25th, 1985 She was 3 years old – married and kids

"We were here to help people and not worry about statistics. That has been the nature of our program – to always strive to do what's best for our patients and their families" - Dr Shaw

Clinical Team



Transplant Surgeons – 5
Pediatric Transplant Hepatologist – 4
Nurse Practitioners – 3
Transplant Coordinators – 3 (3 IRP)
Transplant Dietician – 1 (3 IRP)
Transplant Pharmacist (PharmD) - 2, and 3 peds
PharmD that helps with transplant patients.
Social Worker
Nurses
Child Life
PT

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Pediatric Liver Transplant Program-



- According to UNOS: 640 pediatric (0-19 y/o) isolated livers since 10/1/1987
- Of those 640, 556 were deceased donors and 84 were living donors
- Documented in EPIC: we have completed 54 pediatric liver transplants prior to 10/1/1987 (1985- 1987)

Pediatric Transplant Surgical Modalities



We offer a variety of surgical modalities including:

- Deceased- Donor Liver Transplantation
 - Split Liver Transplantation
 - Left lateral
- Living Donor Liver Transplantation
- Auxiliary Liver Transplantation
- Expanded Donor Criteria

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Pediatric Diagnosis



Biliary Atresia TPN-ALD (SBS, Atresias, etc)

Autoimmune Hepatitis

PALF

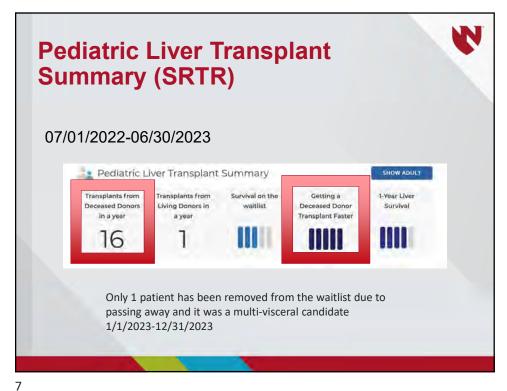
Hepatoblastoma

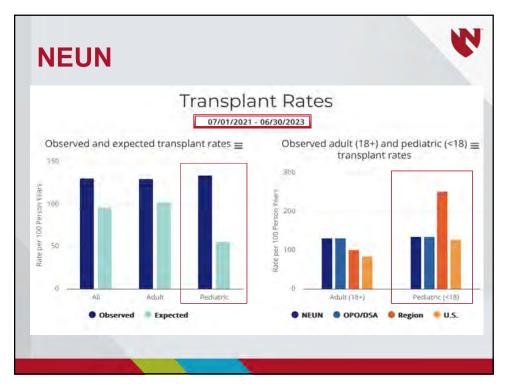
Alpha 1 Antitrypsin deficiency

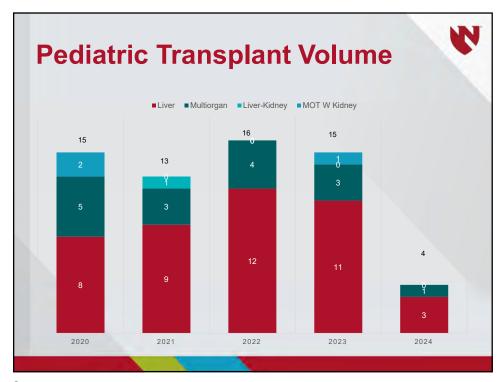
CFRLD

Alagille's Syndrome

Metabolic Disorders (MSUD)







Pediatric Transplant Wait List



- There are 7 pediatric patients currently listed:
 - 2 for isolated livers
 - 5 are listed for liver, intestine, and pancreas

Pediatric Liver Transplant Survival Rates



SRTR data for 7/1/2020-12/31/2022 that was recently released on January 9th. This includes both living and deceased donors.

•Pediatric Liver Graft Survival

90 Day: 100%1 Year: 100%3 Year: 86.15%

•Pediatric Liver Patient Survival

1 Year: 100%3 Year: 92.31%

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Living donor program



- 1/1/2020-12/31/2023
 - 6 pediatric patients received a living donor liver transplant
 - 5/6 of the donors were related to the recipients

Goals:

- To increase awareness in the community about this option
- To increase the volume of donors
- To get known around the country

Working with Pediatric Subspecialties



- Nephrology
 - We have done 3 LSBPK and 1 L-K transplants in the past 3 years
- Metabolic/Genetics
 - One patient with MSUD (metabolic)

Cardiology

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Forming New Pediatric Transplant Hepatologists



Pediatric Gastroenterology Fellows

■ 5 fellows – 3 years of training

Pediatric Transplant Hepatology Fellow

■ 1 fellow – 1 year of training

Trainees from other countries

- Colombia
- Panama
- Mexico

Future of the Program



- To become one of the most recognized programs in the country
- · To increase the number of Transplant per year
- Work in Collaboration with other Centers around Nebraska (lowa, South and North Dakota, Kansas, Missouri), and continue to grow relationship with existing referral centers

Research programs:

- CHILDHOOD LIVER DISEASE RESEARCH AND EDUCATION NETWORK (CHILDREN)
- NONALCOHOLIC STEATOHEPATITIS (NASH) CLINICAL RESEARCH NETWORK

PEDIATRIC ACUTE LIVER FAILURE (PALF)

 STUDY OF PEDIATRIC LIVER TRANSPLANTATION (SPLIT)

Member of organizations like:

- SPLIT
- AASLD
- NASPGHAN
- IPTA

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