Northwestern Medicine® Liver Transplantation Justin Boike MD, MPH

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What Does The Liver Do?



References: https://www.unos.org; https://optn.transplant.hrsa.gov/; https://www.niddk.nih.gov/health-information/liver-disease/liver-transplant

What Is A Liver Transplant?

How To Be Listed For Liver Transplant?

- for transplantation
- transplant coordinators

- geographic region

How Does The List Work?

- have highest priority
- Stage Liver Disease (MELD)

Time Sind Transpla

- Year
- 3 Years
- 5 Years

Advances In Liver Transplant At NW

- (Drs. Lisa VanWagner and Josh Levitsky)
- Ladner)

NORTHWESTERN UNIVERSITY

AFFINBERG

SCHOOL OF MEDICINE

• A transplant team meets with potential recipients to review their candidacy

• The multidisciplinary team includes transplant surgeons, hepatologists (liver specialists), psychiatrists, dieticians, social workers, case managers and

Each center has its own set of guidelines for listing patients

If approved by the committee, the patient is placed on a national waitlist to obtain an organ from a deceased donor

The Organ Procurement and Transplantation Network (OPTN) links all the transplant centers with donors and coordinates availability of organs within a

• A patient may be on the list for several days or even years

When an organ becomes available, factors determining allocation include blood type, body size and then severity of illness; i.e. the sickest patients

Severity of illness is calculated by a scoring system called: Model for End-

• MELD score is determined by several factors from routine blood tests that are associated with the function of the liver

• A higher MELD scores correlates to shorter wait list time

Life After Liver Transplant

ce nt	Organ Survival	Patient Survival
	90%	92%
	81%	84%
	73%	76%

Increasing access to liver transplant among select patients with recent alcohol use who were previously "high risk" candidates (Dr. Priya Maddur) Reducing post-transplant complications by limiting immunosuppression medications and the associated long-term complications related to their use

Development of tissue scaffold matrix technologies allowing for organogenesis (Dr. Jason Wertheim)

• Improvements in transplant surgical safety among liver donors (Dr. Daniela