

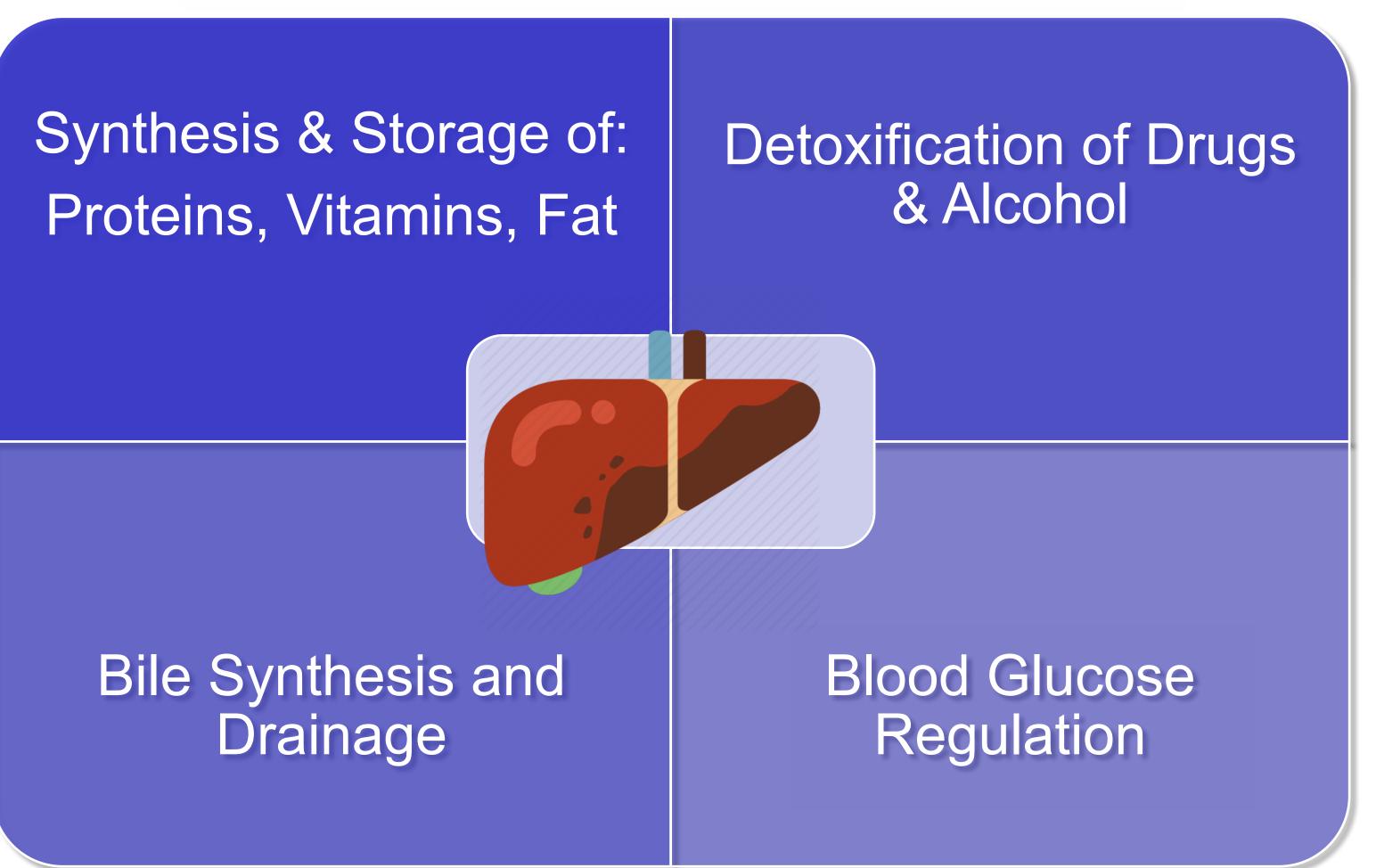
Liver Transplantation



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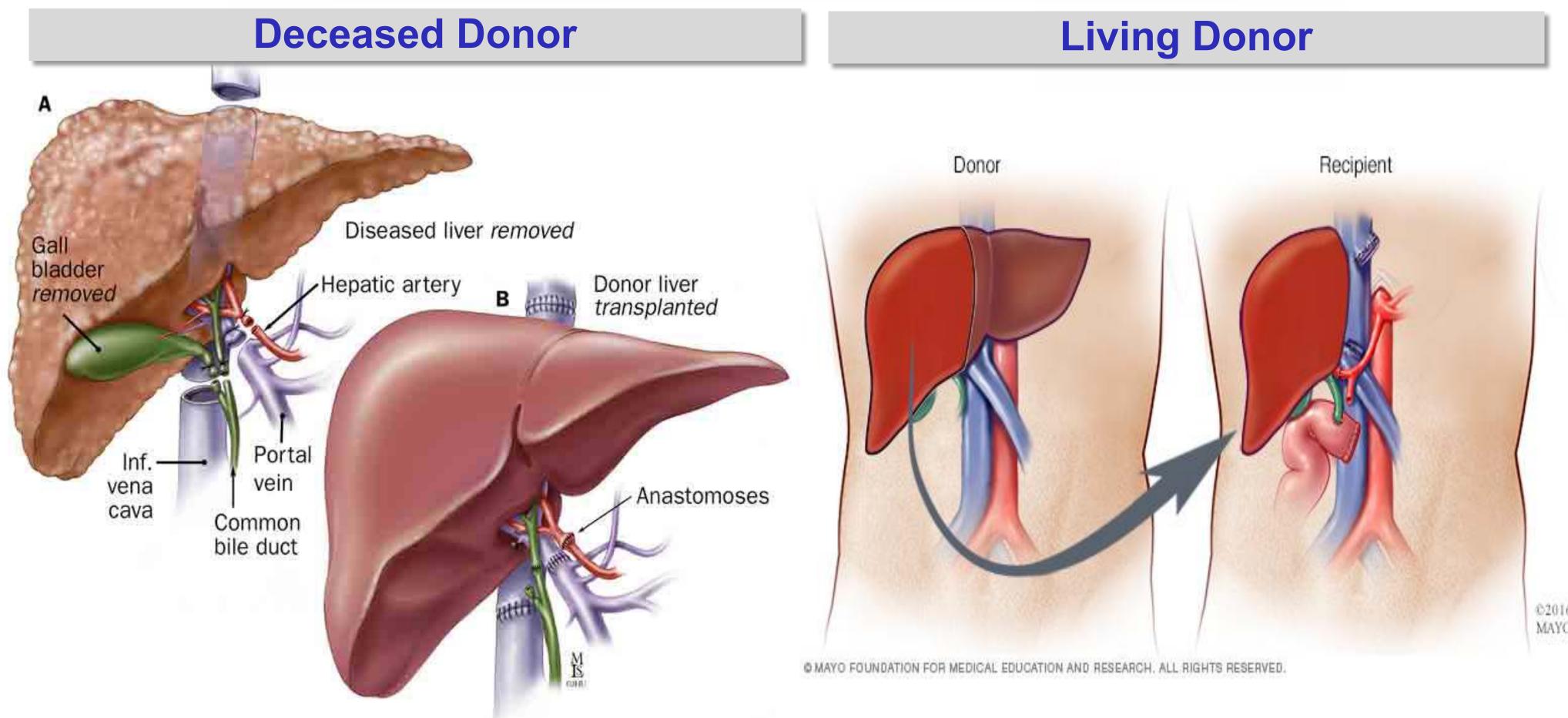
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What Does The Liver Do?

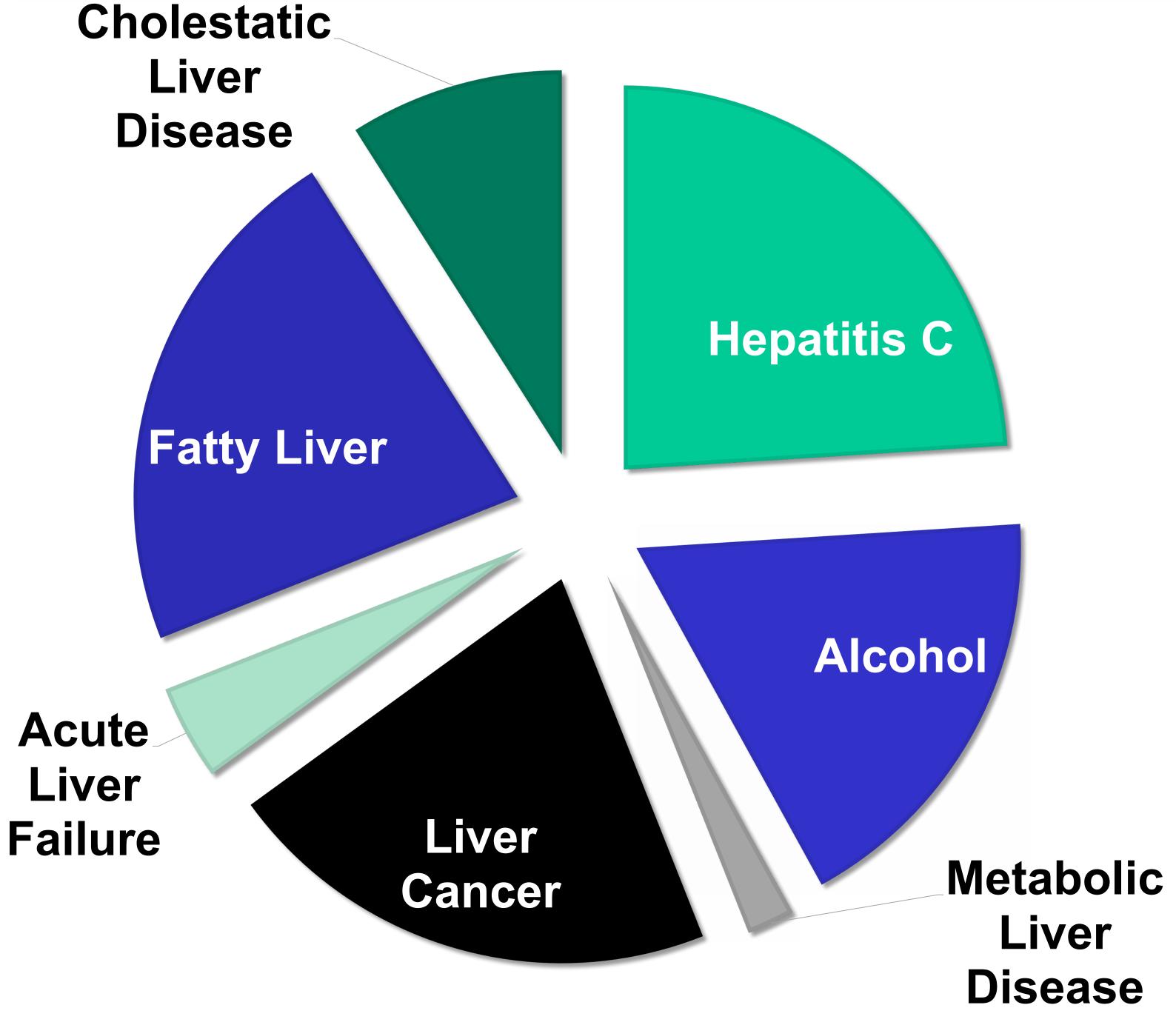


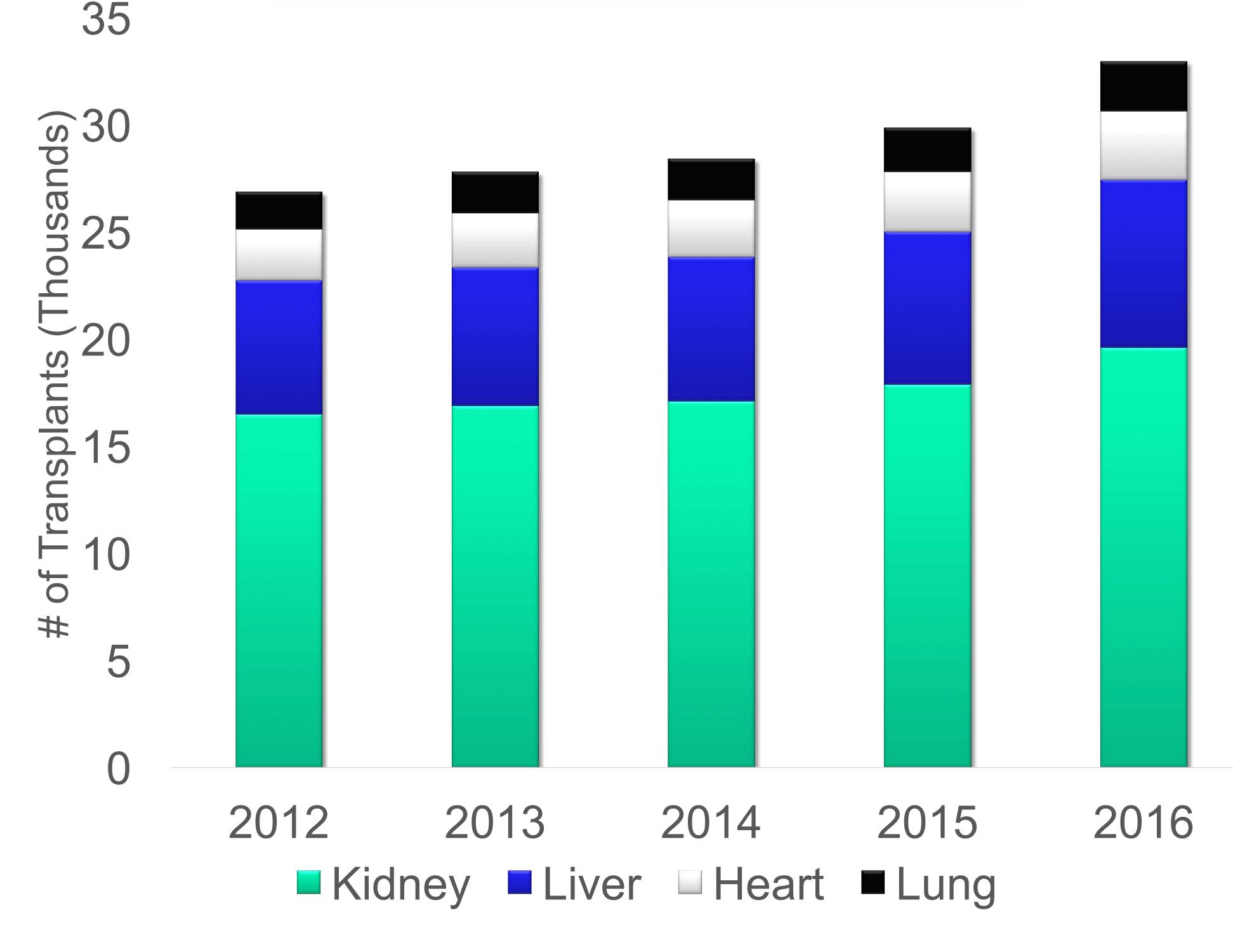
What Are Reasons For Liver Failure?

What Is A Liver Transplant?



What Is A Liver Transplant?





How To Be Listed For Liver Transplant?

- A transplant team meets with potential recipients to review their candidacy for transplantation
- The multidisciplinary team includes transplant surgeons, hepatologists (liver specialists), psychiatrists, dieticians, social workers, case managers and transplant coordinators
- 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 geographic region

How Does The List Work?

- 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 have highest priority
 - Severity of illness is calculated by a scoring system called: Model for End-Stage Liver Disease (MELD)
- 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

Time Since Transplant	Organ Survival	Patient Survival
1 Year	90%	92%
3 Years	81%	84%
5 Years	73%	76%

Advances In Liver Transplant At NW

- 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 (Drs. Lisa VanWagner and Josh Levitsky)
- Development of tissue scaffold matrix technologies allowing for organogenesis (Dr. Jason Wertheim)
- Improvements in transplant surgical safety among liver donors (Dr. Daniela Ladner)

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