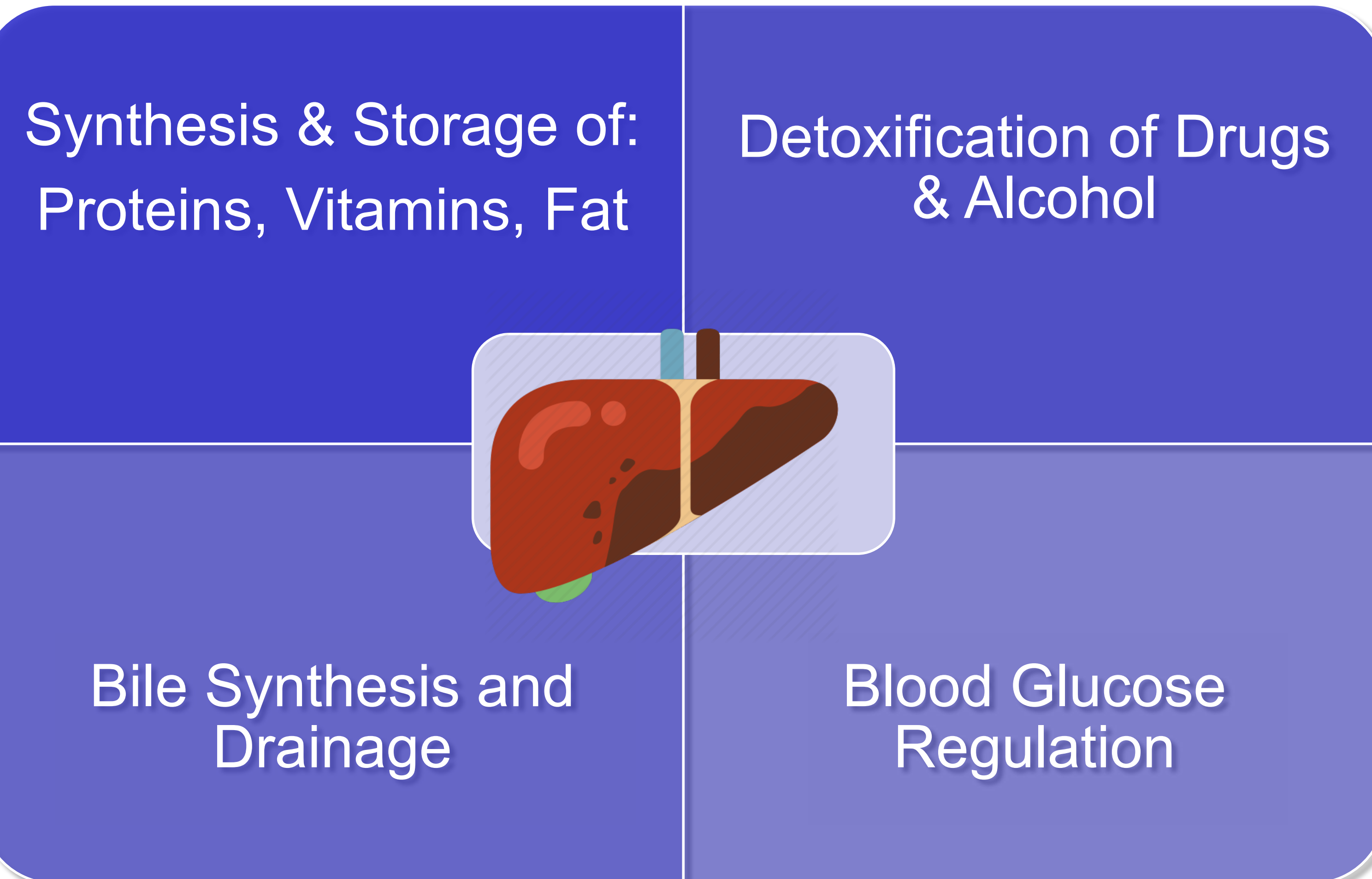


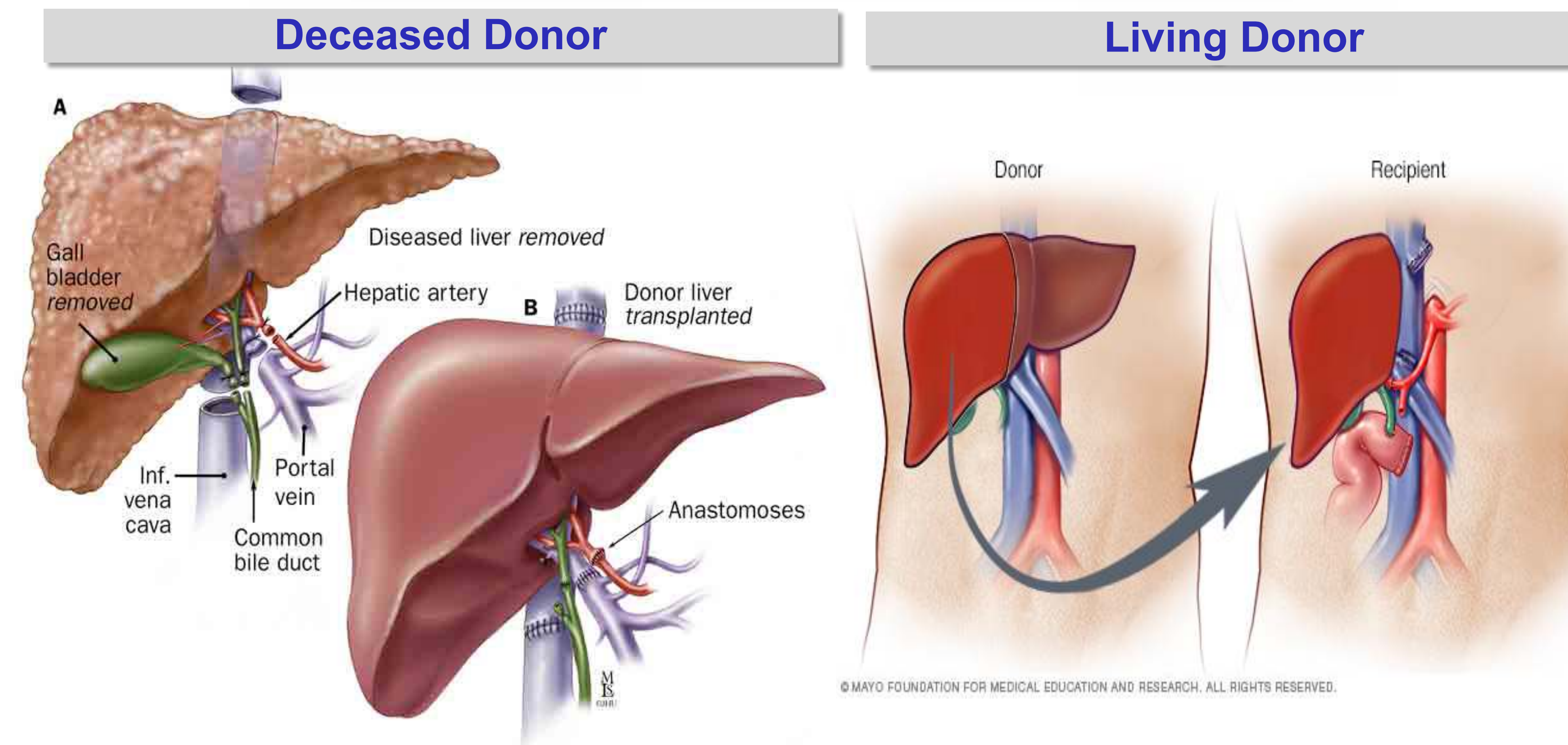
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## What Does The Liver Do?



## What Is A Liver Transplant?



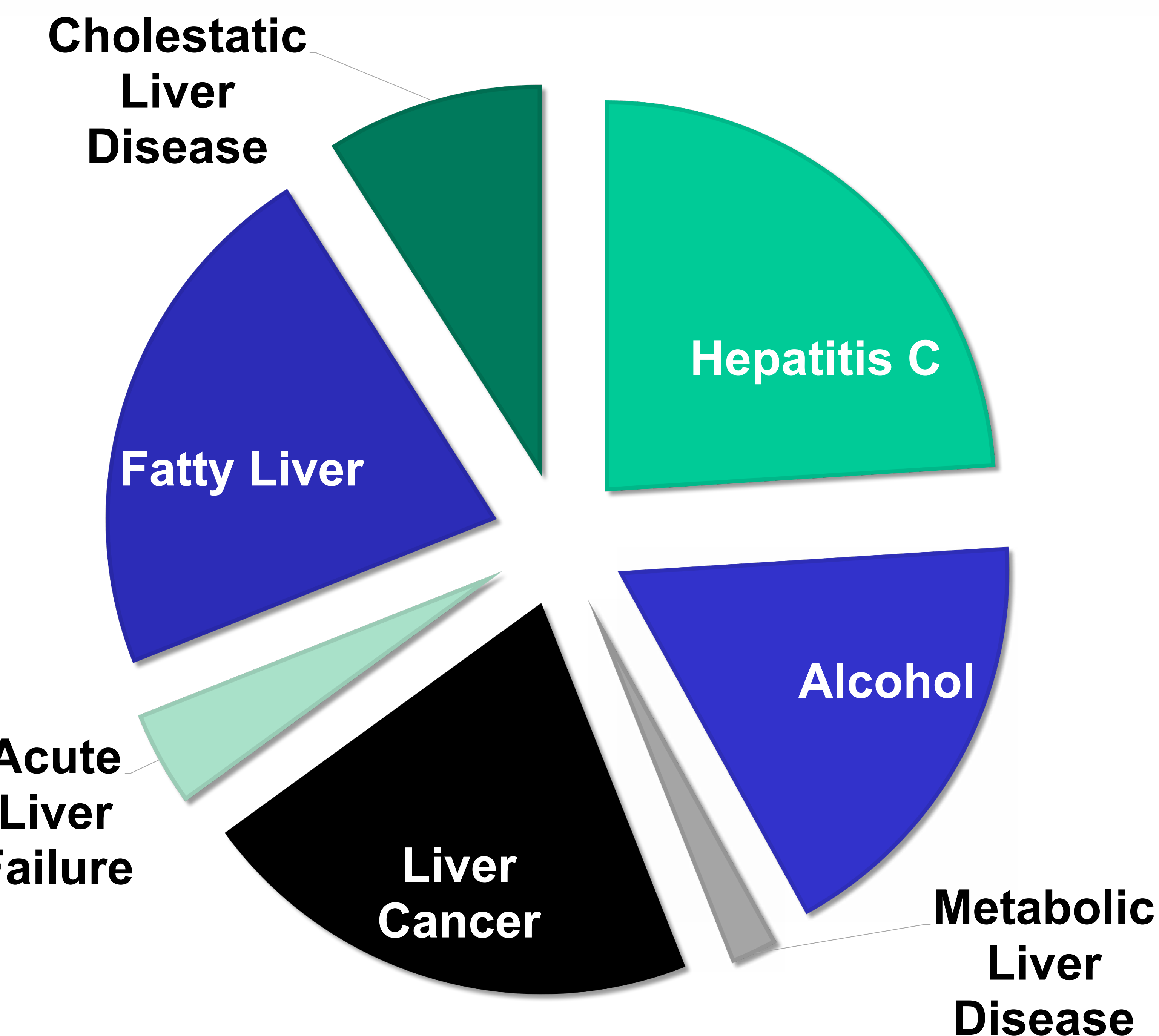
## How To Be Listed For Liver Transplant?

- 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

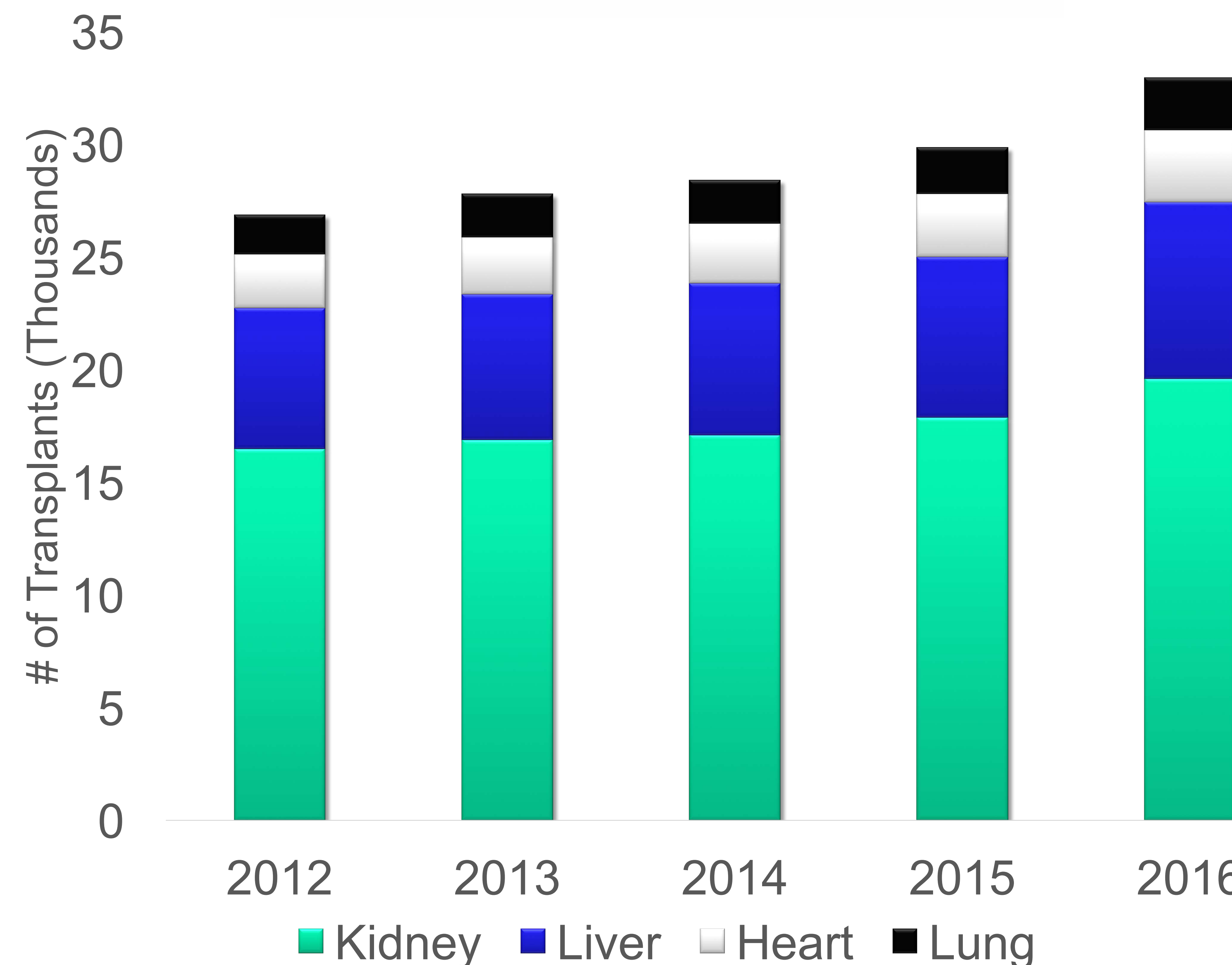
## How Does The List Work?

- 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

## What Are Reasons For Liver Failure?



## What Is A Liver Transplant?



## 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)