

## UCMC Liver Transplant Guidelines Donation after Circulatory Death (DCD)

Transplantation of livers from donation after circulatory death (DCD) donors will follow the following guidelines.

Heparin (30,000 units) is to be administered to the donor before or during withdrawal of life sustaining treatment.

Agonal time cutoffs:

- ≤ 30 minutes – standard DCD
- ≤ 45 minutes – DCD-normothermic regional perfusion (NRP)

...with agonal time being defined as time from **donor SBP <50 mmHg to initiation of cold preservation or NRP. SpO2 is NOT to be considered** in determination of agonal time.

All DCD allografts will utilize hypothermic or normothermic machine perfusion during the preservation phase.

tPA administration in the recipient:

- standard DCD – 2mg of tPA diluted in 10 cc of water is to be administered and dwell within hepatic artery prior to initiation of hepatic artery anastomosis
- DCD-NRP – no tPA to be administered