

NORMOTHERMIC REGIONAL PERFUSION (NRP)

INFORMATION FOR OR STAFF

NRP is a recovery technique that utilizes in-situ perfusion of specific organs for transplant, allowing for improved stewardship of the donor's gift and providing hope to those in need of a life-saving transplant.

How It Works

Upon declaration of death, isolated perfusion and oxygenated blood is reestablished to the thoracic and/or abdominal area. The cerebral arteries are clamped and vented to prevent brain perfusion and the aorta and right atrium are cannulated.

Benefits

- Mitigates the detrimental impact of warm ischemic time
- Increases the number of organs otherwise not transplantable
- Improves organ function
- Improves organ recipient outcomes

OR Specifics

- Patient is extubated, cardiac death is declared & donor is promptly moved to OR
- NRP team will arrive prior to recovery to ensure proper equipment set up
- Hospital OR will determine location and storage of PRBC's (4-5 units)
- Hospital OR will need to take into consideration anesthesia availability