

Normothermic Regional Perfusion



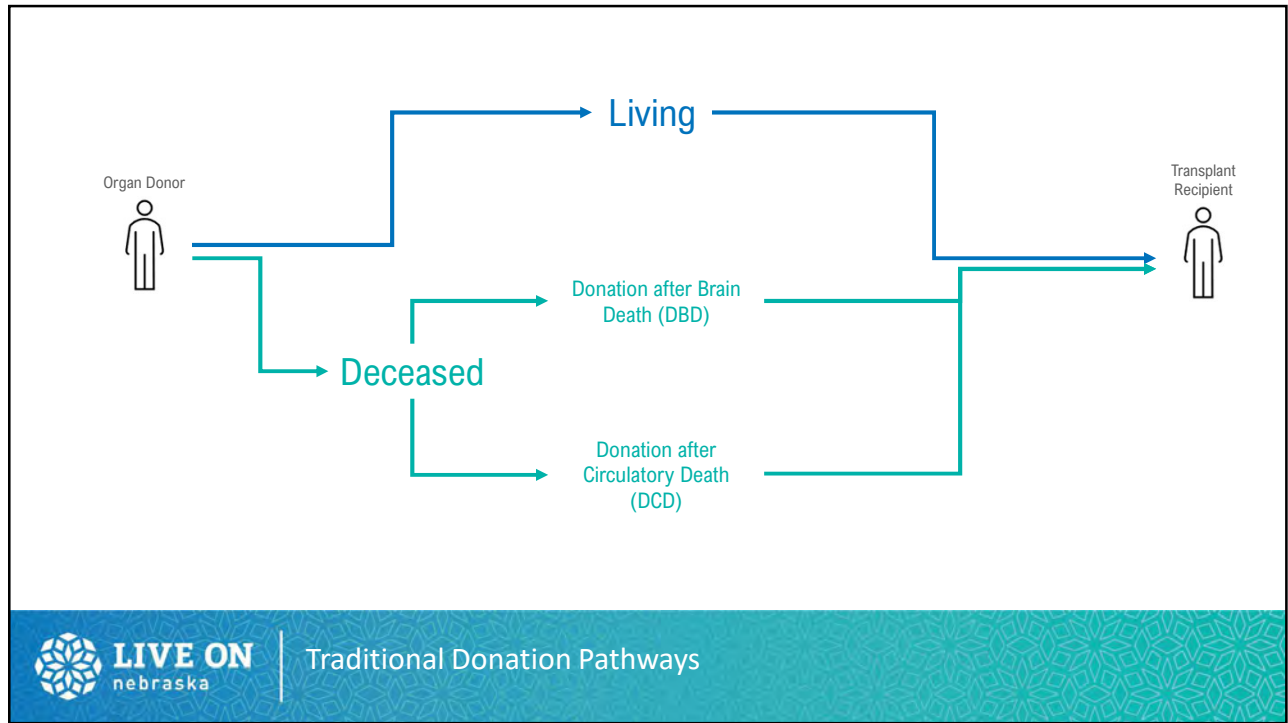
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- Federally designated organ procurement organization for Nebraska and Pottawattamie Co, IA
- Not-for-profit
- Functions:
 - Determine suitability
 - Work with donor families
 - Collect and report clinical information
 - Allocate organs for transplant
 - Facilitate the organ recovery process

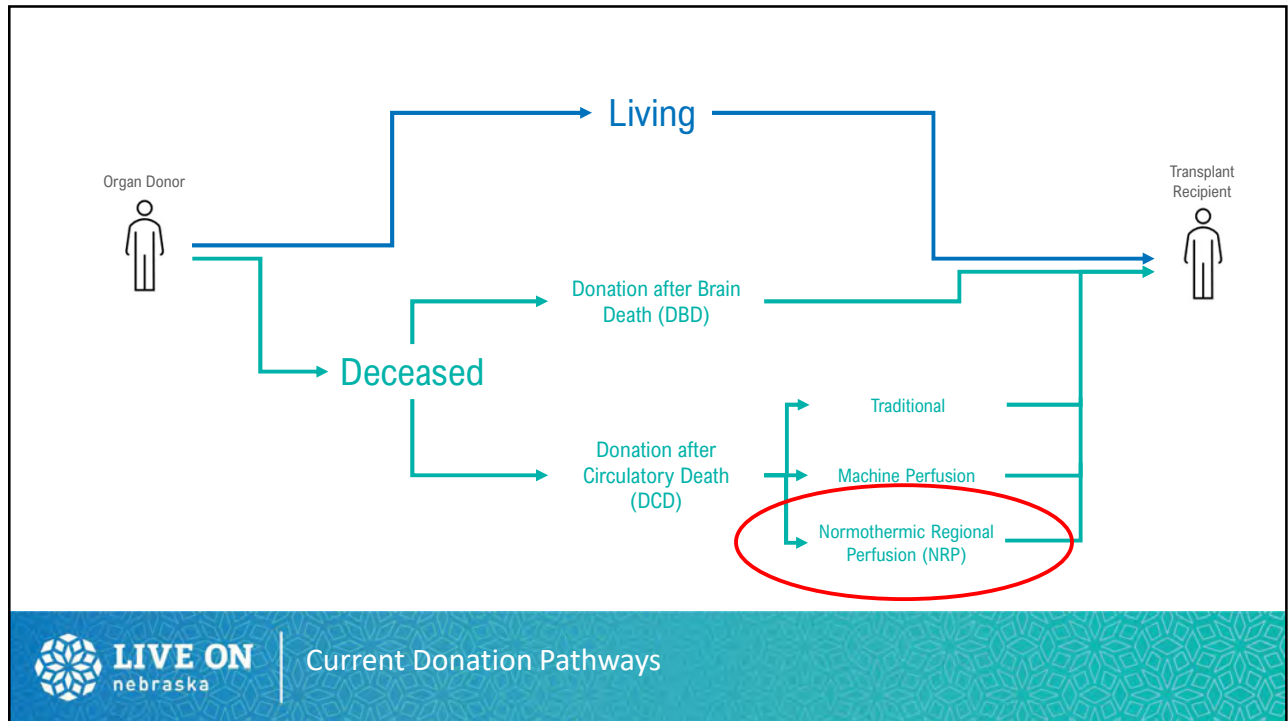
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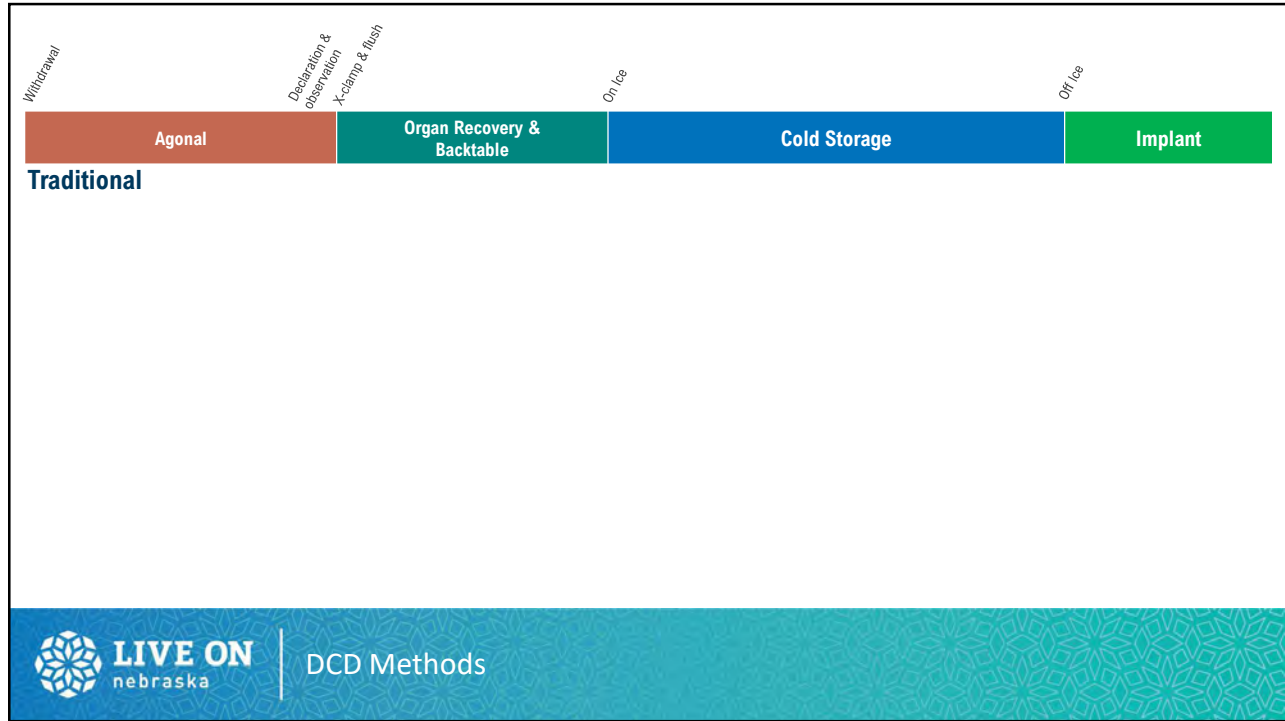
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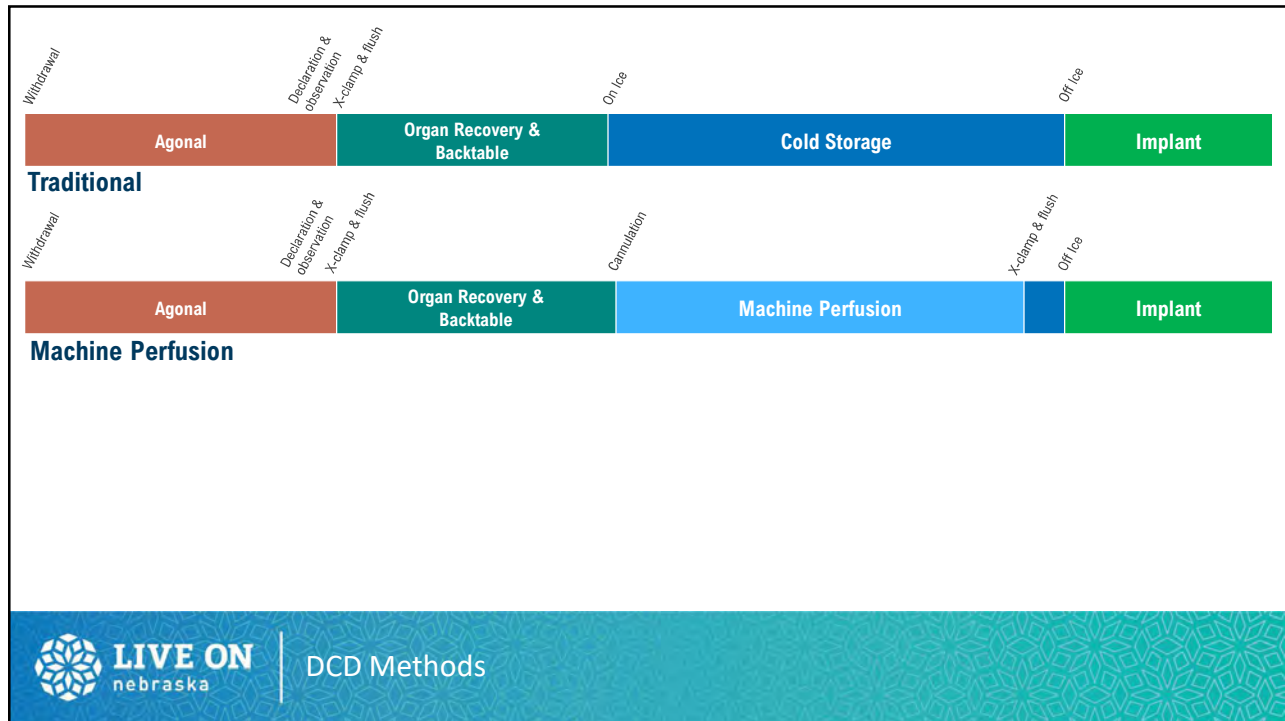
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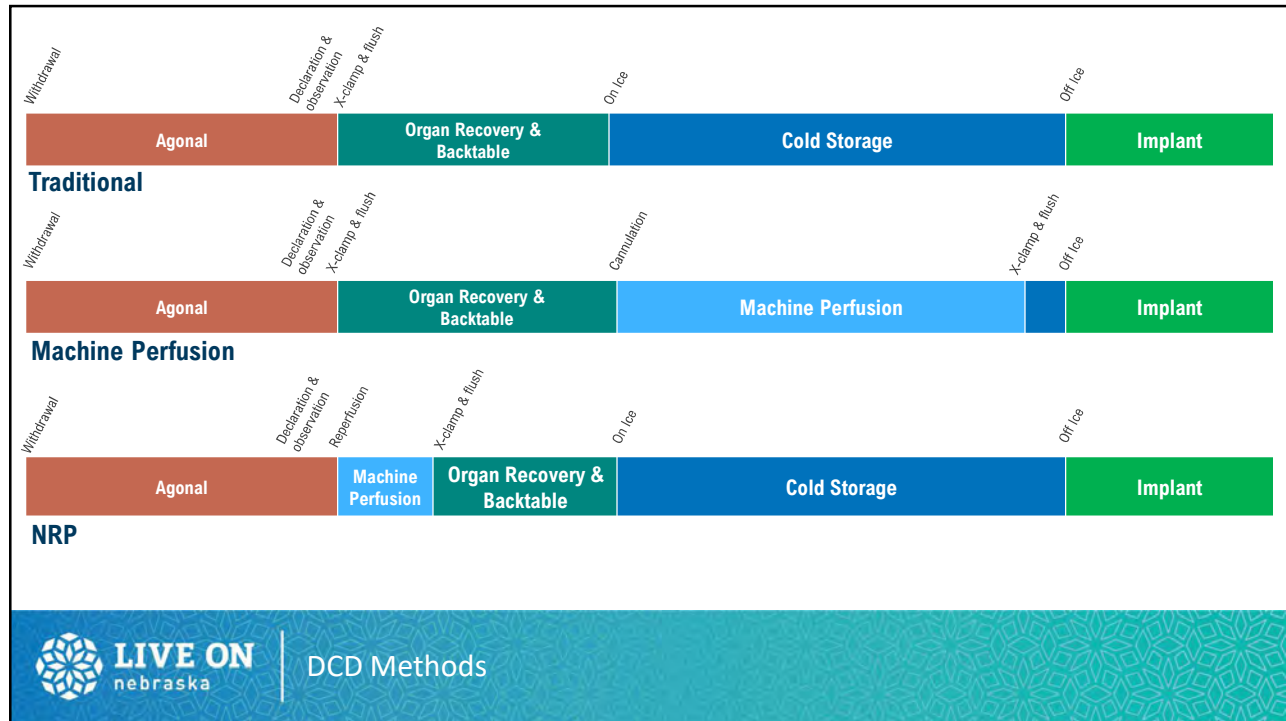
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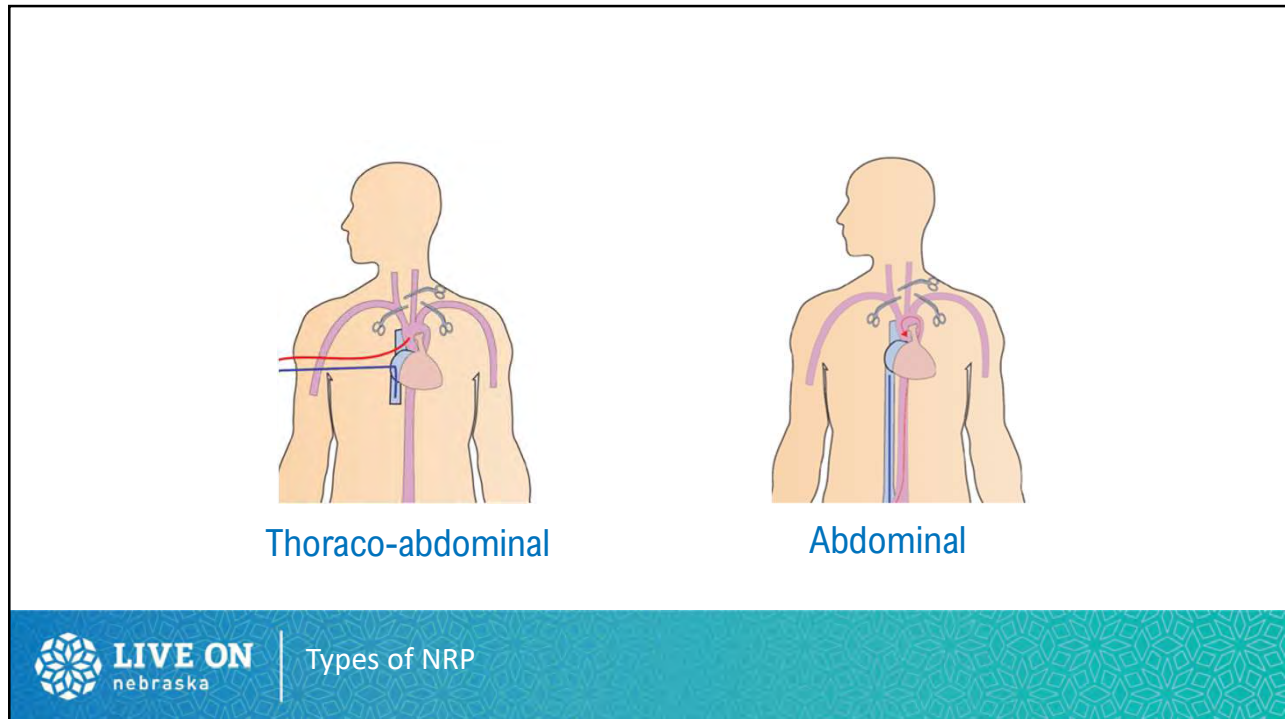


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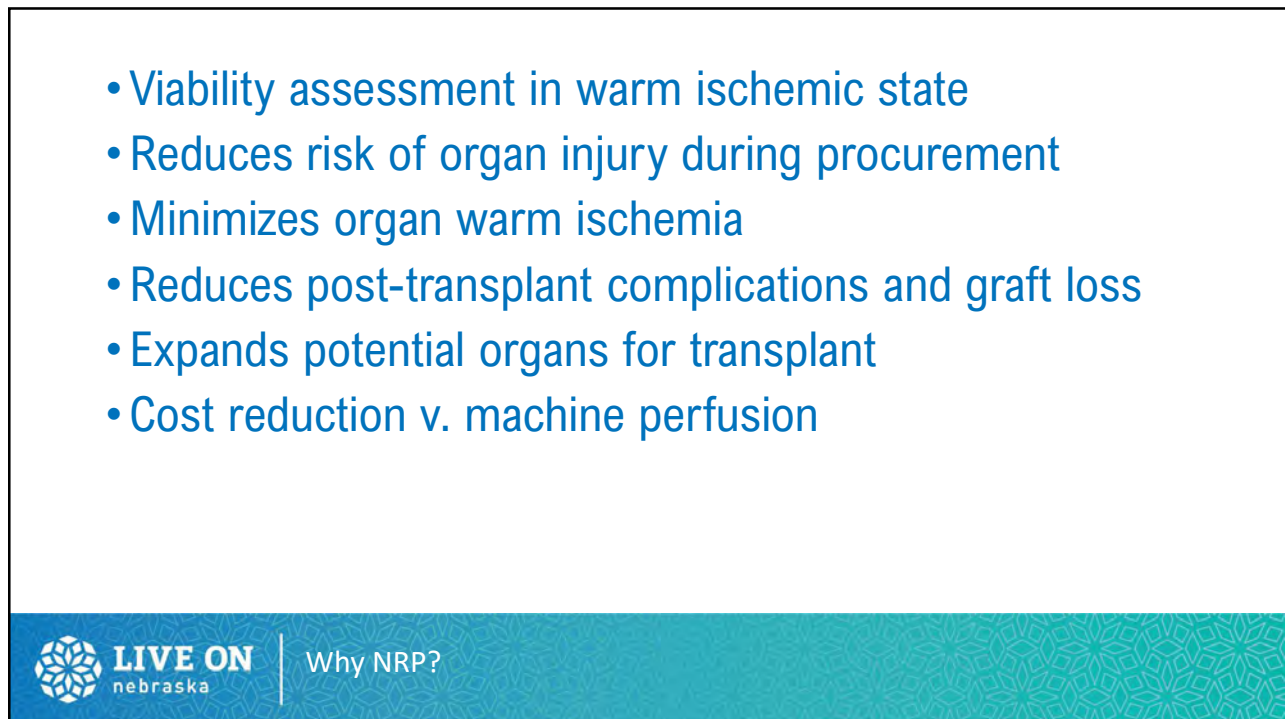
1. Death declaration
2. Observation for auto-resuscitation
3. Incision
4. Vessel occlusion & cannulation
5. Machine perfusion
6. Organ function evaluation
7. Cross-clamp
8. Rapid organ recovery, backtable, & packaging

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- Process mirrors traditional DCD through death declaration
- Minimal OR adjustments
 - Transplant centers provide most equipment and staff for perfusion
 - Slight increase in OR time
 - Lab requests



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Donor Hospital NRP Impact

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- Organs that might not have been recovered through traditional NRP are now considered
- Authorization process
 - No additional authorization required
- How much detail should be shared with donor families?
 - American Society of Transplant position was that a clear communication plan should be established



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Donor Family NRP Impact

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- Donor family focus group

- Facilitated by Live On Nebraska
- 7 previous donor families participated
- “During the donation process, what information did you want to receive about the surgical recovery?”
 - “I wanted to know my loved one would not be feeling any pain. His comfort was my only concern.”
 - “If I wanted to know more, I would have asked.”
 - “That is your loved one. You don’t want to think about that part (surgery). You want to know about the happy part, the recipients.”



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Donor Family NRP Impact

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- Live On Nebraska donor family messaging position

- Offer to provide as much or as little information as the family wants
- Messaging is directed by the donor family



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Donor Family NRP Impact

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- 13 NRP DCD donors in Nebraska from 2021-2023
- 17 organs transplanted that would not have been with traditional DCD



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Outcomes

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- Increased Abdominal NRP
- Expanded NRP donor suitability



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Whats next?

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