



PURPOSE: PROVIDE "O NEG" RED BLOOD CELLS TO TRANSPLANT FOR ORGAN OX DEVICE

PROCESS: RED BLOOD CELLS FOR ORGAN OX

REV. #, DATE 07.11.23

DOCUMENT OWNER: TRACIE INGLE

Step	Description:	Key Point / Image / Reason	Who
Note: Organ Ox Device is used to maintain viability of organ to determine the suitability for Transplant			
1	Decision is made to use Organ Ox Device *not all organs will be placed on device	When decision is made to use the Device: the organ will be registered with a Name/MRN in CERNER *Each organ donor is assigned a unique Organ ID number by UNOS (United Network for Organ Sharing).	Transplant Team
2	Organ is Registered with a unique Name and MRN	<ol style="list-style-type: none"> 1) Registration will use the UNOS# in the Name 2) Last Name: UNOS# 3) First Name: LIVER 4) MRN: assigned by CERNER 5) Nurse Unit: zOrganOx Metra Device UH 6) Med Service: Transplant 	Registration Team
3	Red Blood Cell order request for 3 units entered in CERNER.	Blood Product Requisition will print to Blood Bank at UH	Transplant Team
4	Blood Bank prepares three (3) units of O neg red blood cells via Emergency Dispense SOP	<ol style="list-style-type: none"> 1) Prepare three (3) O neg red blood cells on an Emergency Uncrossmatched Form following SOP 2) Notify Coordinator when blood products are ready 3) Dispense units in Cooler per SOP when needed <p>*No Type and Screen Sample will be received *</p>	Blood Bank Team
5	Reconcile units in computer after Dispense *Blood Type in Cerner will remain UNKNOWN* Units will need to be "Assigned" and Dispense "Back Dated" in CERNER per SOP	<p>The screenshot shows a Cerner medical record for patient 78512534. It includes demographic information (Age 75, 122 years, unknown gender, unknown ABO Rh), a table of antibodies, and a product list table with columns for Number, Type, ABO/Rh, Comment, Accession, Status, Reason, Date Time, and Crossmatch Expiry. The product list shows three units of O NEG blood products.</p>	Blood Bank Team



Indiana University Health

MASSIVE LIFELINE TRAUMA ONE
EMERGENCY (UNCROSSMATCHED) BLOOD
DELIVERY and TRANSFUSION RECORD

ana
d B

Dispensing Information (Completed by Blood Bank)

Date: 78512534
 Age: 015, Liver
 20FganOx Met/OrganOX07JUL23 1009

Requested By: BB

Patient Name:

Hospital #: 23-188-09929A DOB: 01/01/1901
 BB PRODUCT
 DO NOT COLLECT

Accession #: DT/IN: BY: BY:
 1.00ERC NO DRAM RH BLD BNK

Cooler #: Temp: Exp. Date/Time:

Return: Temp: Time: Date:

Patient Demographics:

ABO/RH: (M) (F)

Tech: Age

Dispensed: Red Blood Cells

Type Compatible O-Neg O-Pos

Irradiated CMV Neg Leukocyte Reduced

Order Information (Completed by Nursing / Physician)

Ordered By: M.D.

Received By:

Date: Time:

Medical Indications:

Blood Loss: Hypovolemia (Shock):

Blood Warmer I.D.#: Temp. 10 Min.

Time Crossmatch Completed:

Caller:

Results Received By:

ATTENTION ORDERING PHYSICIAN:

By my signature below, I acknowledge the fact that these units have not been crossmatched; that I have identified the patient; and that the risk of not transfusing is greater than the risk of uncrossmatched blood.

X M.D.

2050

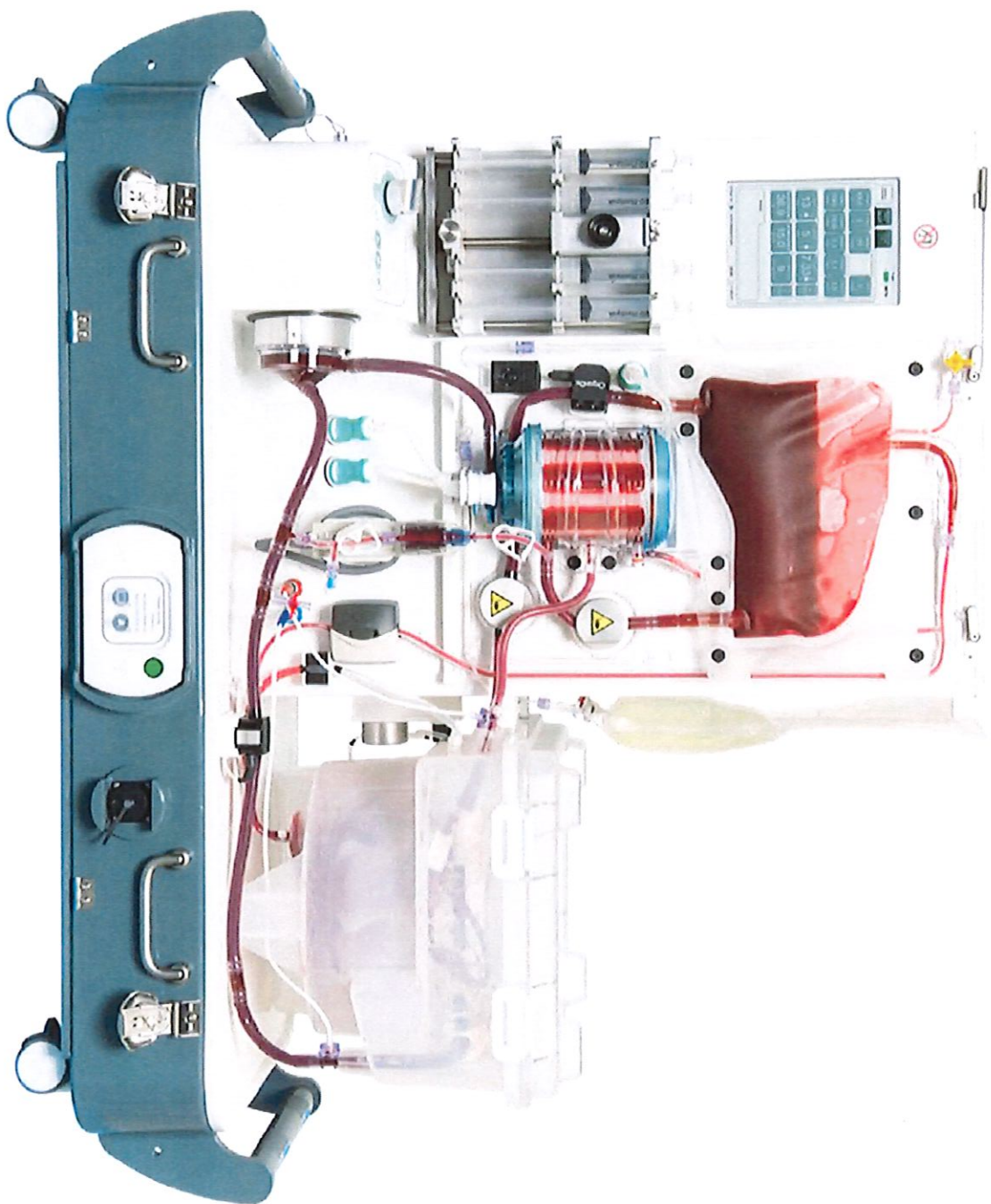
Donor #	Exp. Date	Product	Visual Insp.		Start Time	Signature of Transfusionist	Stop Time	Amt. Given	TRF Reaction Y / N
			Issue	Return					
W2016 23 740392	7-8-23	E0336	21		1320		1330	all	
W2050 23 566523	7-12-23		21		1330		1340	all	
W2018 23 572612	7-17-23		21		1330		1340	all	

Shaded areas to be filled in by Nursing / Physician. BBCP-19 Rev: 02/11

PLEASE RETURN ALL UNUSED BLOODS TO THE BLOOD BANK AS SOON AS POSSIBLE !!!



Liver transplantation with the OrganOX *metra*



INDICATION AND CONTRAINDICATIONS

The OrganOx[®] *metra*[®] is a transportable device intended to be used to sustain donor livers destined for transplantation in a functioning state for a total preservation time of up to 12 hours.

The OrganOx[®] *metra*[®] device is suitable for liver grafts from donors after brain death (DBD), or liver grafts from donors after circulatory death (DCD) ≤40 years old, with ≤20 mins of functional warm ischemic time (time from donor systolic blood pressure <50 mmHg), and macrosteatosis ≤15%, in a near-physiologic, normothermic and functioning state intended for a potential transplant recipient.

The OrganOx[®] *metra*[®] device should not be used for:

- Living donor livers
- Livers intended for split transplant
- Livers with moderate or severe traumatic injury

The OrganOx[®] metra[®]

The OrganOx[®] metra[®] (referred to as OrganOx metra) is an FDA approved **normothermic liver machine perfusion** (NMP) system:

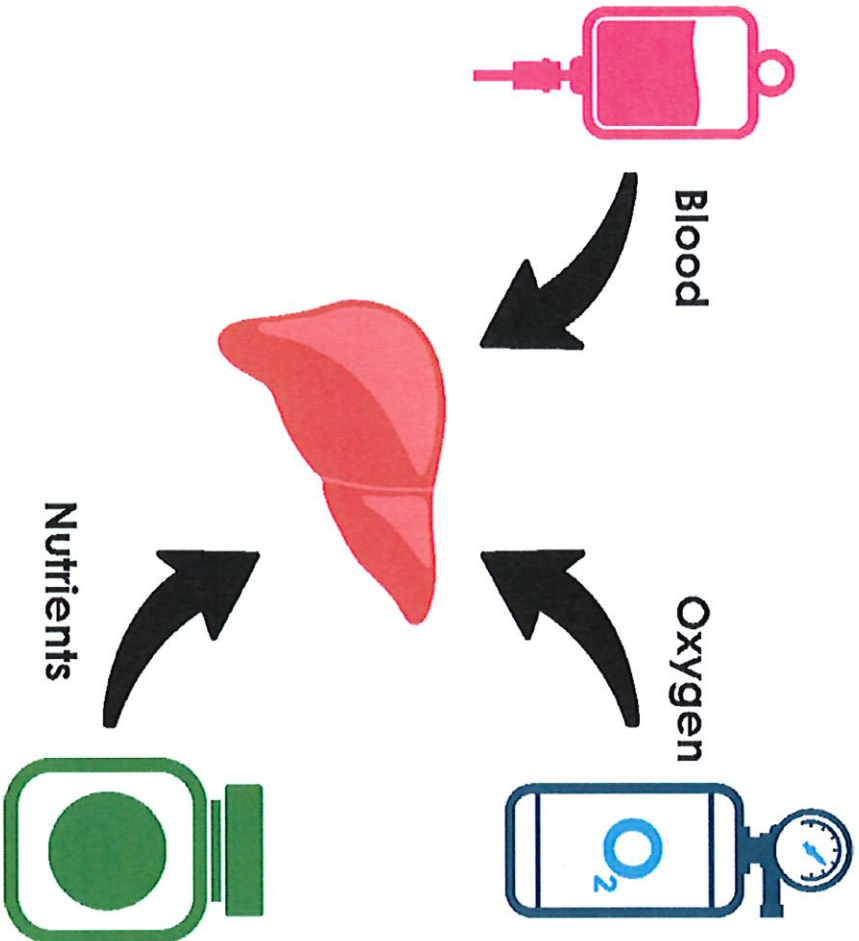
- **Normothermic** means at normal body temperature, around 99°F;
- **Machine** means a piece of equipment that performs a task, in this case the OrganOx metra;
- **Perfusion** means the passage of fluid through an organ

The OrganOx metra is a **piece of equipment that moves fluid through an organ** (in this case, the liver) at **normal body temperature**.

How does the OrganOx *metra* work?

The OrganOx *metra* is a method of preserving a liver once it has been removed from a donor.

Instead of being placed on ice in a cooler or organ transportation box, the liver is placed in the OrganOx *metra*, which keeps it warm similar to the human body. The OrganOx *metra* circulates warm blood through the liver and provides oxygen and nutrients to keep it healthy and functioning like in the human body.



Because the liver receives warm blood, oxygen, and nutrients, it is able to function inside the OrganOX *metra* like in the human body. Livers perfused on the OrganOX *metra* have been shown to suffer less injury than those livers that are stored in an ice box.