Course Agenda

This course is targeted to the Preservation and Perfusion professionals with less than one year of experience in the field. Topics covered in the course include basic skills needed to perform the role of an Organ Preservationist. Professionals who are preparing for the CTP certification examination (and therefore, have more than one year of experience) will receive a review of the topics covered on the examination as well as a review of the process of perfusing kidneys on a pump.

Wednesday, May 13th

7:30 – 8:00       BREAKFAST

8:00 – 8:15       Welcome: Discuss format of workshop

8:15 – 8:45       Roles and Responsibilities Overview

a. Managing the donor
b. Organ allocation for transplant and research
c. Donor recovery OR preparation
d. Visiting recovery teams
e. Mechanical preservation pumps
f. Delivery of organs to the recipient OR

8:45 – 9:05       Aseptic Technique Overview via slides

This session covers proper aseptic technique including gowning and gloving and back table set-up, how to create a sterile field, how to introduce sterile supplies onto the field and how to decant solutions.

a. Gowning/Gloving
b. Back table set-up
c. Contamination
d. Decanting solutions

9:05 – 10:00      Organ Recovery: Pre-operative Phase

Attendees will review the pre-recovery process (i.e. consent, research, and allocated organs). This session also includes preparing supplies to bring to the donor hospital, defining the hospital staff roles during the recovery process, verification of donor identification and documentation, donor positioning and prepping, and blood sample requirements.
a. Brain dead VS DCD donor cases
b. Case preparation by ground, by air
c. Arrival to donor OR
   1. Hospital staff
   2. Visiting teams
   3. Donor positioning
   4. Donor prep

10:00 – 10:15   BREAK

10:15- 11:10   Organ Recovery: Inter-operative Phase

Attendees will learn about preservation solutions, preparing flush lines, cannulation sites, venting, cross clamp, documenting critical information, recovery of biopsies, and recovery of lymph nodes, spleen and vessels.

a. Preservation Solutions & Flush lines
b. Cannulation Sites & Venting & Cross Clamp
c. Organ Recovery – Back table preparation
d. Specimen Collection – Lymph nodes, spleen and vessels
e. Surgical Damage
f. Kidney measurements
g. Documentation

11:10 – 11:40   Packaging, Labeling, Shipping

This session will provide an overview of labeling and organ packaging requirements, including verification procedures, label requirements, packaging materials and maintaining proper insulation and temperature as well as required documentation.

a. TransNet
b. Packaging of vessels, spleen and nodes
c. Shipping boxes, coolers & mechanical preservation devices
d. Demonstration

11:40 – 12:10   CTP Preparation and Review Questions

12:10– 1:00   LUNCH

1:00 – 3:00   2 hrs   Organ Anatomy

This session will review anatomy of the heart, lungs, liver, pancreas, kidney and intestines to identify structures and aberrant findings.
1. Heart
2. Lungs
3. Liver
4. Pancreas
5. Kidneys
6. Intestines
7. Abnormal anatomy

3:00 – 3:15 BREAK
3:15 – 4:15 MECHANICAL PRESERVATION
4:15 – 5:00 Normothermic vs. Hypothermic Perfusion

Thursday, May 14th

BREAKFAST

8:45 – 9:00 Break into groups
9:00 – 12:00 SKILLS STATIONS GROUP A

STATION 1
Kidney anatomy – normal & abnormal and how to take measurements

STATION 2
Kidney preparation for pump placement & cannulation

STATION 3
ORS & Waters kidney pumps / Placement of kidney on mechanical preservation pumps

SKILLS STATIONS GROUP B

STATION 1
Packaging, labeling, shipping with TransNet

STATION 2
Packaging, labeling, shipping with TransNet
12:00 – 1:00 PM  LUNCH

1:00 – 4:00 PM  SKILLS STATIONS GROUP B

STATION 1
Kidney anatomy – normal & abnormal and how to take measurements

STATION 2
Kidney preparation for pump placement & cannulation

STATION 3
ORS & Waters kidney pumps / Placement of kidney on mechanical preservation pumps

SKILLS STATIONS GROUP A

STATION 1
Packaging, labeling, shipping with TransNeT

STATION 2
Packaging, labeling, shipping with TransNeT

STATION 3
Sterile technique, gowning, gloving, back table set up, decanting

STATION 4
Sterile technique, gowning, gloving, back table set up, decanting

We would like to thank our sponsors for making this workshop possible:

Organ Recovery systems  WATERS MEDICAL SYSTEMS