

Machine Preservation Trial

MP vs. CS in Kidney Transplantation in collaboration with Eurotransplant



Scientific Steering Committee

Principal Investigators

 Rutger J. Ploeg (Coord.)

 Jacques Pirenne

 Andreas Paul

Members

Cyril Moers (Secretary)

Hugo Maathuis (RPC Liaison)

Jaap Homan v/d Heide

Ernst van Heurn

Frank van Gelder

Jean-Paul Squifflet

Jürgen Treckmann

Massimo Malago

Central Trial Assistance

Eurotransplant

Bernard Cohen

Jacqueline Smits

Margitta van Kasterop-Kutz

Deutsche Stiftung

Organtransplantation

Günter Kirste

Heiner Smit

Regional Perfusion Centers

Groningen, The Netherlands

Henri Leuvenink

Leuven, Belgium

Frank van Gelder

Essen, Germany

Bogdan Napieralski

Sponsor

Organ Recovery Systems

Protocol Amendment # 002

Proposed by: ORS **Date:** 11-03-2005

Title: *Perfusate sampling during MP*

Background and Aim

Collect perfusate samples for chemistry analysis during MP to determine if there is correlation with kidney function and patient outcomes.

Method

During MP, samples of perfusate will be taken at 1 hour MP and End Point MP. Chemistry analysis will consist of pH, osmolality, K, Na, iCa, Mg, glucose and lactate.

| | | |
|---------------------|--|--|
| MP time: | 1 Hour | End Point |
| Sample size: | 10cc | 50cc |
| Test Items: | pH Osmolality K Na iCa Cl Mg Glucose Lactate | pH Osmolality K Na iCa Cl Mg Glucose Lactate |

Procedure:

- ◆ *Using a male lure head syringe, withdraw sample from LifePort cassette "Sample Port"*
- ◆ *Centrifuge samples for 10 minutes each prior to freezing*
- ◆ *Store containers in ultra low freezer*
- ◆ *Bulk ship specimens on dry ice to RPC Leuven*