The Unmet Clinical Need

- In Europe and the USA, there are some 30,000 patients on liver transplant waiting lists, yet only 12,000 transplants are performed each year.
- At least a third of potential donor organs are discarded due to limitations of cold preservation.
- Organs from non-heart-beating donors sustain warm hypoxic damage before retrieval and many are discarded.
- Organ viability cannot be objectively assessed during preservation: most organs perceived as marginal during retrieval are thus discarded.

The OrganOx METRA: Unique Product Features

- Fully automated organ perfusion in theatre and in transit, using oxygenated whole blood at 37°C.
- Patented autoregulation technology enables the organ to ‘choose’ its own blood supply.
- Automated monitoring of haemodynamic, metabolic and synthetic organ function enables quantitative assessment of organ viability during perfusion.

Pre-clinical Data using the OrganOx METRA

- Experimental studies on porcine organs have demonstrated successful preservation for up to 72 hours and successful transplantation of non-heart-beating donor organs after 40 minutes of hypoxia.
- 13 severely damaged discarded human livers have now been successfully perfused using the METRA, demonstrating clinical applicability of the technology.

Towards Clinical Uptake

- Clinical transplantation studies of organs preserved with the OrganOx METRA scheduled during 2012.
- CE marking and first sales in key centres expected in 2013.