

National Histopathology - the Consortium NHS-BT John Forsythe, Rutger Ploeg, Claire Williment NHS-BT Trials Unit Dave Collett, Alison Deary Clinical Lead for Organ Utilisation Chris Callaghan NHS **NHS England** England Histopathology - Desley Neil, Cambridge, Leeds, London CHSR **Health Economist** Ed Wilson Implementation Design Dr Karla Hemming Lay person representation Surgeons Roberto Cacciola, Gavin Pettigrew, Dom Summers Transplant Nephrologists Nick Torpey

Cambridge Histopathology Service

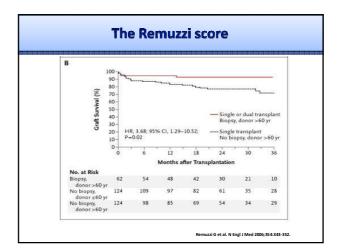
- 24 hour availability of consultant renal pathologists (only centre)
- Routine pre-implantation biopsy on kidneys from donors >65
- Biopsy process takes 4-5 hours
- Graded according to the Remuzzi system

Histopathology assessment of chronic injury

- Age associated histological features of injury
- Correlation with outcome
- Grade or score the severity of baseline injury

Long-Term Outcome of Renal Transplantation from Older Donors

Giuseppe Remuzzi, M.D., Paolo Cravedi, M.D., Annalisa Perna, Stat. Sci. D.
Borislay D. Dimitrov, M.D., M.Sc., Marta Turturro, Biol. Sci. D.,
Giuseppe Locatelli, M.D., Paolo Rigotti, M.D., Nicola Baldan, M.D.,
Marco Beatini, M.D., Umberto Valente, M.D., Mario Scalamogna, M.D.,
and Piero Ruggenenti, M.D., for the Dual Kidney Transplant Group[®]



However?

- Increase in cold ischaemic times?
- Complications of biopsy?
- Does it perhaps lead to excess kidney discard?
- Remains controversial in the US

The Devil is in the Detail

How to accurately assess the impact of a national histopathology service?

- Just how many extra kidney transplants are performed?
- What is their outcome?
- Pre-Implantion Trial of
 Histopathology In renal Allografts
 the Pithia trial



The Oracle at Delphi

- The Pythia
- Priestess of the temple of Apollo
- 8th Century BC around 390 AD
- King Croesus of Lydia 5th Century BC



 'If Croesus goes to war, he will destroy a great empire'



http://www.pithia.org.uk/

The PITHIA trial

- Pre-Implantation Trial of Histopathology In renal transplant Allografts – PITHIA
- Trial will demonstrate the value of pre-implantation histopathology in increasing number and quality of transplants
- Modest increase in acceptance rates of 10% equates to additional 150 transplants a year
- Stepped-wedge cluster design is novel valuable tool to assess service implementation
- The first randomised registry trial in transplantation relatively low cost trial design

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