

ATBF Heart Valve Workshop –2004  
April 29<sup>th</sup> – 4:00-6:00pm  
AGENDA

1. ATBF Heart Valve Database – Update - Kurt
  
2. Trends in heart valve donation rates and implantation rates in Australia and New Zealand – Table 1
  
3. Presentation and discussion of the 2003 Barcelona Heart Valve Meeting and the article on “Post-Mortem Changes in Pulmonary Allograft Diameters Post Antibiotic Decontamination”. - Helmi
  
4. Medium 199 Supply – JRH  
- Bank media requirements for next 1-2 years
  
5. Round table discussion of heart valve processing procedures (discussion outline circulated with agenda)  
areas of specific interest:
  - valve labelling turn around time for sample results and valve clearance
  - transport between Banks
  - billing procedures
  - feedback on implanted valves

QUESTIONS FOR ROUND TABLE DISCUSSION AT HEART VALVE BANK WORKSHOP:

1. Donor Selection:
  - a. How are you informed of potential donors??
  - b. Access to both registered and non-registered donors (Y/N)?
  - c. Proportion of registered & non-registered donors whose families agree to donation?
  - d. Proportion of potential donors who meet selection criteria.
  - e. Primary reasons why potential donors fail to meet selection criteria (eg. age, medical history, time/condition)
  - f. Forms used (examples)
  
2. Heart and Valve Collection Procedure:
  - a. Processing location (eg. mortuary, theatre, biological safety cabinet, clean room)
  - b. Personnel responsible for heart and valve collection (eg. coroner staff, theatre technicians, surgical registrars, Bank staff)
  - c. Transport procedure, if applicable
  - d. Medium used for heart transport and rinse solution (& ~ volumes)
  - e. Samples collected for microbiology testing (QA and others)
  - f. Timeframe and conditions allowed from heart collection to valve collection to initiation of cryopreservation.
  - g. Forms used (examples)
  
3. Cryopreservation Procedure:
  - a. Processing location (eg. clean room, biological safety cabinet etc..)
  - b. Antibiotics used, concentration & volume
  - c. Incubation step
  - d. Post-incubation rinse step (Y/N)
  - e. Concentration and volume of freezing solution used.
  - f. Inclusion of mitral valve or muscle for testing at time of implant (Y/N)
  - g. Cryopreservation program used
  - h. Valve container labelling procedure & information included
  - i. Samples collected for QA and TGA testing & turn around time for results
  - j. Valve clearance requirements
  - k. Proportion of valves clearance for implantation
  - l. Primary reasons for clearance failure (eg. technical, serology, microbiology)
  - m. Forms used (examples)
  
4. Storage Procedure:
  - a. Quarantine vs cleared valve storage
  - b. Temperature monitoring & liquid nitrogen filling requirements
  - c. Storage duration of cleared valves (minimum/maximum)
  - d. Disposal of cleared valves (Y/N) & primary reasons for disposal (forms used)

5. Transport Procedure:
  - a. Personnel involved (eg. Bank staff, couriers)
  - b. Arrangements with airlines, if applicable
  - c. Transport between Banks (Y/N)
  - d. Forms used (examples)
  
6. Implantation Procedure:
  - a. Frequency of valve implantation (eg. daily, weekly, monthly etc.)
  - b. Role of Bank staff in valve delivery & preparation for implantation
  - c. Thawing procedure
  - d. Samples taken & turn around time of results
  - e. Feedback on recipients & procedural outcomes (including turn around time)
  - f. Forms uses (examples)
  
7. Billing procedures:
  
8. Information provided to donor/recipient families upon request:
  - a. date valve implanted
  - b. age, gender of recipient
  - c. location of recipient (State/city)?
  - d. outcome of procedure?
  
9. Policy on Research:
  - a. Is option for research requested at the time of donation?
  - b. Is a specific project required to be identified?
  - c. What research, if any, is currently being conducted?