



EBAA EXAM CONTENT OUTLINE

I. ANATOMY AND PHYSIOLOGY (12%)

- A. Ocular
 - i. General Characteristics
 - 1. Anatomy of the eye
 - 2. Function
 - 3. Conditions of the eye
 - ii. Refractive Power of the Eye
 - 1. Refractive Properties
 - 2. Refractive Errors
 - iii. Accommodation
 - iv. Other
- B. Cornea
 - i. General Characteristics
 - ii. Corneal Layers:
 - 1. Epithelium
 - 2. Bowman's Membrane
 - 3. Stroma
 - 4. Descemet Membrane
 - 5. Endothelium
 - iii. Metabolic Functions
 - iv. State of Hydration
 - v. Factors Affecting Transparency
 - 1. Rejection
 - 2. Edema
 - 3. Other

II. QUALITY ASSURANCE AND CONTROL (24%)

- A. Professional Standards
 - i. Accreditation
 - ii. Certification
 - iii. Personnel
 - iv. Reporting Requirements
- B. Legislation and Regulatory Requirements
 - i. FDA Registration
 - ii. FDA Donor Eligibility Rule
 - iii. FDA Good Current Tissue Practices
 - iv. FDA Guidance for Industry
 - v. CMS Conditions of Participation (CoP)
- C. Facilities
 - i. Instrument Inspection, Cleaning, and Handling
 - ii. Refrigeration and Temperature Recording
 - iii. Sterilization Methods
 - iv. Other
- D. Infection Control and Personnel Safety
 - i. Aseptic Technique
 - ii. Standard Precautions
 - iii. Communicable Diseases
 - iv. Environmental monitoring
- E. Quality Assurance
 - i. Auditing
 - ii. Microbiology
 - 1. Organisms
 - 2. Cultures
 - a. Requirements
 - b. Reporting
 - c. Environmental control
 - iii. Record Keeping and Documentation
 - iv. Adverse Reaction Reports
 - v. Recalls and Withdrawals
 - vi. Other
- F. Other

III. DONOR-RELATED ISSUES (20%)

- A. Authorization
 - i. Required Request Law (42 U.S.C.A. § 1320b–8)
 - ii. Uniform Anatomical Gift Act
 - iii. Authorization Procedures and Documentation
- B. Donor History, Screening, and Evaluation
 - i. Donor Risk Assessment Interview (DRAI)
 - ii. Serology Testing
 - 1. Blood sample qualification
 - 2. EBAA Required Tests
 - 3. FDA Required Tests
 - iii. Determination of Donor Eligibility for Transplant
 - 1. EBAA Contraindications
 - 2. FDA Contraindications
 - 3. Known Transmissible Diseases
 - a. Rabies
 - b. Infection
 - c. Hepatitis B
 - d. Melanoma
 - e. Transmissible Spongiform Encephalopathies
 - f. Other

IV. TECHNICAL PROCEDURES (24%)

- A. Preparatory Procedures
 - i. Donor
 - 1. Blood Drawing Procedures
 - 2. Physical Inspection
 - 3. Ocular Area Prep
 - 4. Sterile Field Setup
 - ii. Open-container processing
 - 1. Laminar flow hood vs. 'clean' room
 - 2. Sterile Field Setup
- B. Whole Eye Enucleations
 - i. Equipment, Supplies, and Reagents
 - ii. Procedure
- C. Corneal Excisions
 - i. Equipment, Supplies, and Reagents
 - 1. Flow hood excision
 - 2. In-situ excision
 - ii. Procedure
 - 1. Flow hood excision
 - 2. In-situ
- D. Scleral Preservation
 - i. Equipment, Supplies, and Reagents
 - ii. Procedure
- E. Tissue Processing
 - i. Equipment, Supplies, and Reagents
 - ii. Procedure

V. TISSUE-RELATED PROCEDURES (20%)

- A. Tissue Evaluation and Determination of Suitability
 - i. Slit Lamp Biomicroscopy
 - 1. Procedure
 - 2. Surgical Suitability
 - ii. Specular Microscopy
 - 1. Procedure
 - 2. Suitability
 - iii. Other
- B. Surgical Procedures
 - i. Penetrating Keratoplasty
 - ii. Lamellar Keratoplasty
 - 1. Anterior
 - 2. Posterior
 - iii. Patch Graft
 - iv. Refractive Keratoplasty
 - v. Trabeculectomy
 - vi. Sclera Use
 - vii. Keratolimbal Allograft
 - viii. Other
- C. Storage and Distribution of Tissue
 - i. Storage
 - ii. Labeling
 - 1. ISBT 128
 - iii. Packaging
 - iv. Accompanying Documentation Requirements
 - v. Distribution of Tissue
 - vi. Other
- D. Use of Tissue in Research and Education