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Supersedes: September 28, 2007
Related Documents:

BRAIN RESECTION – NON-TUMOR

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- I. Purpose**
To provide a procedure for the dissection of a resected portion of brain for a non-tumor condition, including for epilepsy/seizure.
- II. Principle**
To take histologic sections to demonstrate the pathologic process so that a diagnosis can be made microscopically by a Pathologist.
- III. Equipment**
 1. Ruler
 2. Forceps
 3. Scalpel
- IV. Special Safety Precautions**
 1. PPE should be worn.
 2. **FORMALIN** is a known carcinogen.
- V. Supplies and Reagents**
 1. **10% NEUTRAL BUFFERED FORMALIN** (pH range 6.9-7.2)
- VI. Quality Control**
All remaining tissue should be retained.
- VII. Limitations/Notes**
The following may influence the validity of test results:
 1. The specimen should be fixed in formalin.
 2. For optimal results, the specimen should be fixed overnight.

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VIII. Procedure

1. Measure the specimen as a whole or an aggregate (3 dimensions- cm.)
2. Describe the color and consistency of the tissue.
3. If the specimen (usually hippocampus) is received for seizure/epilepsy, great care should be taken to section in the correct plane. The neuropathologist should be called on these cases for orientation.
4. Serially section the larger portions of tissue and describe the cut surfaces.
5. If the specimen can be submitted in 5 cassettes or less, submit it entirely. Split the tissue into at least 2 cassettes.
6. If the specimen is larger, submit 5 representative sections. Include all components of the aggregate.
7. Load the cassettes on the appropriate large tissue processor to allow for adequate fixation.

IX. References

1. Hruban RH, Westra, WH, Phelps, PH, & Isacson, C: Surgical Pathology Dissection An Illustrated Guide, New York, NY, Springer-Verlag Inc., 1996.
2. Lester, SC: Manual of Surgical Pathology, New York, NY, Churchill Livingstone, 2001.

X. Authorized Reviewers

1. Medical Director, Anatomic Pathology
2. Chief, Surgical Pathology

XI. Document Control

Location of Master: Master electronic file stored on the Beaumont Laboratory server under S:\AP_Grossing_Manual

Number of Controlled Copies posted for educational purposes: 0

Number of circulating Controlled Copies: 1

Location of circulating Controlled Copies: Master Grossing Manual located in Surgical Pathology

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