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## SINUS CONTENTS

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- I. Purpose**  
To provide a procedure for the gross examination of sinus contents for a pathologic process.
- II. Principle**  
To submit representative or all identifiable portions of soft tissue to demonstrate the pathologic process so that a diagnosis can be made microscopically by a Pathologist. Any identifiable bone fragments will be examined grossly.
- III. Equipment**
1. Ruler
  2. Forceps
  3. Scalpel
  4. Biopsy bag
  5. Tissue paper
- IV. Safety**
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.

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### VIII. Procedure

1. Measure the specimen in aggregate (3 dimensions- cm).
2. Describe the components of the aggregate (ex: mucosal tissue, bone, and mucous).
3. If grossly normal bone is present, such as nasal septum, do not submit bone for histology. Remove the bone fragments from the aggregate and return to the specimen jar for storage. If bone fragments are grossly abnormal, such as friable bone or bone involved by an infiltrative process, submit bone for histology.
4. If specimen is submitted for chronic sinusitis or deviated nasal septum, submit representative soft tissue, cartilage, and mucoid material in 1 cassette.
5. For cases with an accompanying brain mass (most commonly sella), submit only 5 cassettes, predominately of soft tissue, and include any cartilage and mucoid material in one of the cassettes.
6. For all other sinus contents specimens, submit all soft tissue, cartilage, and mucoid material. Biopsy bags or tissue paper can be used.
7. If the amount of tissue/number of blocks is high in the judgement of the grosser, contact the assigned pathologist to determine the degree of sampling.

### IX. References

Hruban RH, Westra, WH, Phelps, PH, & Isacson, C: Surgical Pathology Dissection An Illustrated Guide, New York, NY, Springer-Verlag Inc., 1996.

Lester, SC: Manual of Surgical Pathology, New York, NY, Churchill Livingstone, 2001.

### X. Authorized Reviewers

- A. Medical Director, Anatomic Pathology
- B. Chief, Surgical Pathology

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### Document Control

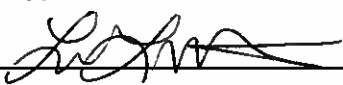
**Location of Master:** Master electronic file stored on the Beaumont Laboratory server under S:\AP\_Grossing\_Manual

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### Document History

Signature	Date	Revision #		Related Documents Reviewed/ Updated
Prepared by: <i>Anne Tranchida PA(ASCP)</i>	9/13/2007	r00		
Approved by: <i>Ali-Reza Armin, MD</i>	10/16/2007	r00		
Reviewed by: (Signature)	Date	Revision #	Modification	Related Documents Reviewed/ Updated
<i>Ali-Reza Armin, MD</i>	10/10/2008	r00		
<i>Anne R. Tranchida, PA(ASCP)</i>	10/20/2009	r00		
<i>Ali-Reza Armin, MD</i>	10/20/2011	r00		
<i>Ali-Reza Armin, MD</i>	10/04/2013	r00		
<i>Mitual B. Amin, MD</i>	02/18/2015	r00		
<i>Zhenhong H. Qu, MD</i>	03/25/2015	r00		
<i>Kurt Bernacki, MD</i>	10/27/2017	r00		
Revised by: Revised by: <i>Heather Genson, HTL(ASCP)<sup>CM</sup>PA<sup>CM</sup></i>	3/15/2018	r01	Expanded on submission of tissue	
Approved by: <i>Kurt Bernacki, MD</i>	3/15/2018	r01		
<i>Kurt Bernacki, MD</i>	10/21/2019	r01		
<i>Kurt Bernacki, MD</i>	10/20/2021	r01		
<i>Jawwad Arshad, MD</i>	3/20/2023	r01		
Revised by: Revised by: <i>Heather Genson, HTL(ASCP)<sup>CM</sup>PA<sup>CM</sup></i> <i>Heather Genson</i>	9/18/2024	r02	Added a line to only submit 5 blocks if accompanied by brain mass	
Approved by: 	9/18/24	r02		

