



**Michigan Medicine**  
**Pathology and Clinical Laboratories**  
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**GI and Liver Pathology**  
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**GASTROINTESTINAL PATHOLOGY CONSULTATION REPORT**

<b>Order Number:</b>	<b>OC-20-XXXXX</b>	<b>Referred by:</b>	
<b>First Name:</b>		SMITH, JOHN	
<b>Last Name:</b>		EAST HOSPITAL	
<b>MRN:</b>		123 MAIN STREET	
<b>Gender:</b>	<b>Age:</b>	<b>DOB:</b>	ANN ARBOR,MI
<b>Date Received:</b>	02/01/2020		48109
<b>Date Completed:</b>	02/02/2020		

**DIAGNOSIS:**

Perianal soft tissues, biopsy (SR20:DT:1786; 1/26/20): Diffuse large B cell lymphoma, germinal center type.

This biopsy is from a perianal mass in an XX-year-old person. As you noted, the tissue contains an infiltrate of variably-sized, but predominantly large lymphoid cells that are discohesive, and which have pale cytoplasm. They have vesicular nuclei with one or more relatively inconspicuous nucleoli. These infiltrate among fibromuscular tissue, and the process has a vaguely nodular appearance, in places. I performed a number of immunohistochemical stains, and the cells in question are strongly positive for CD20. They are negative for bcl-2, CD10, CD43, CD5, cyclin-D1, and MUM-1. Bcl-6 is positive in more than 30% of the cells. CD3 highlights background T cells. A Ki-67 immunostain has positivity in about 50% of the cells. I think that the findings are diagnostic of diffuse large B cell lymphoma which, in this case, is of the germinal center type based on the Hans algorithm. The nodular appearance in places made me wonder about the possibility of a low-grade component, but I'm not absolutely sure. I shared this case with my colleague from hematopathology, Dr. Lauren Smith, and she agrees with this assessment.

Thank you for sending this case in consultation. I hope these comments have been helpful.

Scott Owens, M.D.

**Materials Received:**

<b>A</b>	<b>Outside Case Number:</b>	<b>SR20:DTXXXX</b>
	Materials Received:	1 prepared slide

**First Name:**  
**Last Name:**  
**Order Number:**

**Clinic:**

1 block A1

**CPT Codes:**

Specimen	CPT Code	Number of Charges
A	88321	1
A	88341	9
A	88342	1

**Laboratory Accrediting Agency Compliance Statement:**

If immunostain testing was performed on this case, the testing was developed and the performance characteristics were determined by the University of Michigan Clinical Immunoperoxidase Laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. (The FDA has determined that such clearance is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 ["CLIA"] as qualified to perform high complexity testing). Appropriate negative and positive controls were run. The Coreo ACIS instrument (if used for any test on this case) is FDA approved.

**Performing site:**

NCRC Michigan Medicine Pathology and Clinical Laboratories  
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Ann Arbor, MI 48109

CLIA Director: RICCARDO VALDEZ, M.D.

CLIA Number: 23D1088637

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**First Name:**

**Last Name:**

**Order Number:**

**Clinic:** DHOS