

**Student or Student Group Authorization**  
**for the Bryan College of Health Sciences Digital Archives:**  
**the College's open access digital repository**  
[www.archives.bryanhealthcollege.edu](http://www.archives.bryanhealthcollege.edu)

This non-exclusive distribution license gives authorization for the permanent addition of selected student work to the Bryan College of Health Sciences Digital Archives. Works recommended by the course faculty or faculty advisor will be accepted and made available within the Bryan College Scholarly Works Archives, the College's open access digital repository.

To facilitate collection of individual permissions, the Authorization may be requested of each student in the course prior to the presentation of the research project. Faculty will determine the projects to be submitted to the Archives, based on criteria within the grading rubric for the project. Students will be notified of their research project's inclusion in the Archives.

*I agree to deposit my research project into the permanent collection of the Bryan College of Health Sciences (BCHS) Digital Archives. I agree that BCHS has the non-exclusive right to make this work available for open access via the Bryan College Scholarly Works Archives. I acknowledge that the submitted work is my original creation, that it follows all conventions of academic rigor, including proper citations, and permissions from third party content providers and copyright holders. This agreement is valid unless I terminate it via signed communication with the repository administrator.*

**Student Information (if the research was a group project, each student must provide name, email and signature)**

Student author name: Malerie Hixson  
Student e-mail address: Malerie.Hixson@bryanhealthcollege.edu  
Student signature: Malerie Hixson Date: 11/22/19

Student author name: \_\_\_\_\_  
Student e-mail address: \_\_\_\_\_  
Student signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student author name: \_\_\_\_\_  
Student e-mail address: \_\_\_\_\_  
Student signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student author name: \_\_\_\_\_  
Student e-mail address: \_\_\_\_\_  
Student signature: \_\_\_\_\_ Date: \_\_\_\_\_

(continued on the following page)

Upon determining the eligibility for deposit of a student research project into the Bryan College of Health Sciences Digital Archives, the following information must be completed.

**Program and course for which the research project was completed:**

Program: Diagnostic Medical Sonography

Course number: DMS0433

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**Faculty Advisor Information**

Faculty advisor name: \_\_\_\_\_

Faculty title and institutional affiliation: \_\_\_\_\_

Faculty advisor e-mail: \_\_\_\_\_

*I recommend the deposit of this student work into the permanent collection of the Bryan College of Health Sciences (BCHS) Digital Archives.*

Faculty signature: \_\_\_\_\_

*Julie K. M... [Signature]*

Date: 12-3-2019

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Title of student's (or group) work/research project:

Invasive Papillary Breast carcinoma: a case study

Subject/keywords describing the work: breast, papillary carcinoma, breast  
ultrasonography, breast mammography

Presentation location (including a conference name, if applicable) and date: \_\_\_\_\_

**Descriptive abstract/summary of the scholarly work (beneficial but optional):**

Papillary breast carcinoma constitutes approximately 0.5% of invasive breast cancers. (Pal et al, 2010). Patients are usually postmenopausal females, especially the age range of 40-75, who present with bloody nipple discharge, a palpable mass, or abnormalities on medical imaging such as mammography or ultrasonography. Histology reports show that distinguishing papillary carcinoma from other breast cancers can be determined by a proliferation of malignant papillary cells which do not contain an intact layer of myoepithelial cells within the papillae. Patients have a good prognosis, with a ten year survival rate of 86%. (Schneider, 1989)

Both the student(s) and faculty research advisor for the student work must complete and sign this form before the student's research documents or files are deposited in the Bryan Archives collections. If multiple students were involved in the research project, each student must sign the Student Authorization Form. The signed authorization form will be kept on file in the Library but will not be displayed with the work.

→ There are several options for treatments including mastectomy, lumpectomy, or chemotherapy treatment.