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Introduction

- What is cancer?

Cancer can be defined as a disease where a series of abnormal cells grow uncontrollably by neglecting the conventional rules of cell division.

Introduction



- Brain Tumor Glioma depends on its location and rate of growth
- 24.7 % primary tumors 74.6 % Malignant Tumors
- MRI
- Lung Cancer one of the main causes of death
- Small Cell Lung Langer (SCLC) comprise about 20% of lung
- Non Small Cell Lung Langer (NSCLC) with 80%
- CT
- Breast cancer second leading cause of cancer death among women
- Mammogram

Market Motivation



WAFI
Woman And Fetal Imaging
Premier Women's Imaging Center

Dear MIU Students,
We accept your request and We Are Going to help you with desired mammography data
in order to maintain and reach a level of more accuracy in the field of breast density
calculations.

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Problem Statement

- Reducing the late and false cancer classification and segmentation percentage obtained through manual process and providing radiologists with alternative reference



SYSTEM OVERVIEW



Technologies



Achievements

- ***IEEE* BLB (Brain/Lung cancer detection and segmentation and Breast Dense calculation)**
Journal Title : **2018 First International Workshop on Deep and Representation Learning (IWDRL)**
Publication Year : **2018**
Publication Month : **03**
Authors : **Bassma El-Sherbiny, Nardeen Nabil, SeifYasser Youssef Emad Ashraf Abdelraouf, Taraggy Mohiy and Nada Ayman**
- **El Sevier Journal**
 - **Waiting for submission**



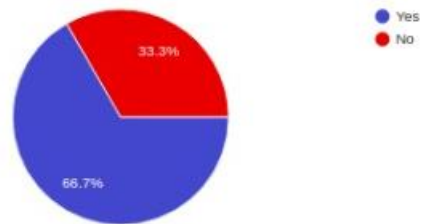
Video – Users Evaluation



Survey – User Evaluation

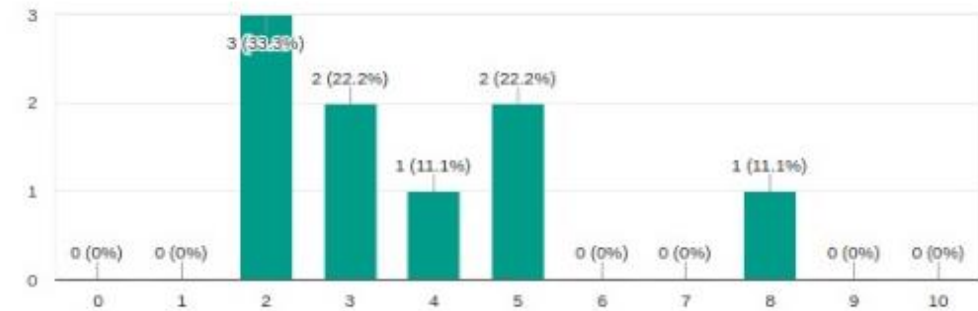
Do you think there are conflicts between doctor's diagnoses related to image screening?

9 responses



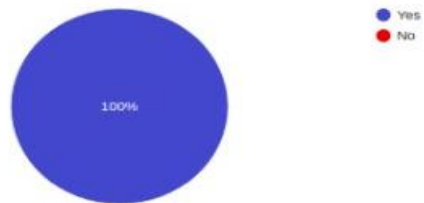
What is the accepted error percentage for the system?

9 responses



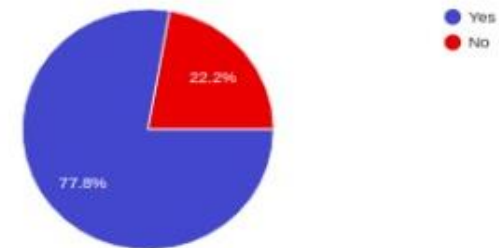
Is this system friendly? Do you think it is easy to use?

9 responses

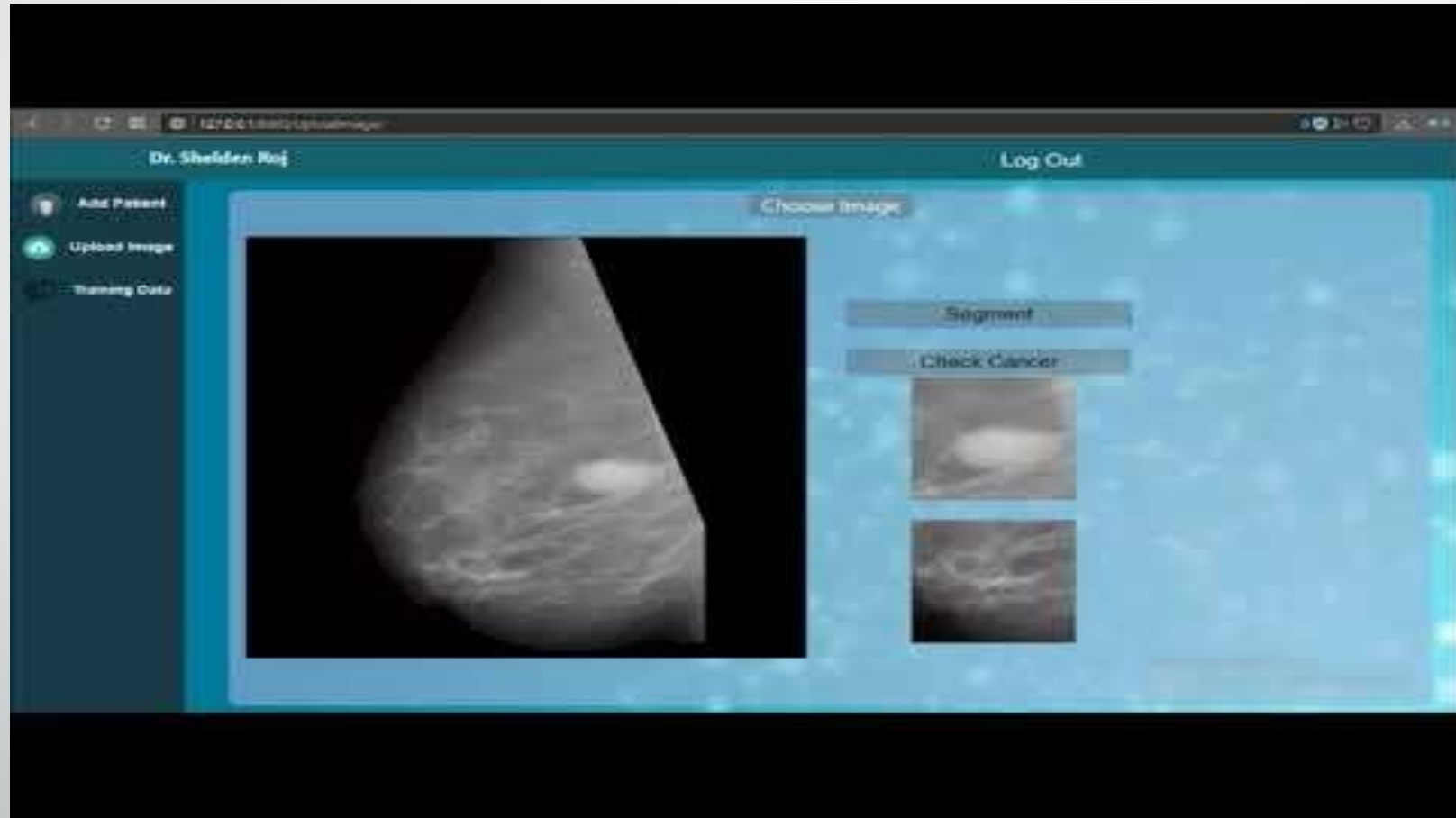


Do you think this system is useful?

9 responses



DEMO





Any Questions ?



Thank You