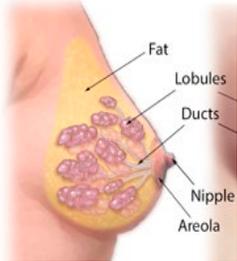


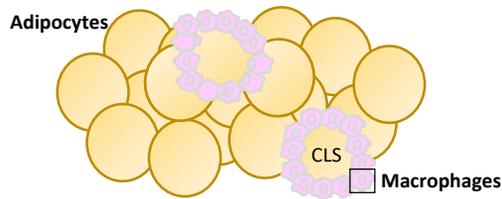
Detection of Crown-like Structures in Breast Adipose Tissue (CLS-B) among Black and White Women with Breast Cancer



Study population: 174 Black and 168 White women diagnosed with invasive breast cancer (stage I-III) between 2007 and 2012 at Emory University



Looked at presence of CLS-B in breast fat from mastectomy



↑ inflammation ↑ estrogen

CLS-B = inflammation in the breast that looks like a crown around a fat cell

Study questions

- Are Black women with breast cancer more likely to have CLS-B than White women?
- Are some groups of women more likely to have CLS-B than others?
- Does having CLS-B predict whether women will have a recurrence or die of breast cancer?

Our study showed...



Black



White



4.7x



1.8x



Too much uncertainty to answer this question.

Future work will look into this more!

Breast cancer patients with a high BMI are more likely to have inflammation in the breast. Questions remain about what this means for patients and what to do about it.