# Worksheet #2: Diagnostic Accuracy

Consider the following table based on Pisano et. al1 showing results for screening with digital mammography.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **D+** | **D-** | **Total** |
| **T+** | 185 | 3313 | 3498 |
| **T-** | 150 | 39,112 | 39262 |
| **Total** | 335 | 42425 |  |

Calculate the sensitivity of digital mammography.

Calculate the specificity of digital mammography.

Consider the following ROC curves. Which imaging modality would you use?



References

1. Pisano ED, Gatsonis C, Hendrick E, et al. Diagnostic performance of digital versus film mammography for breast-cancer screening. *N. Engl. J. Med.* 2005;353(17):1773–1783.