

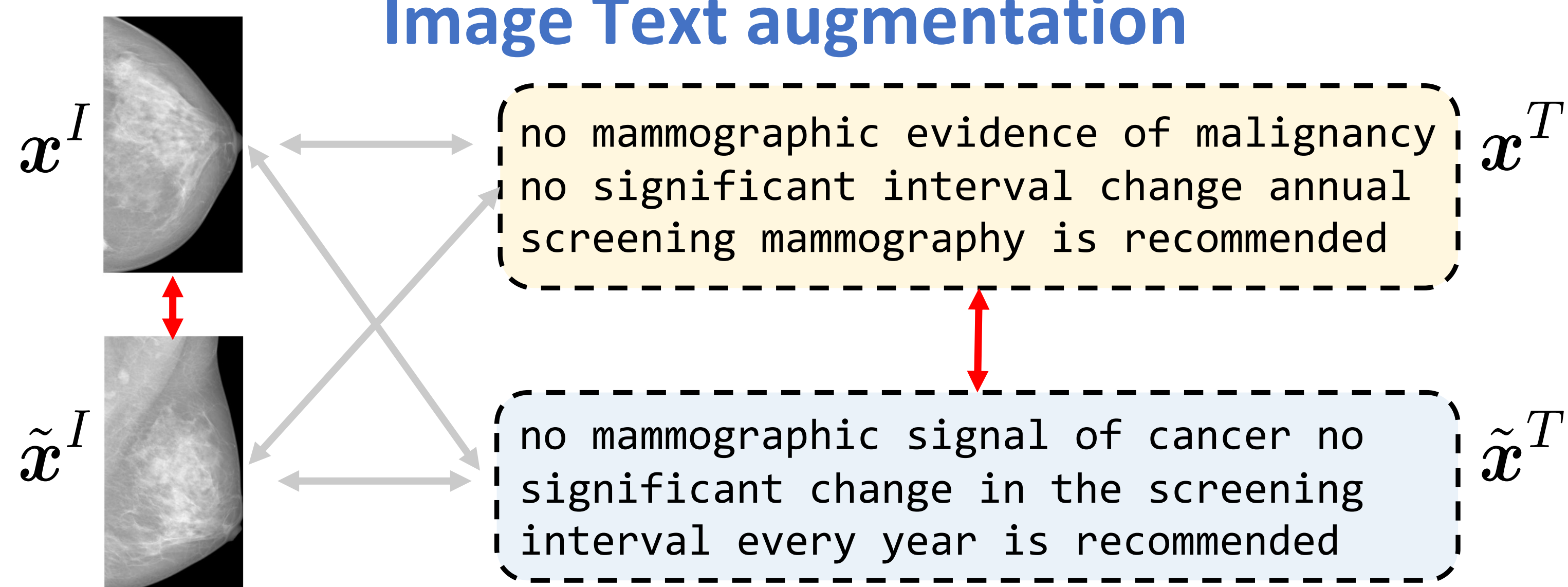


**TLDR:** A vision language model trained on both mammogram-report pairs and mammogram-attribute datasets, enhancing data efficiency, robustness, and interpretability

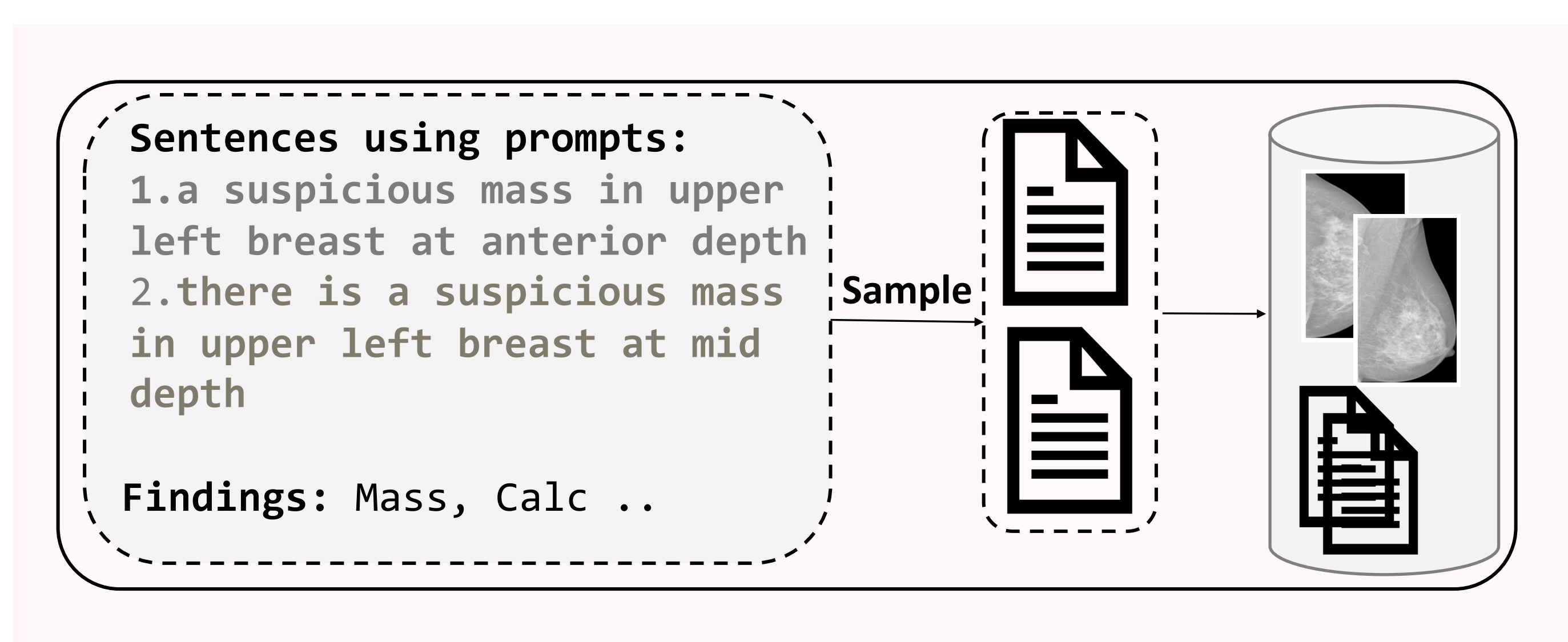
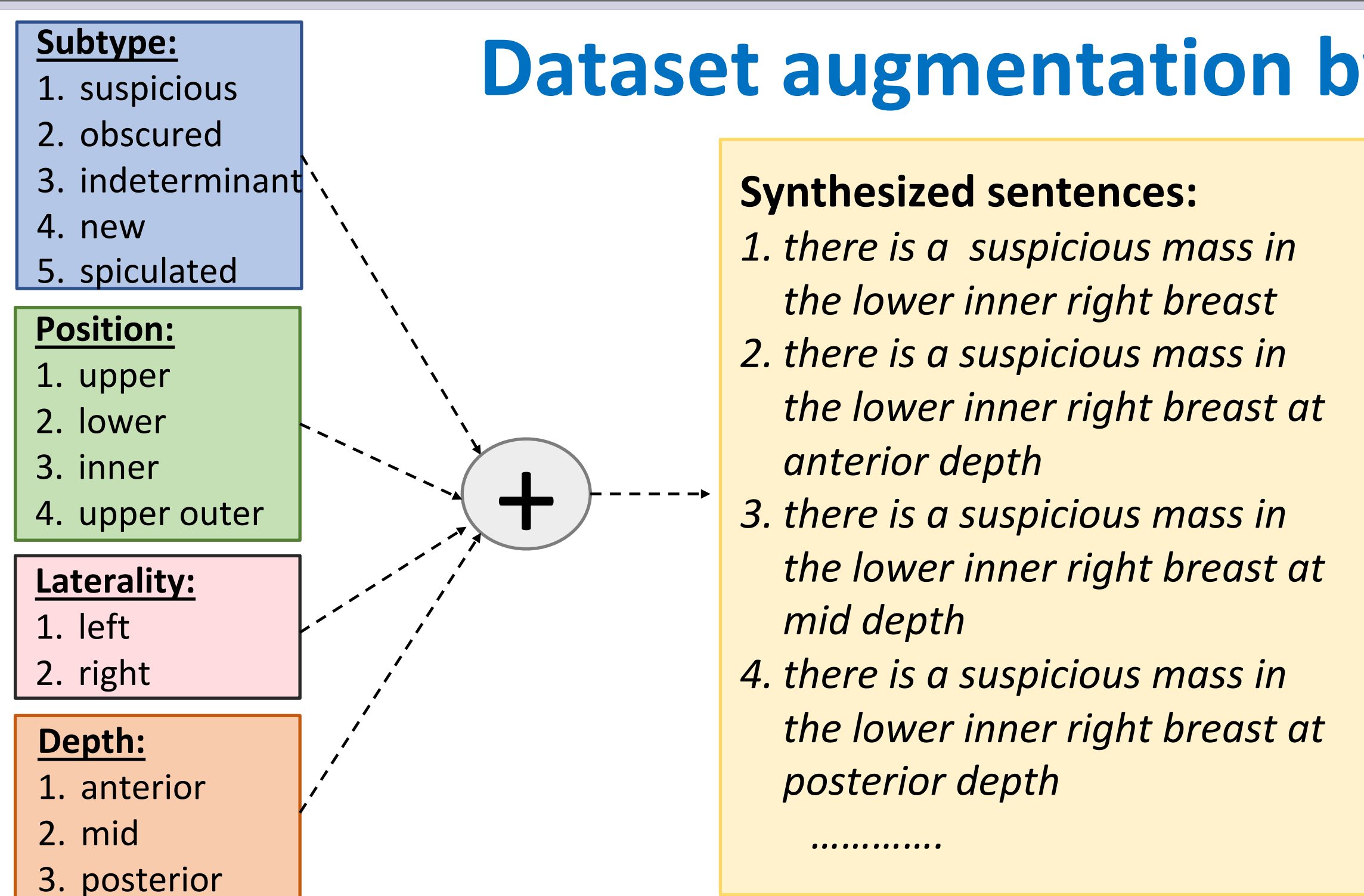
## Motivation

- Scarcity of diverse, annotated mammogram datasets for effective CAD training.
- Vision-Language Models enhance robustness and data efficiency for medical imaging..
- Existing models lose critical diagnostic details due to reduced image resolution.
- Improving AI transparency with feature alignment between images and reports.

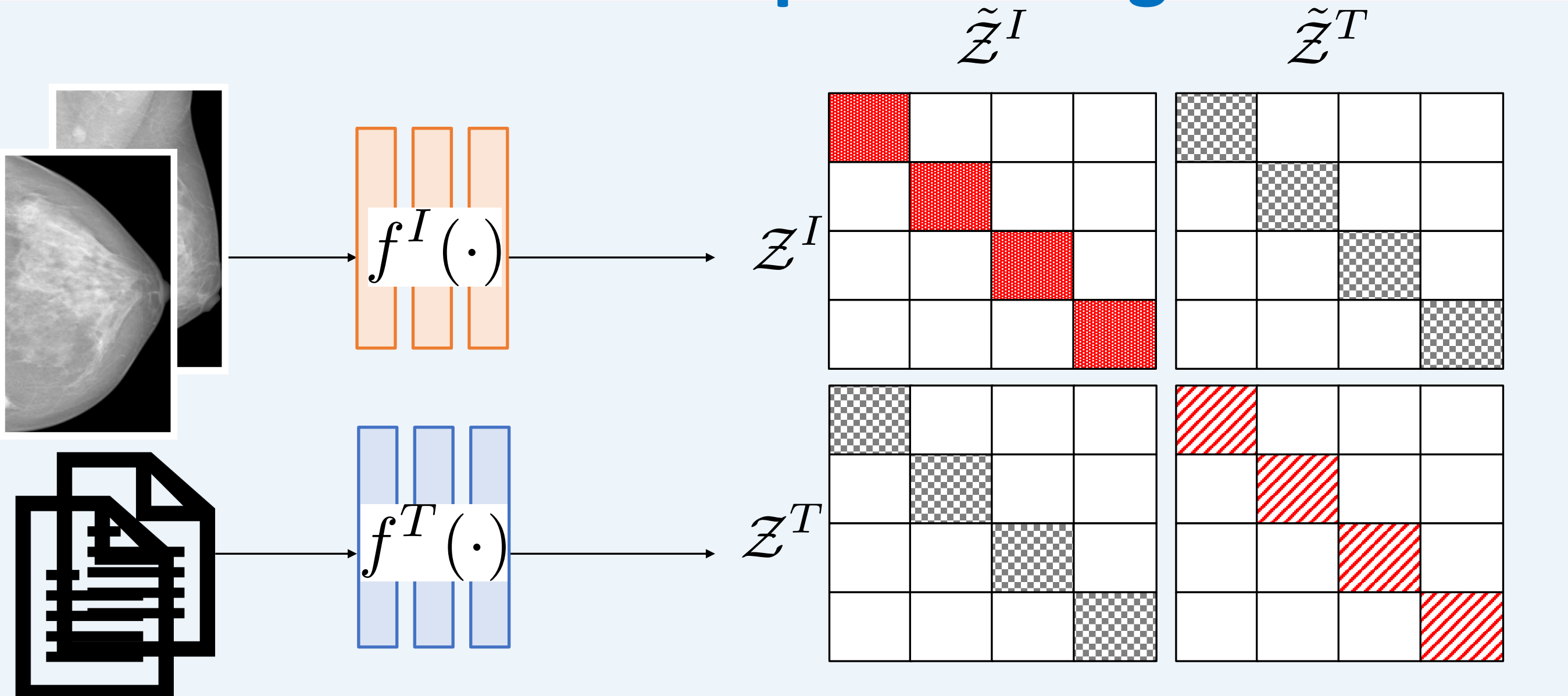
## Image Text augmentation



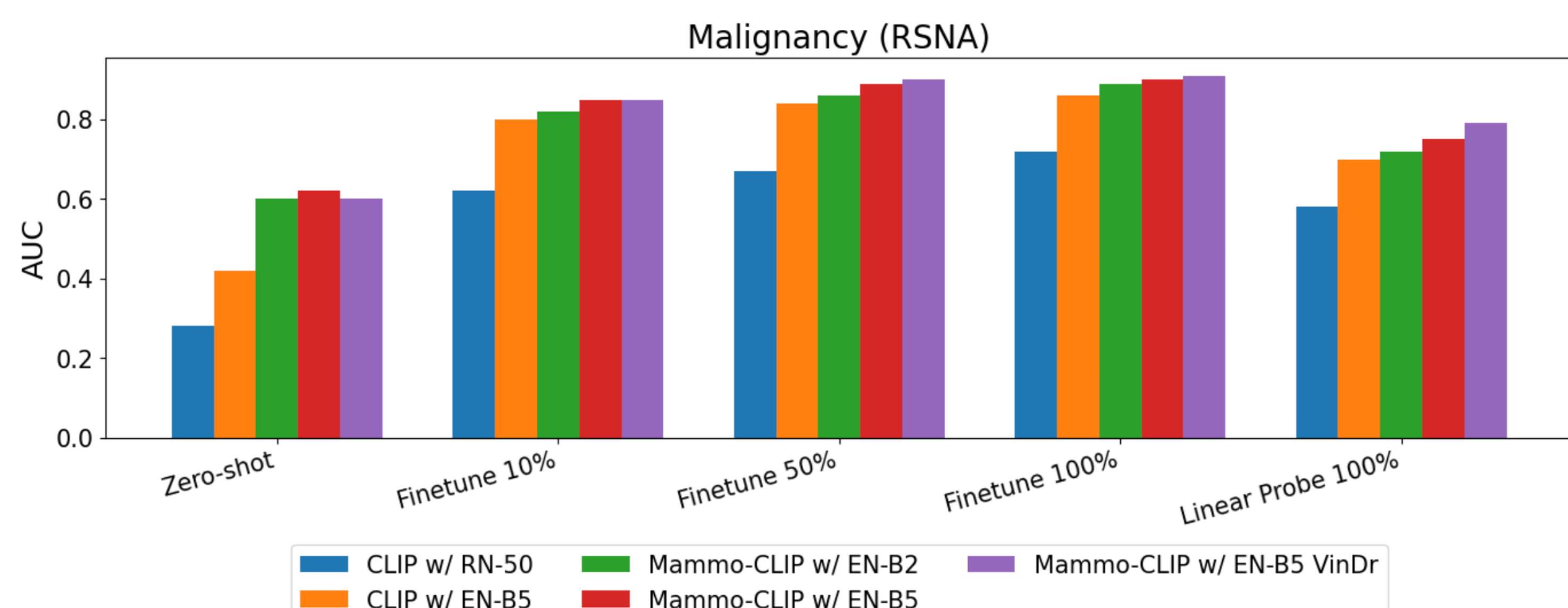
## Dataset augmentation by synthesizing reports using image-label datasets



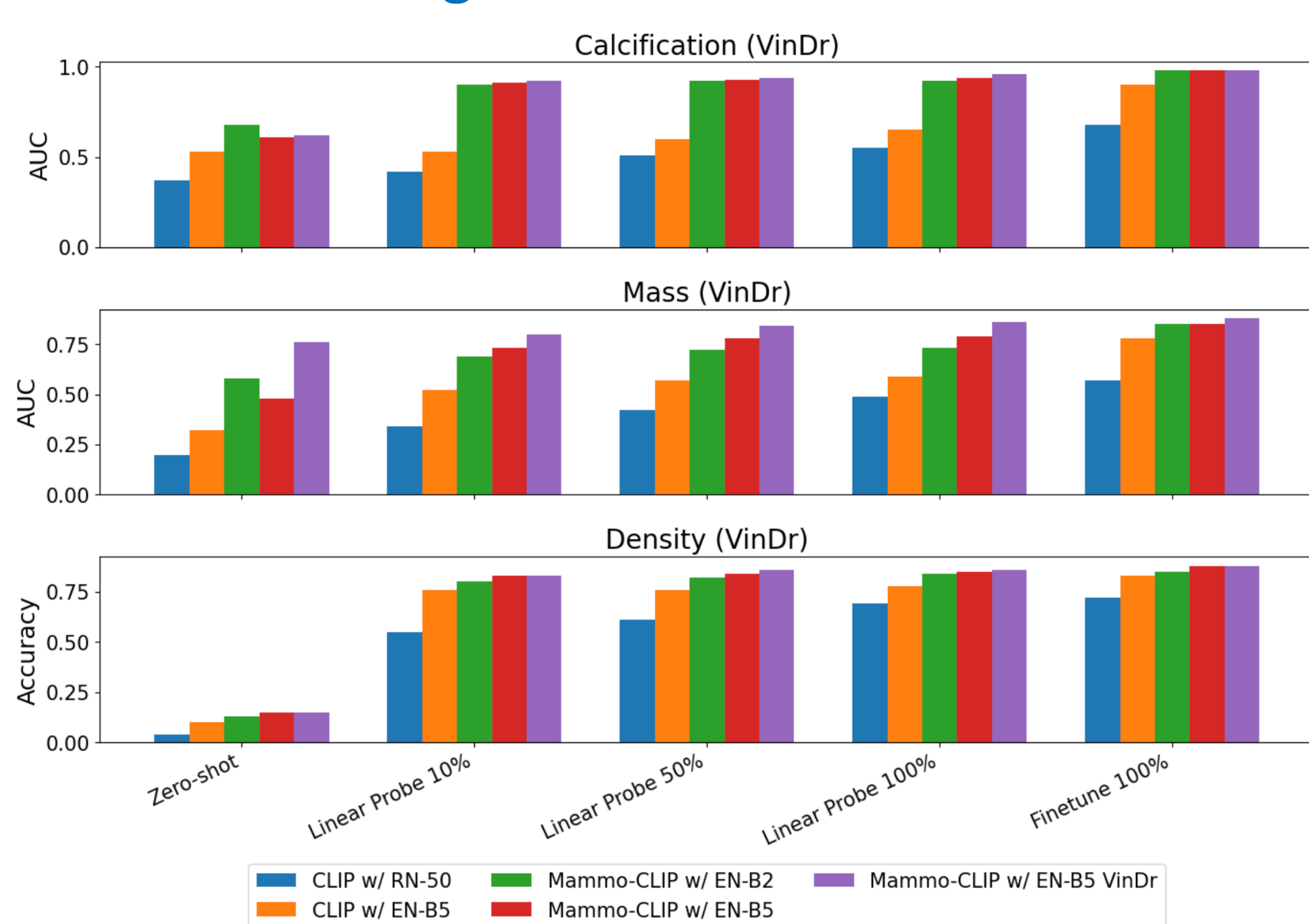
## Mammo-CLIP pretraining



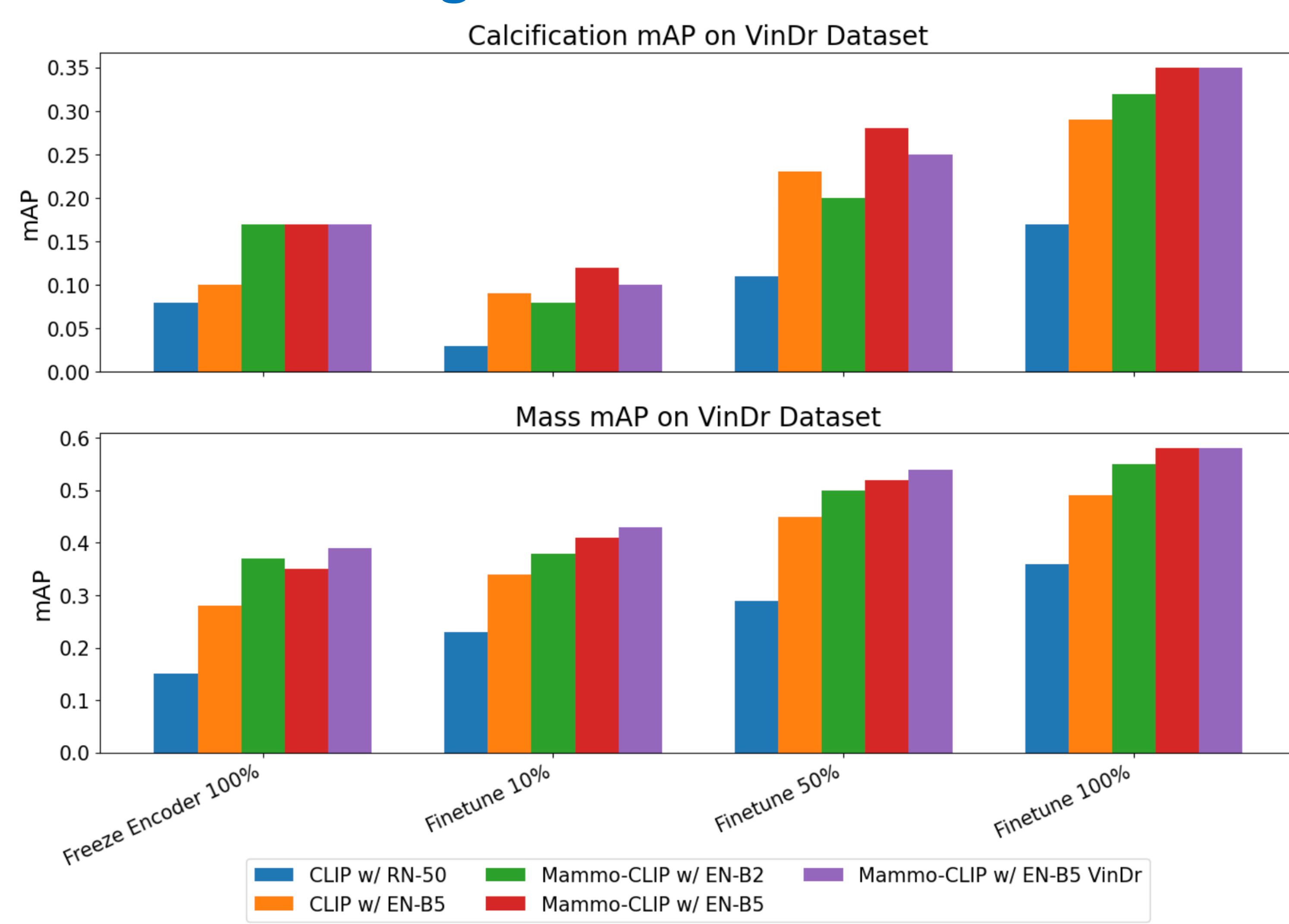
## Cancer classification on RSNA



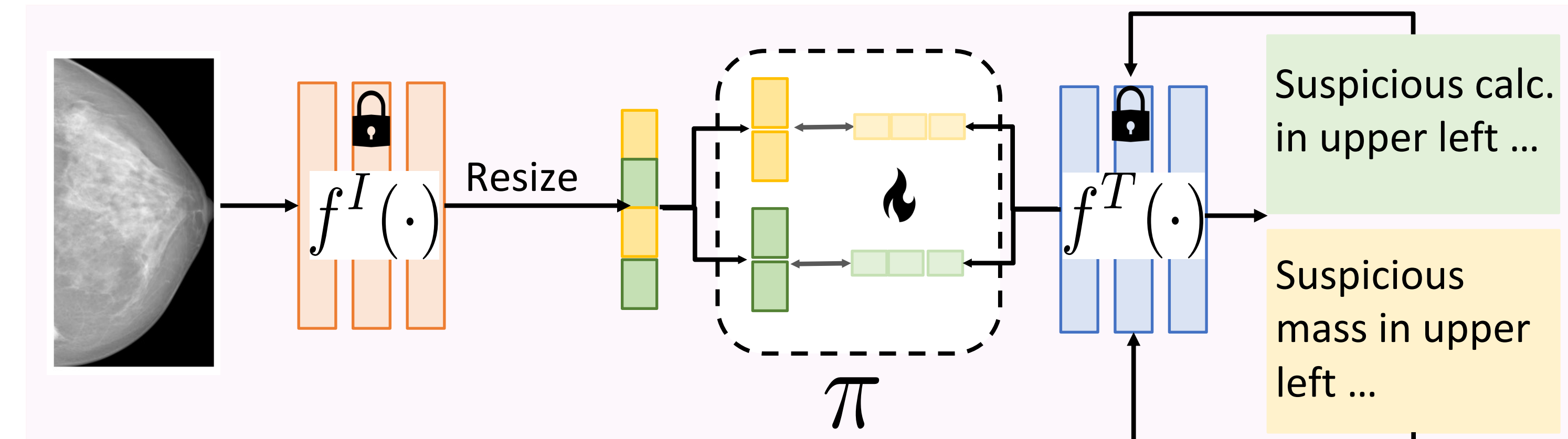
## Findings classification on VinDr



## Findings localization on VinDr



## Mammo-FactOR



## Mammo-FactOR localization

