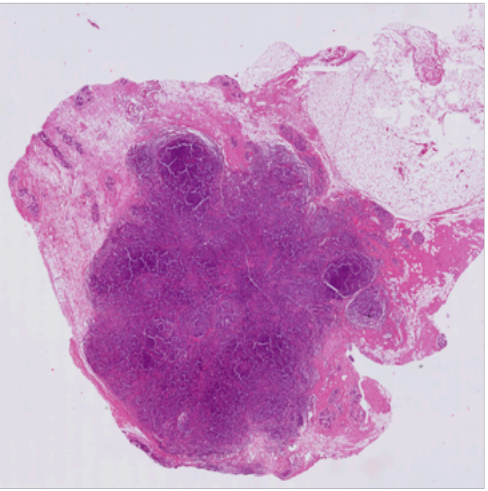
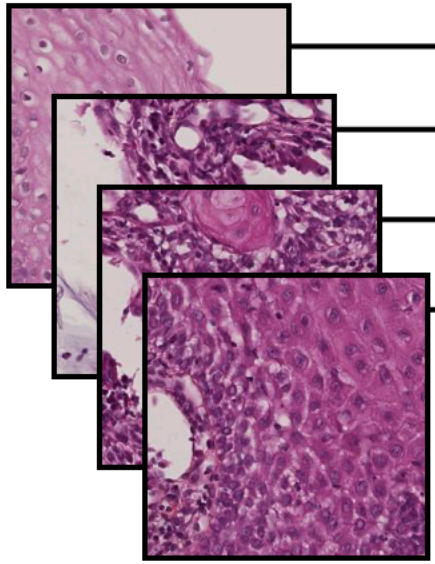


WSI



Tile representations

$\mathbf{e}_{\theta_1}(\boldsymbol{x}_1) \in \mathbb{R}^P$

$\mathbf{e}_{\theta_1}(\boldsymbol{x}_2) \in \mathbb{R}^P$

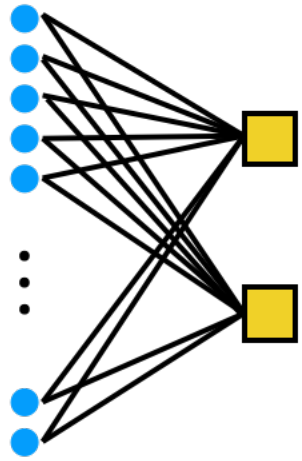
$\mathbf{e}_{\theta_1}(\boldsymbol{x}_3) \in \mathbb{R}^P$

$\mathbf{e}_{\theta_1}(\boldsymbol{x}_4) \in \mathbb{R}^P$

$\vdots$

Bag of tiles $\{\boldsymbol{x}_1, \boldsymbol{x}_2, \ldots\}$

Agglomeration



Slide representation

Output Variable

$\mathbf{e}_{\theta_1}$ $\mathbf{p}_{\theta_2}$ $\mathbf{c}_{\theta_3}$