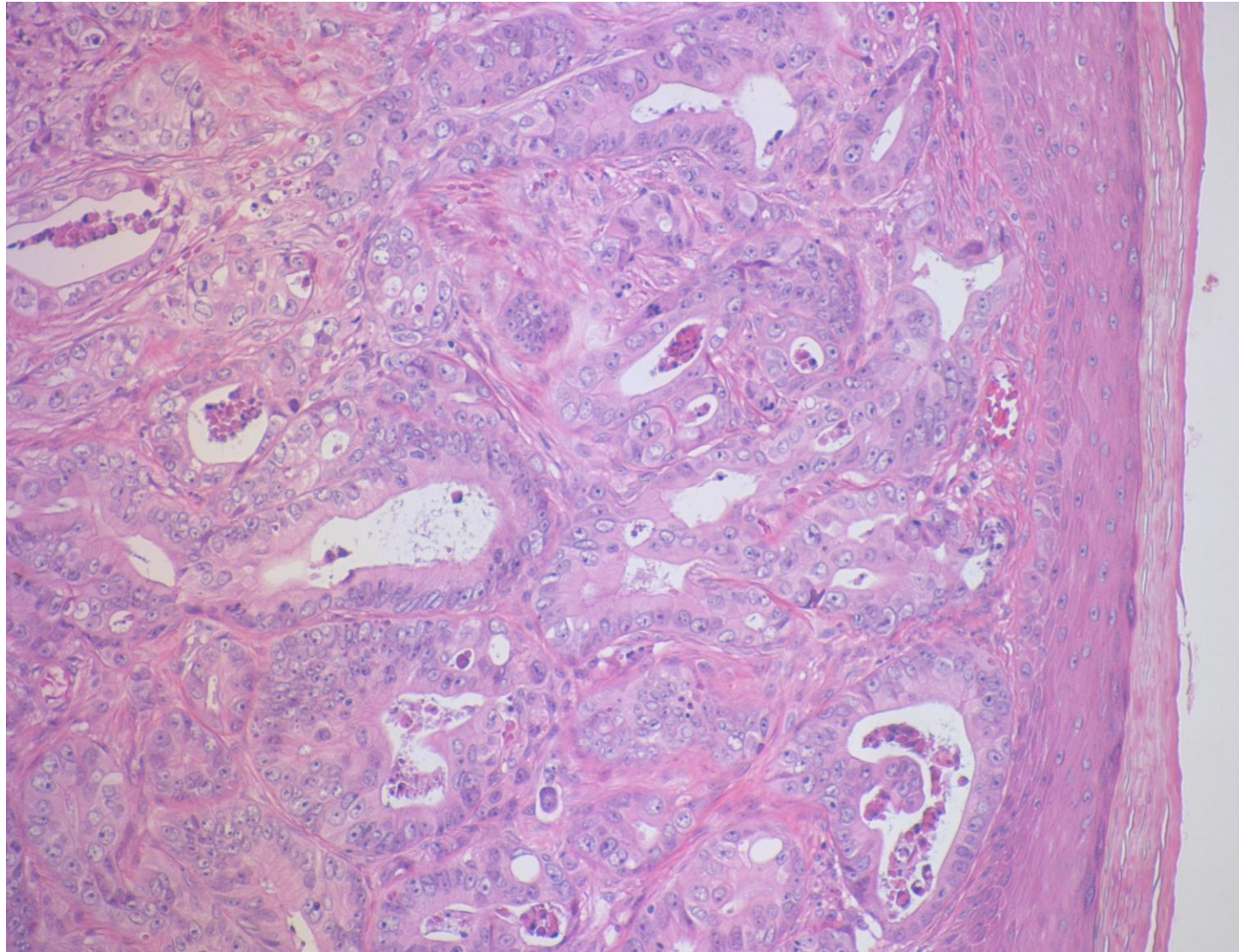


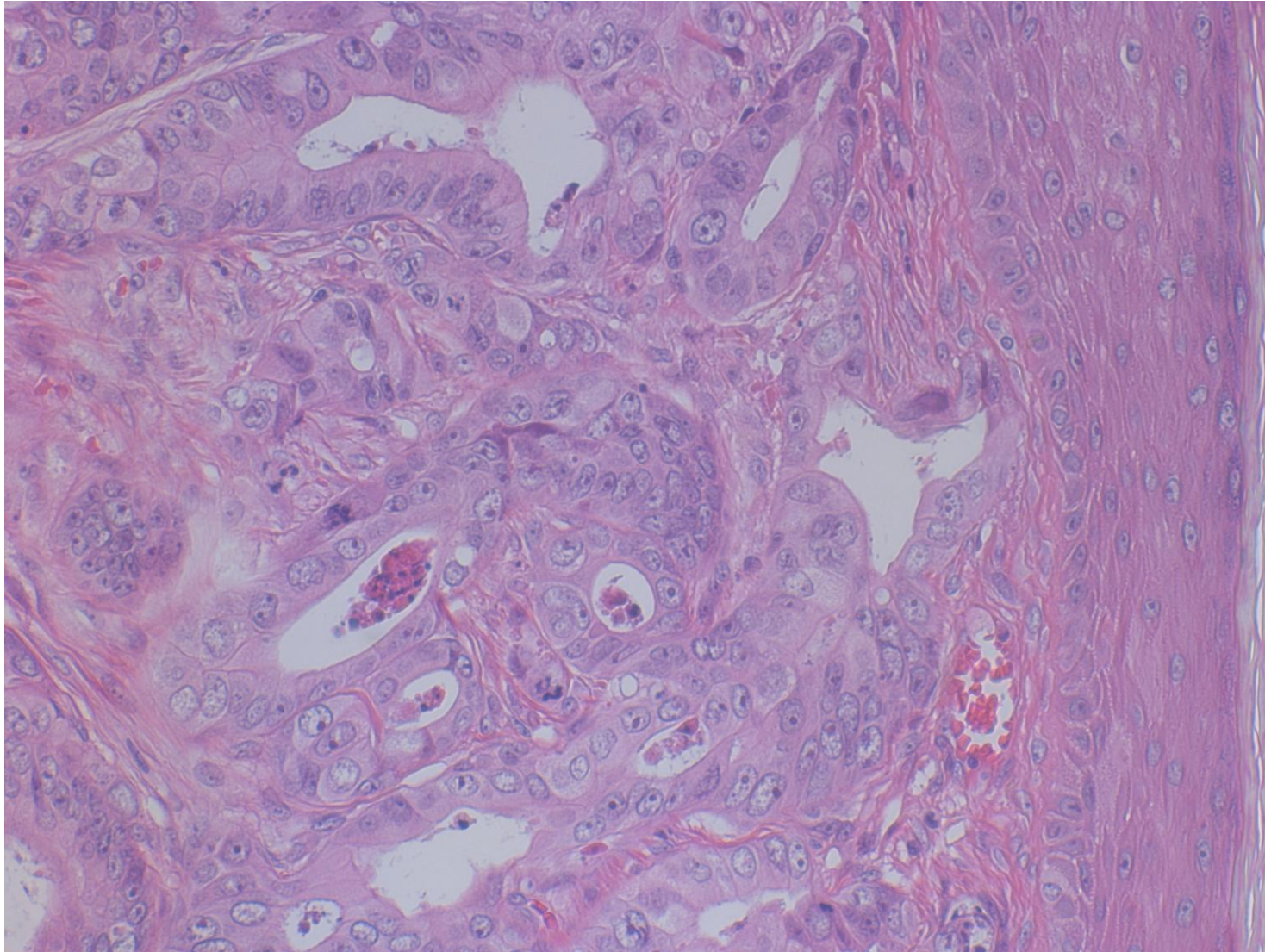
HER2-positive colonic adenocarcinoma

HER2 amplification and overexpression lead to epithelial cell growth and tumorigenesis. Approximately 3-5% of colorectal cancers have amplification of the HER2 gene. HER2 immunostaining is performed on several cancer types to assess prognosis and to determine suitability for trastuzumab (Herceptin) therapy. Strong lateral or complete basolateral membrane staining of colorectal tumor cells is considered positive.

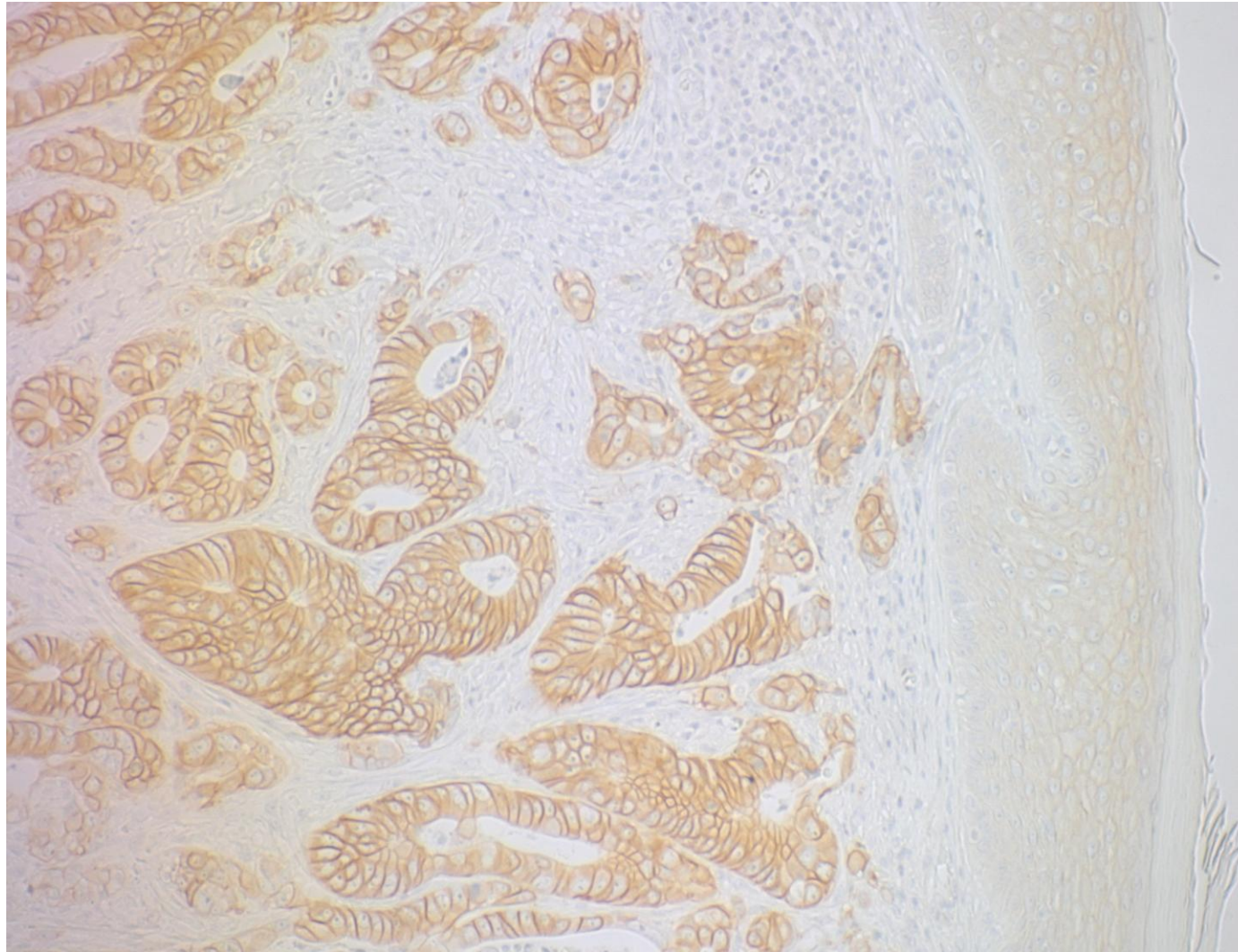
Ref.: Valtorta E, et al. Assessment of a HER2 scoring system for colorectal cancer: results from a validation study. Mod Pathol 2015; 28(11): 1481-1491. doi: 10.1038/modpathol.2015.98



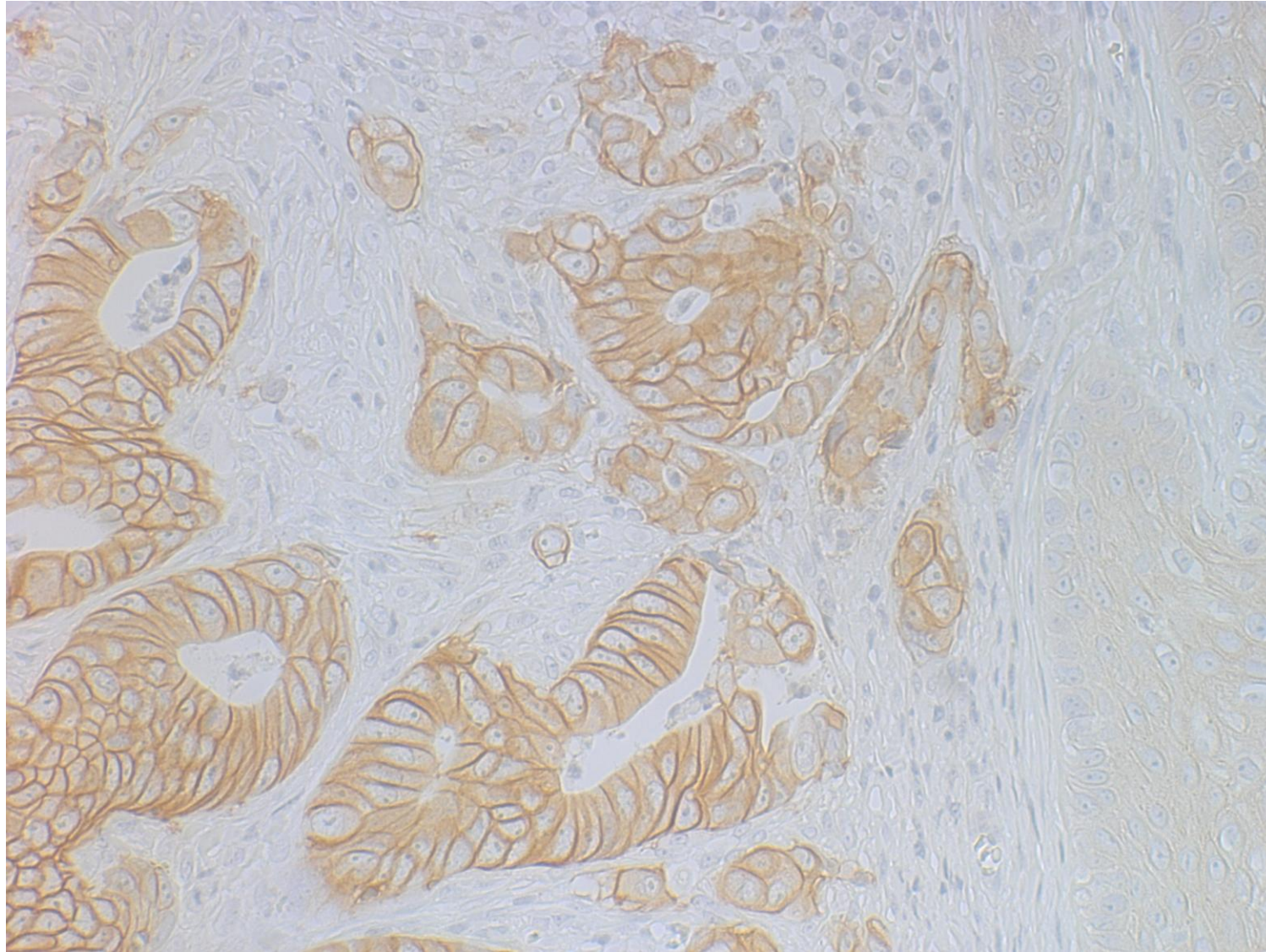
Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type is seen in the dermis. H&E-1



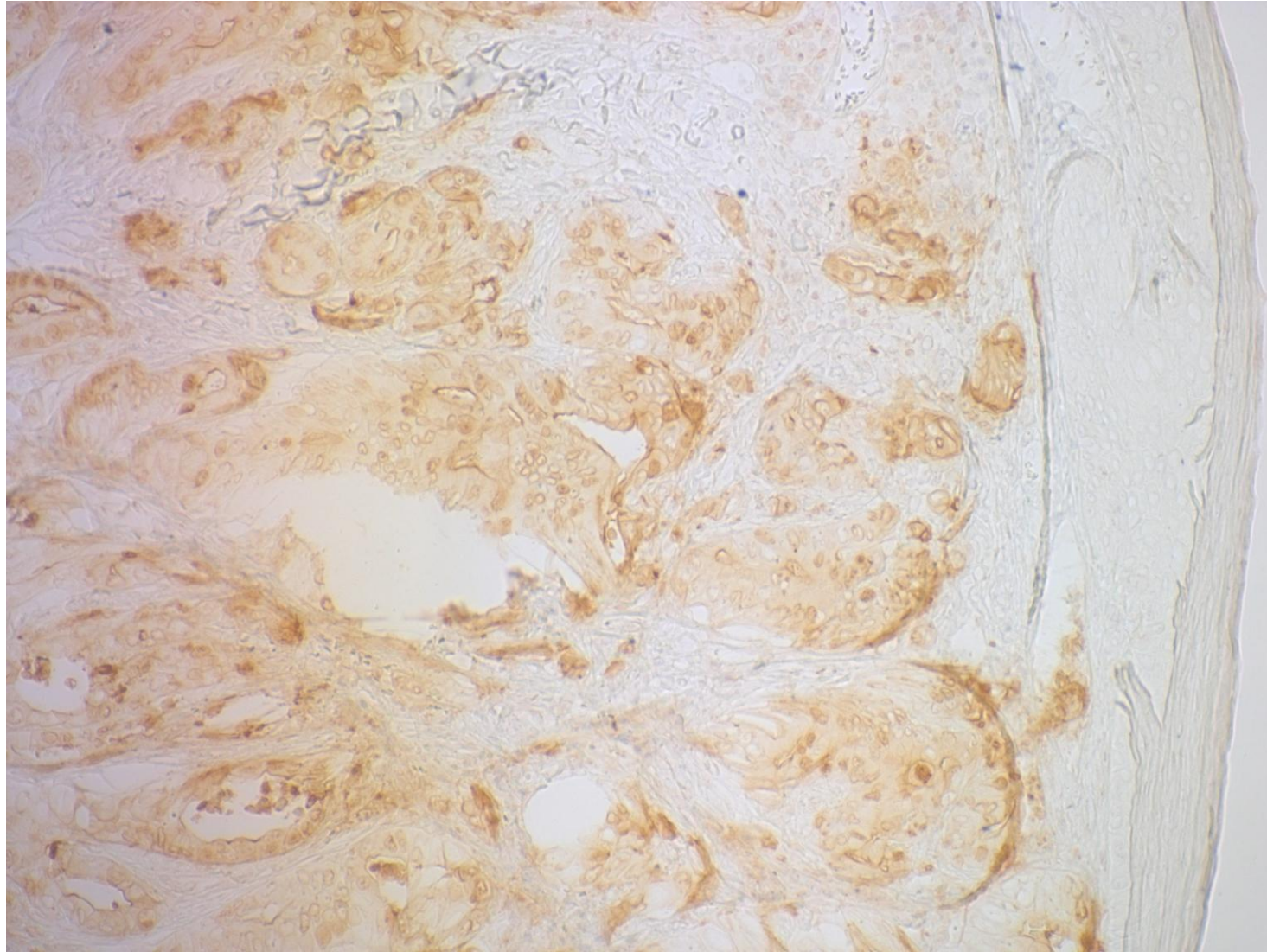
Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type is seen in the dermis. H&E-2



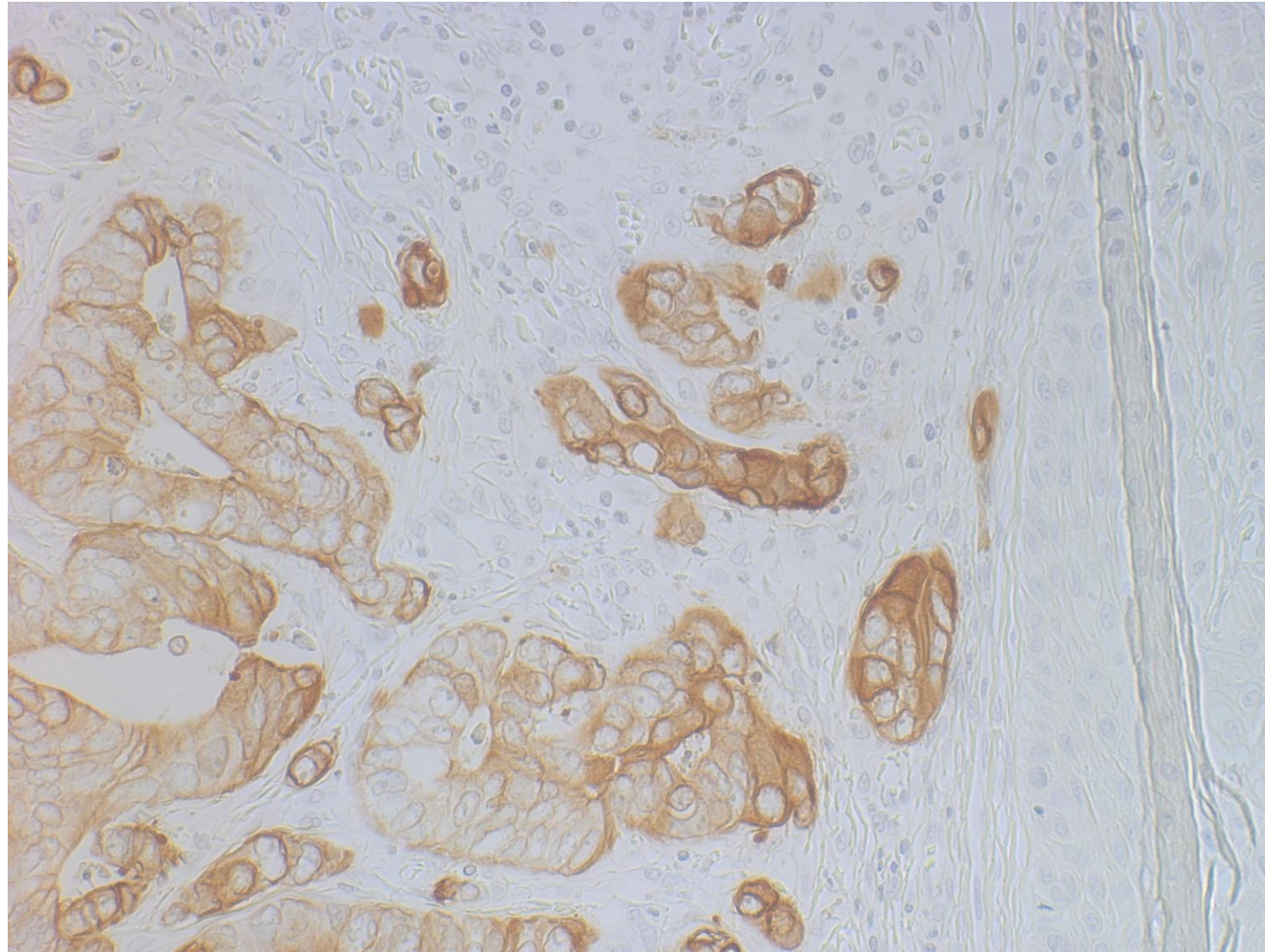
Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type strongly express HER2. Immunostaining for HER2 (1)



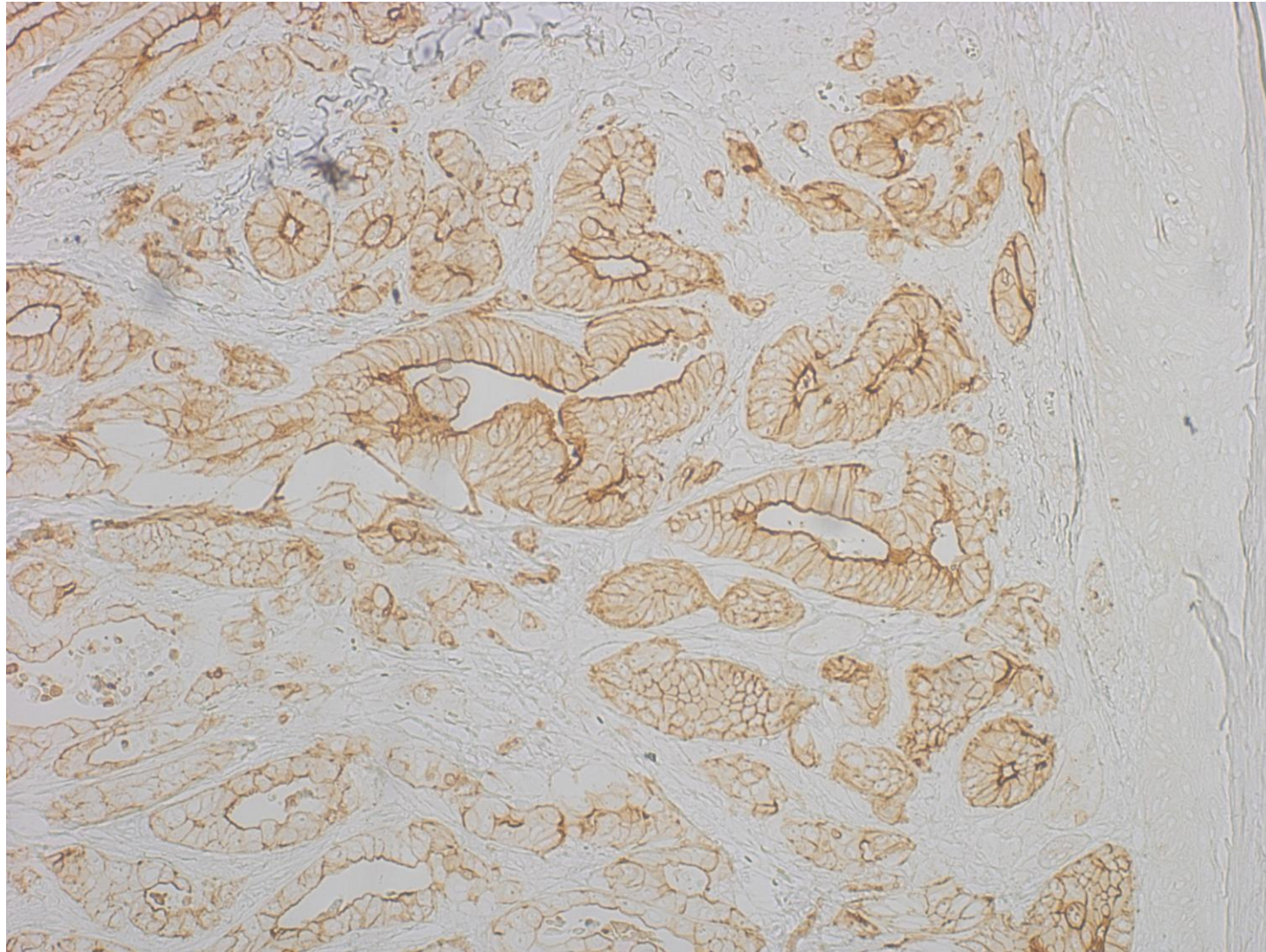
Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type strongly express HER2. Immunostaining for HER2 (2)



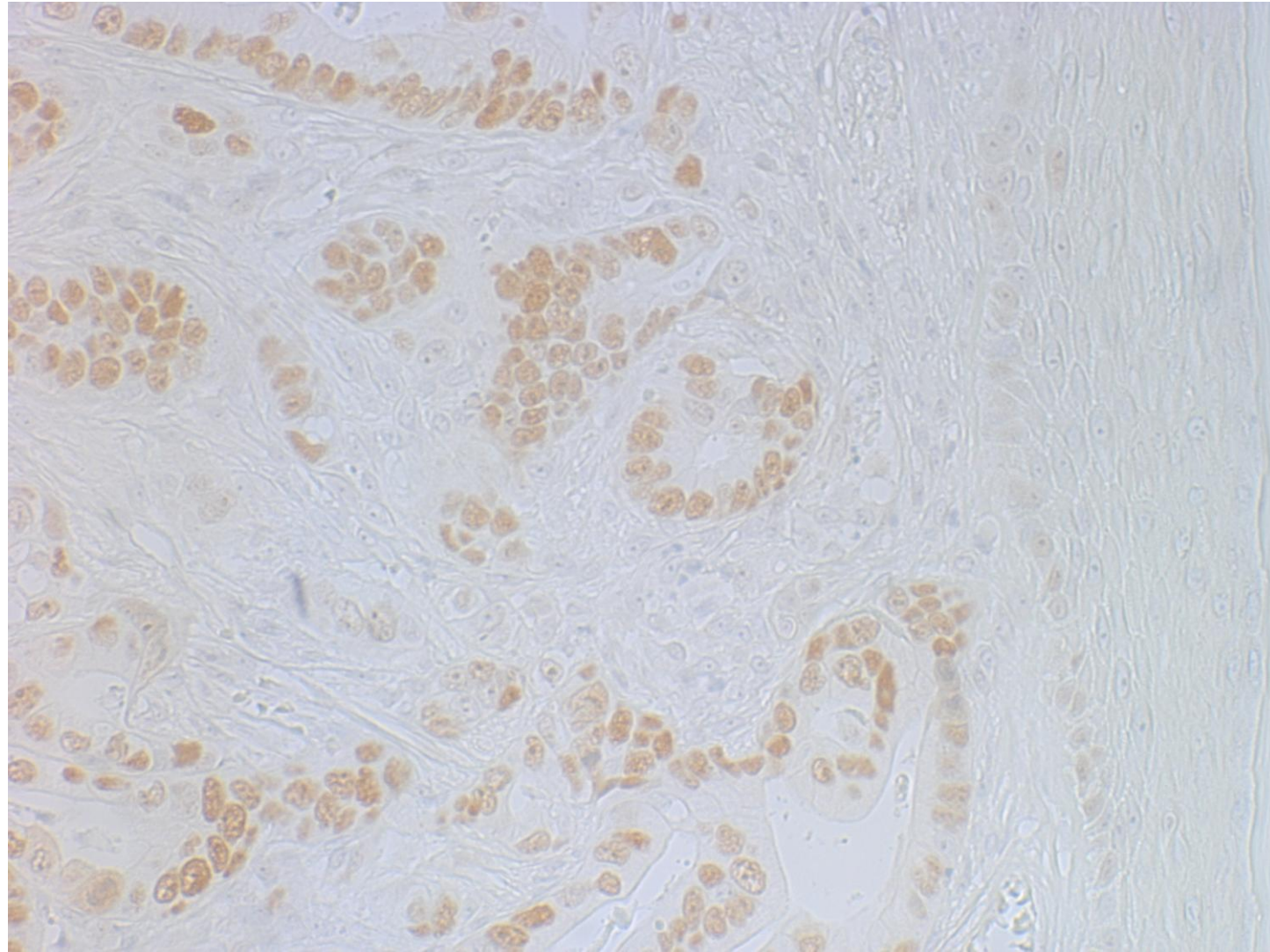
Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type strongly express CEA. Immunostaining for CEA



Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type strongly express CK7. Immunostaining for CK7



Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type express villin. Immunostaining for villin



Colonic adenocarcinoma metastatic to vulvar skin of a woman aged 70's. Well-differentiated tubular adenocarcinoma of colonic type express p53 diffusely in the nuclei. Immunostaining for p53