

1456

# 皮膚腫瘍

1 広島市立広島市民病院 病理診断科

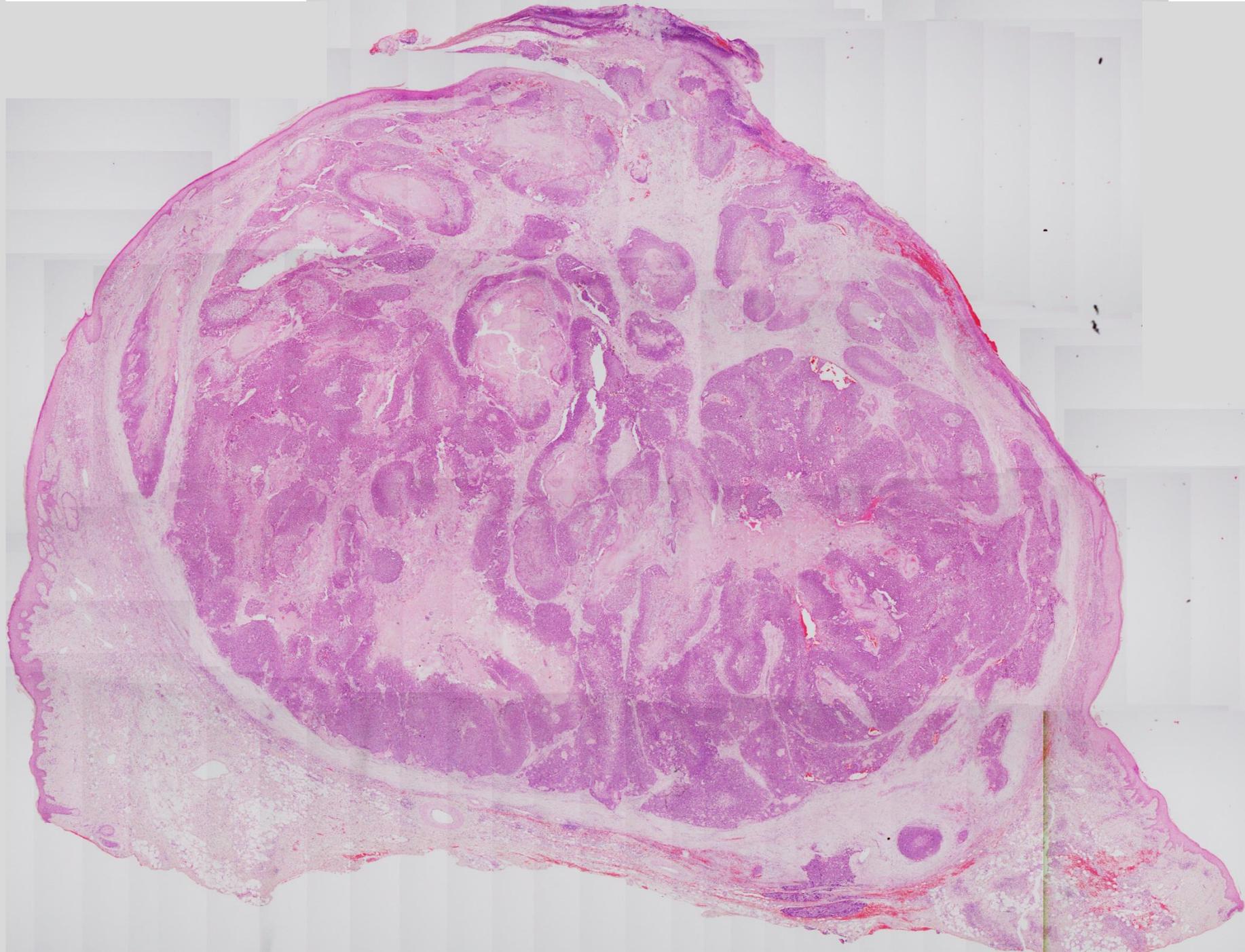
2. 岡山済生会総合病院 病理

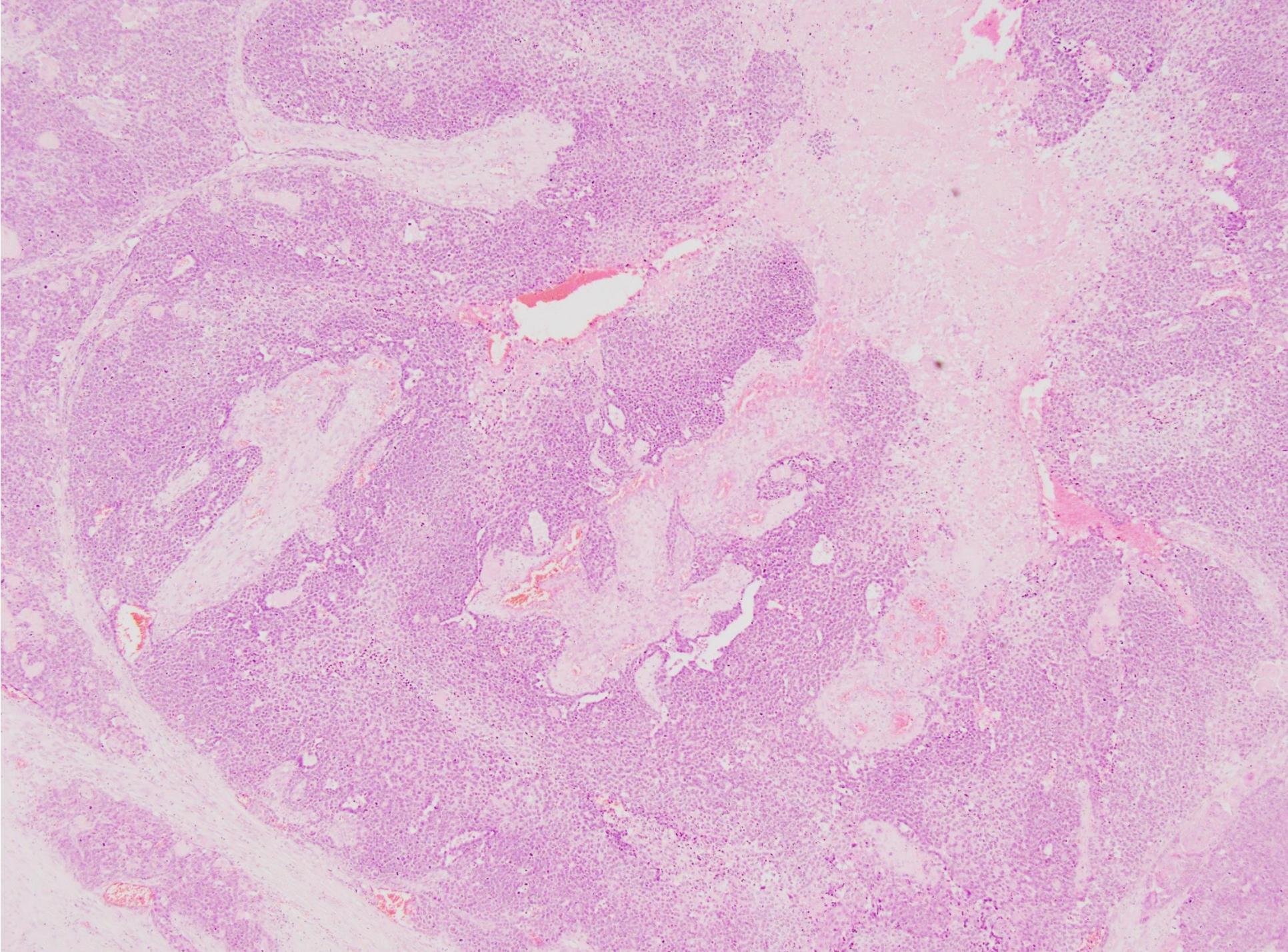
谷口 恒平[1], 能勢 聡一郎[2]

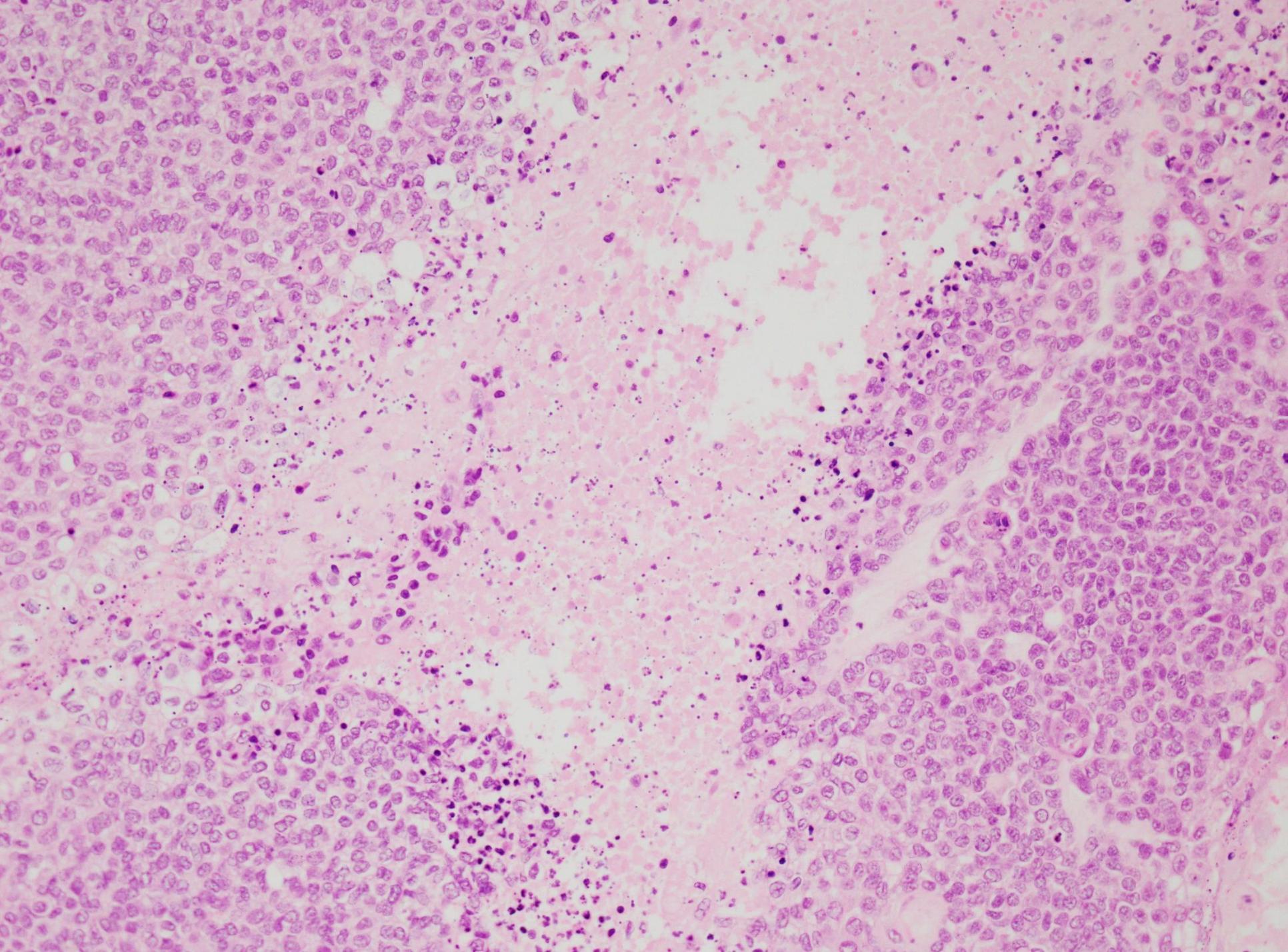
# 90歳代 男性

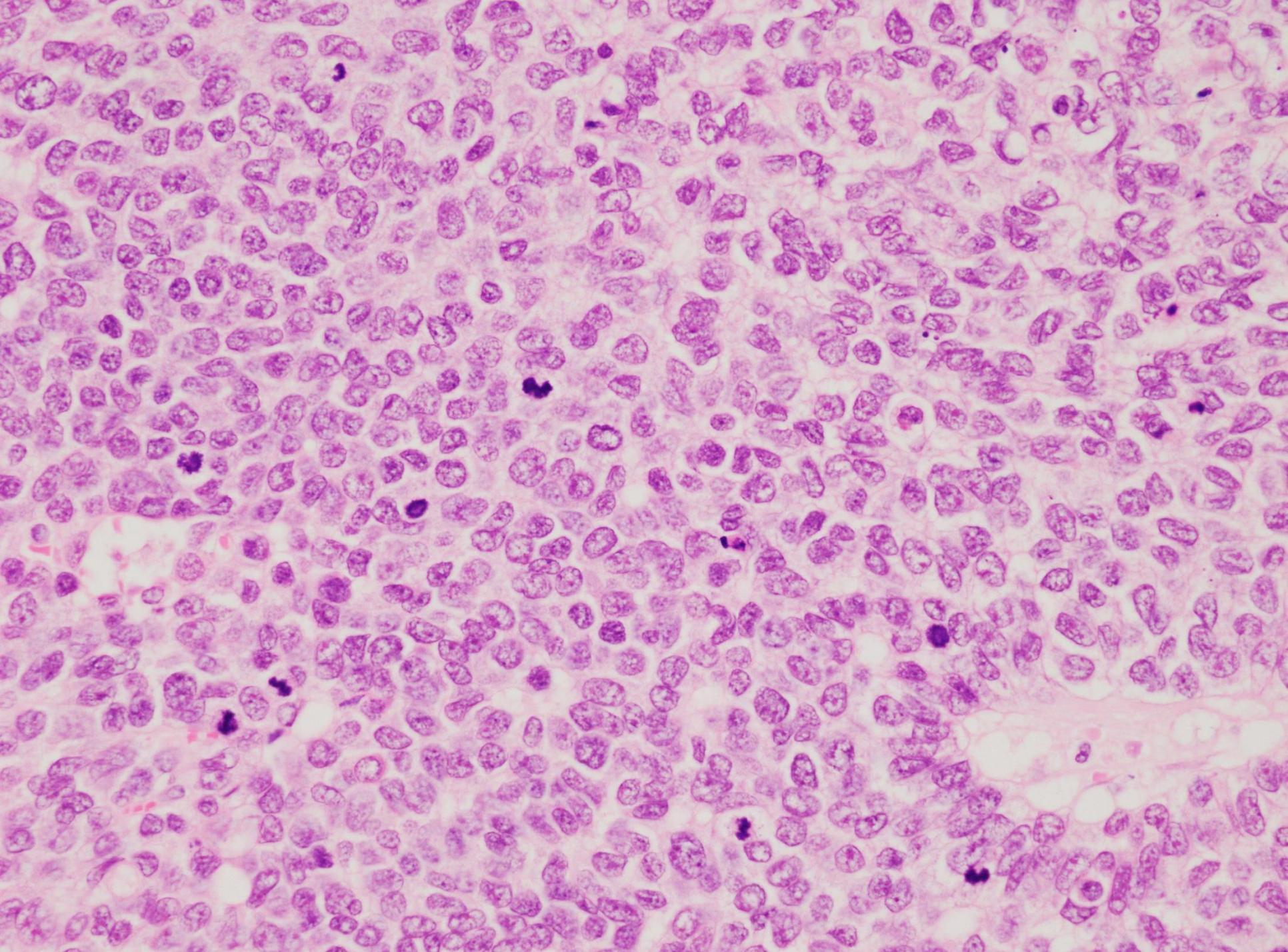
右耳介皮膚の腫瘍性病変。  
1～2ヶ月程度で比較的急速な  
増大を示す腫瘍であり、切除  
された。

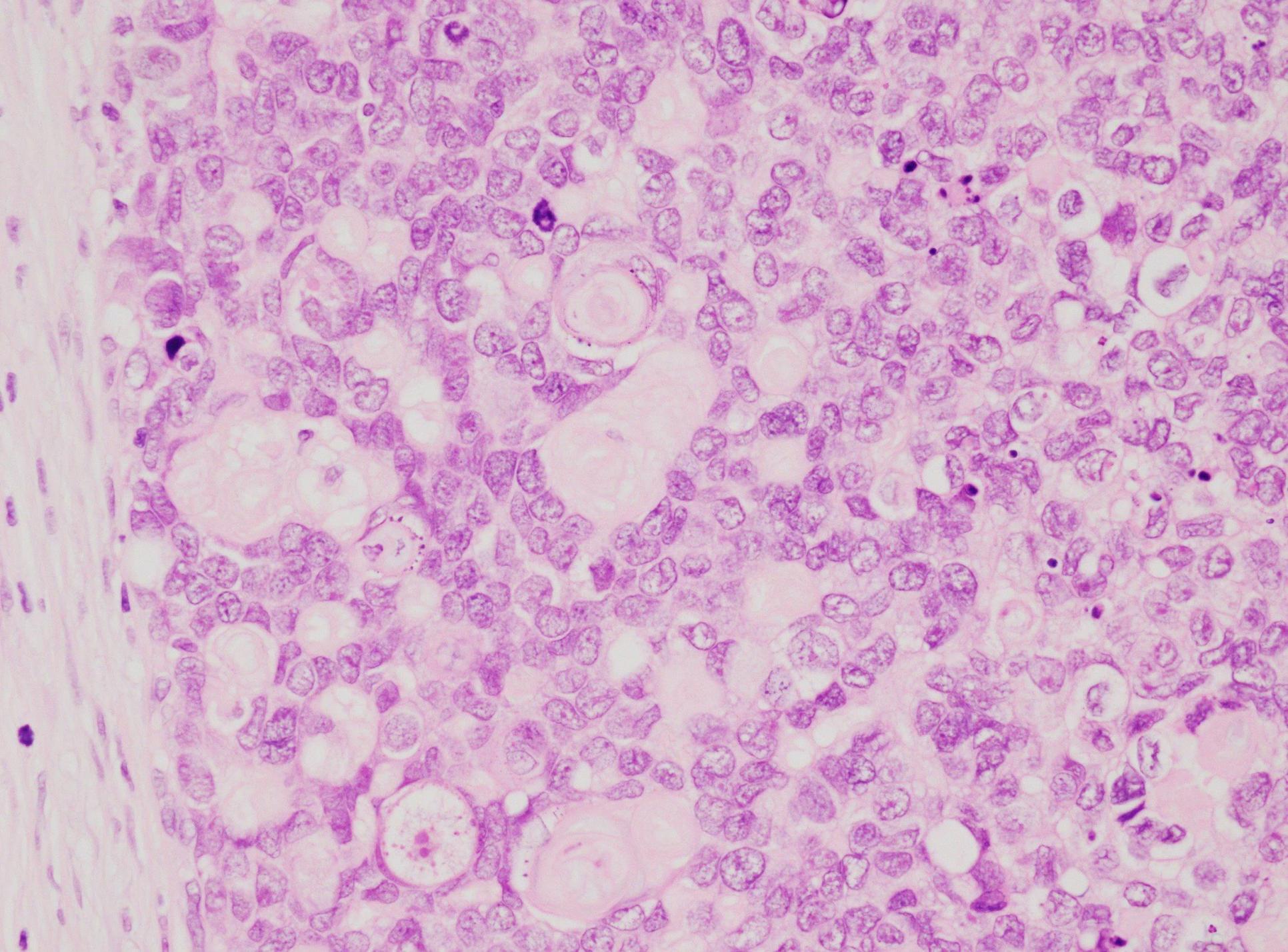


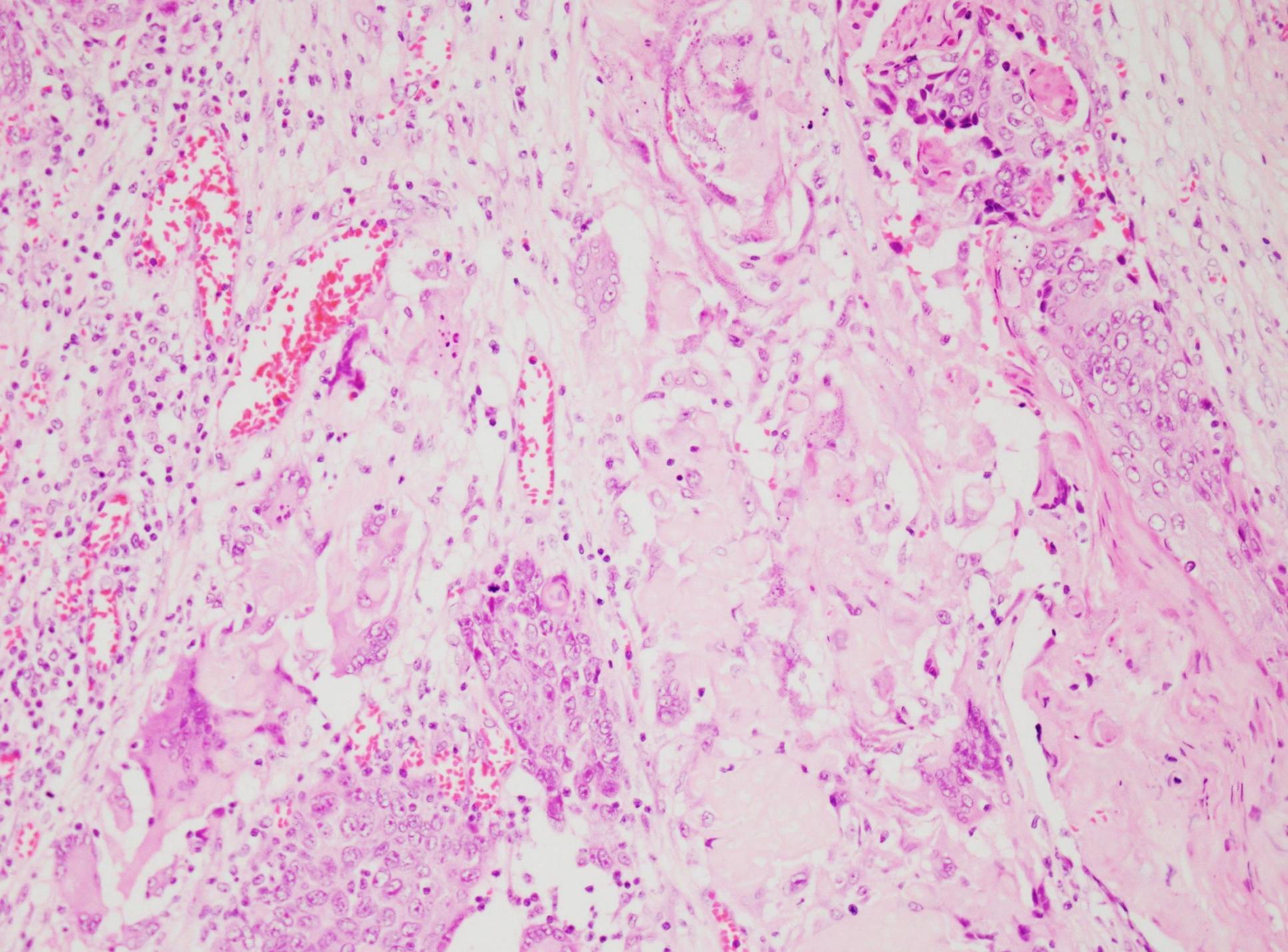


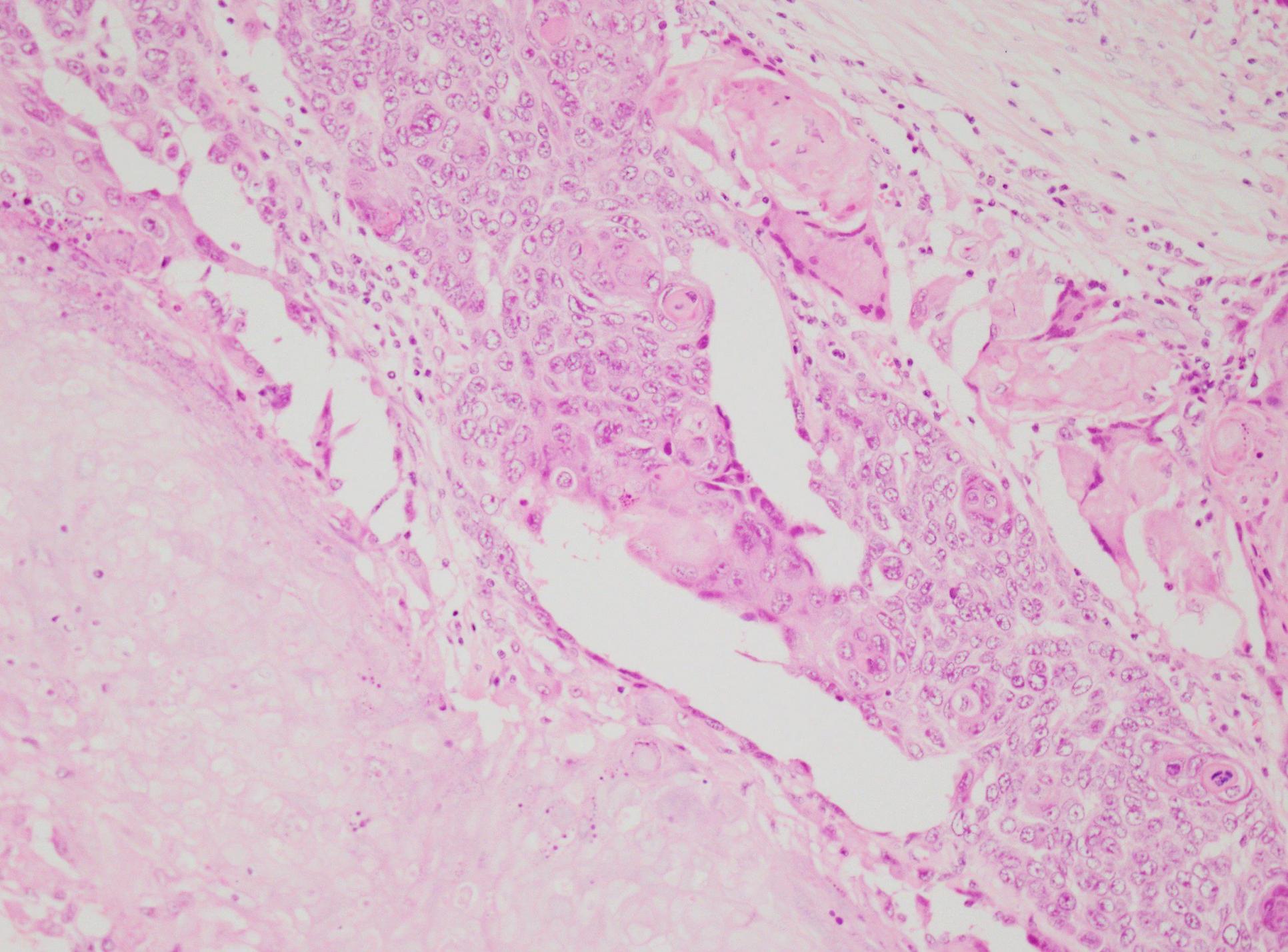


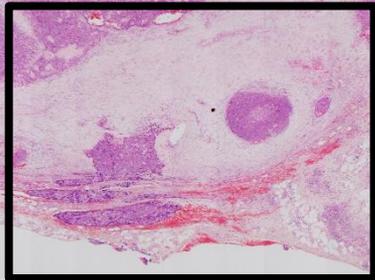
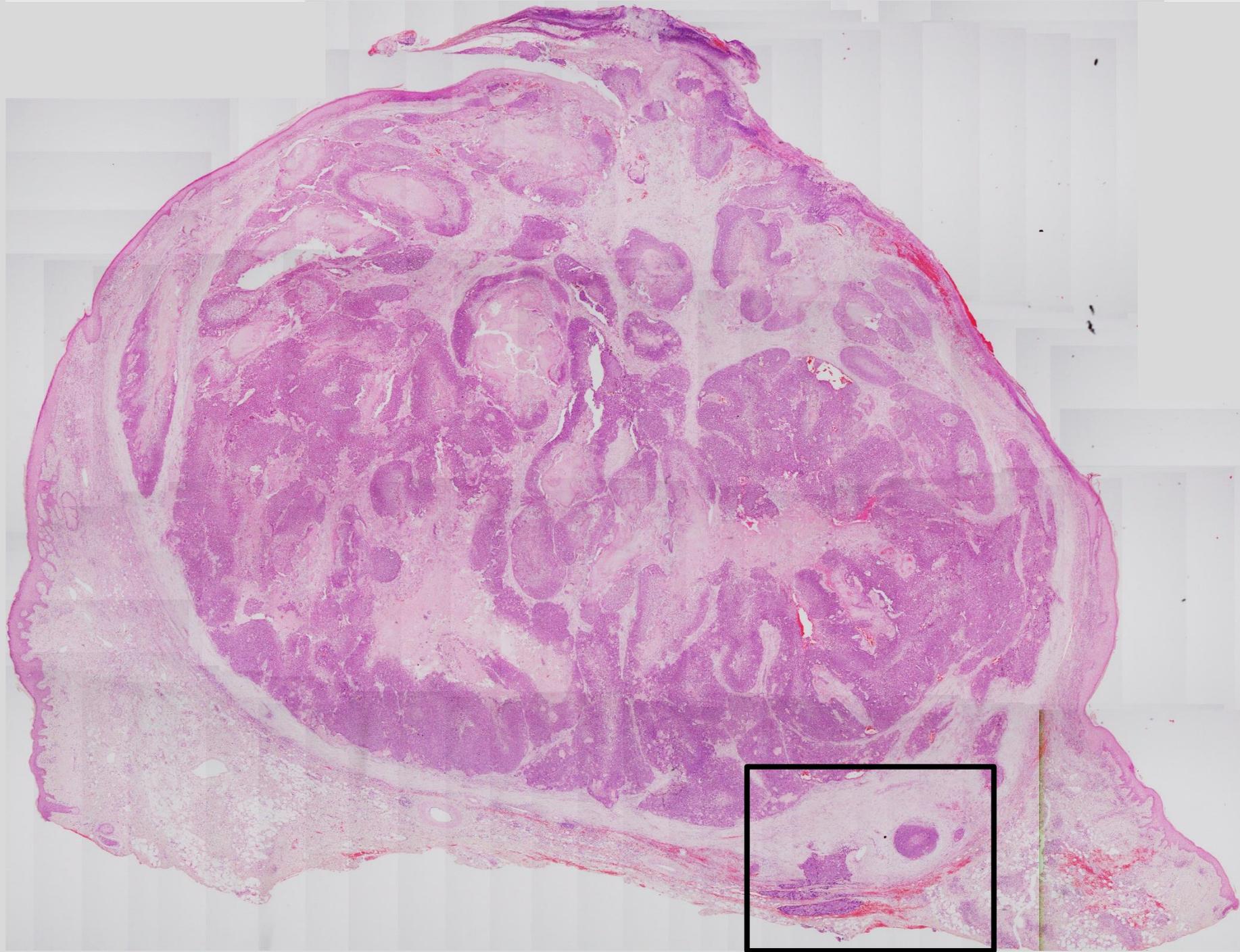


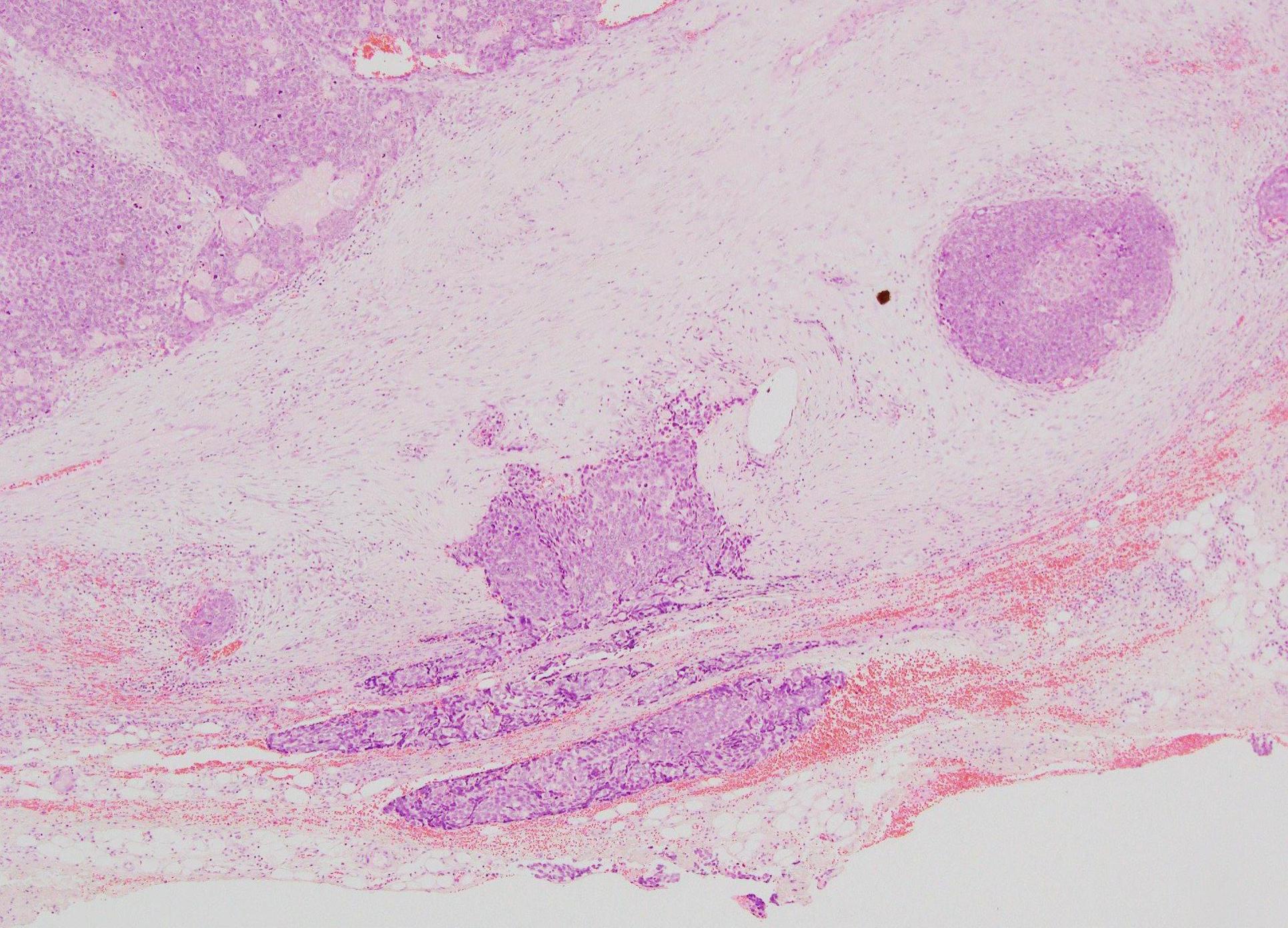


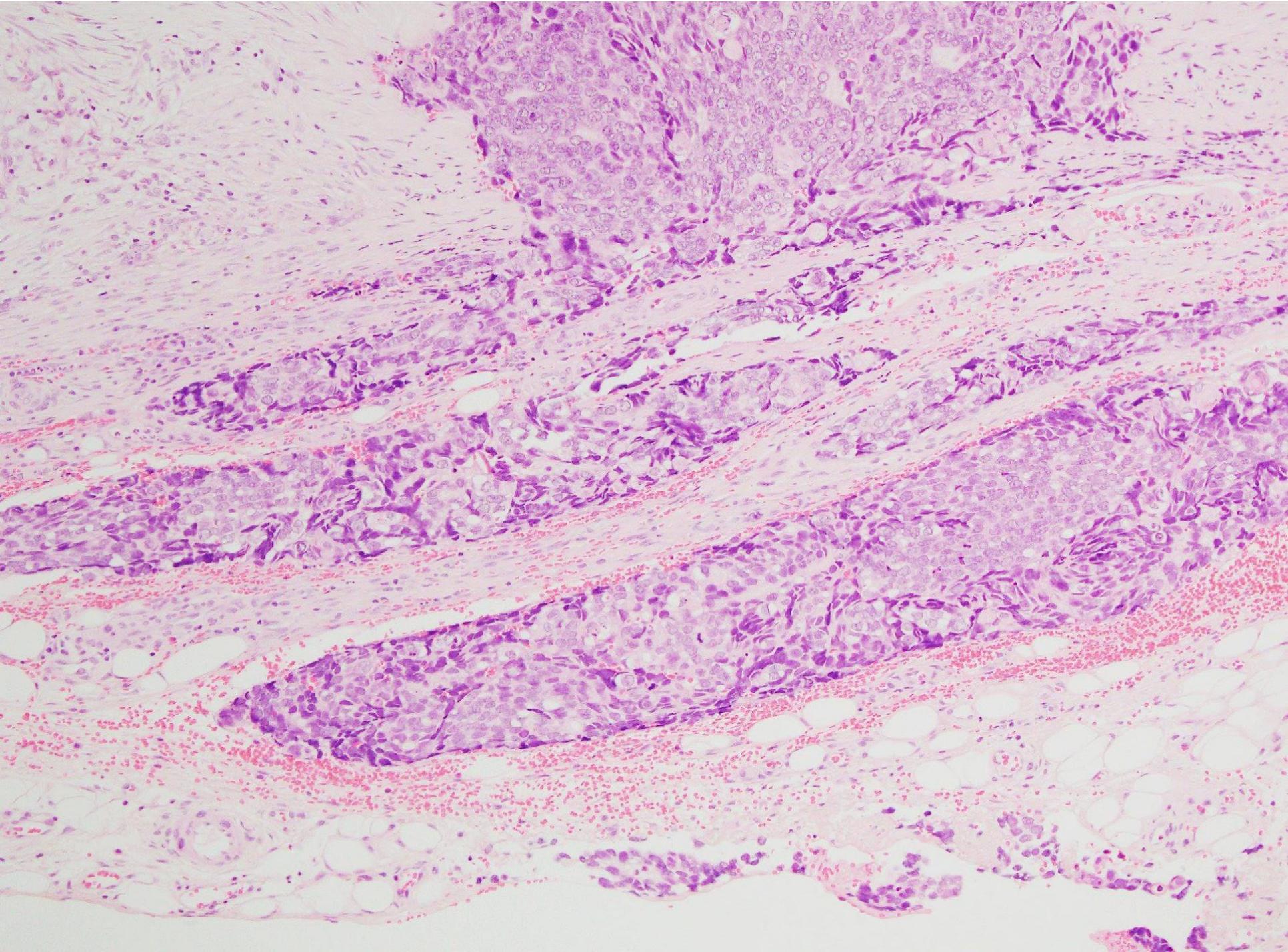








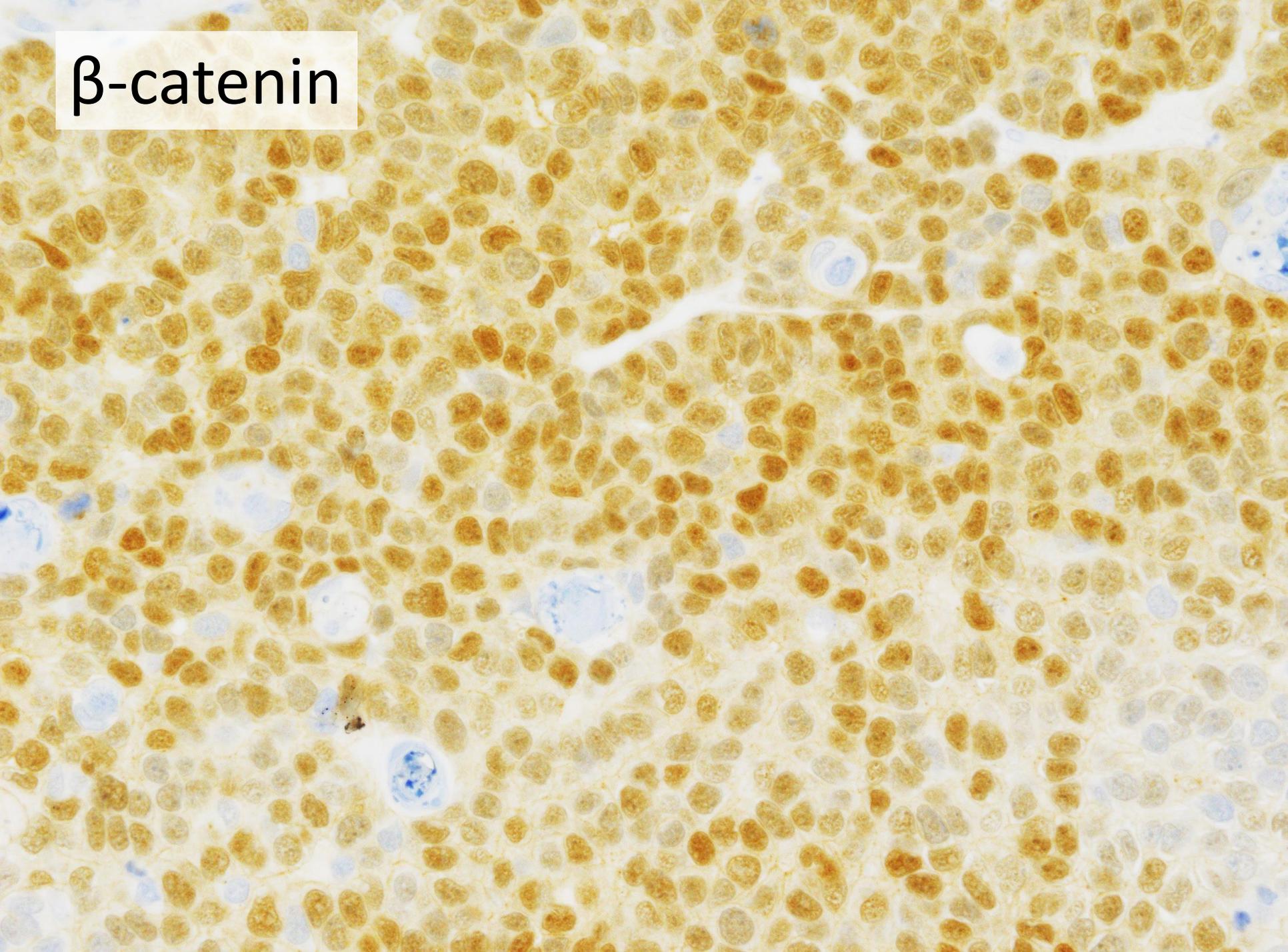




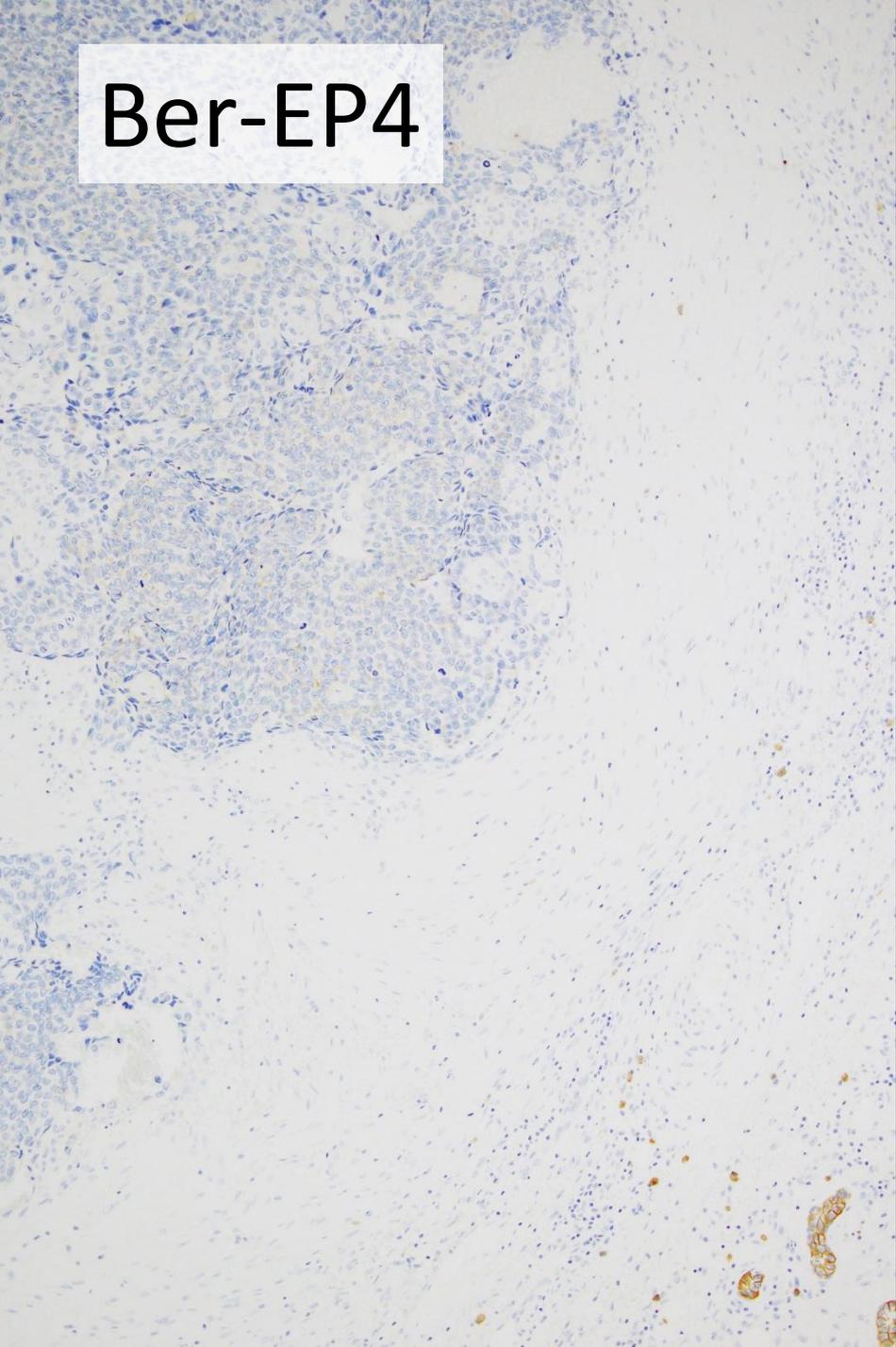
# 【鑑別疾患】

- Pilomatrixoma
- Pilomatrical carcinoma
  - Basal cell carcinoma
  - Melanocytic matricoma

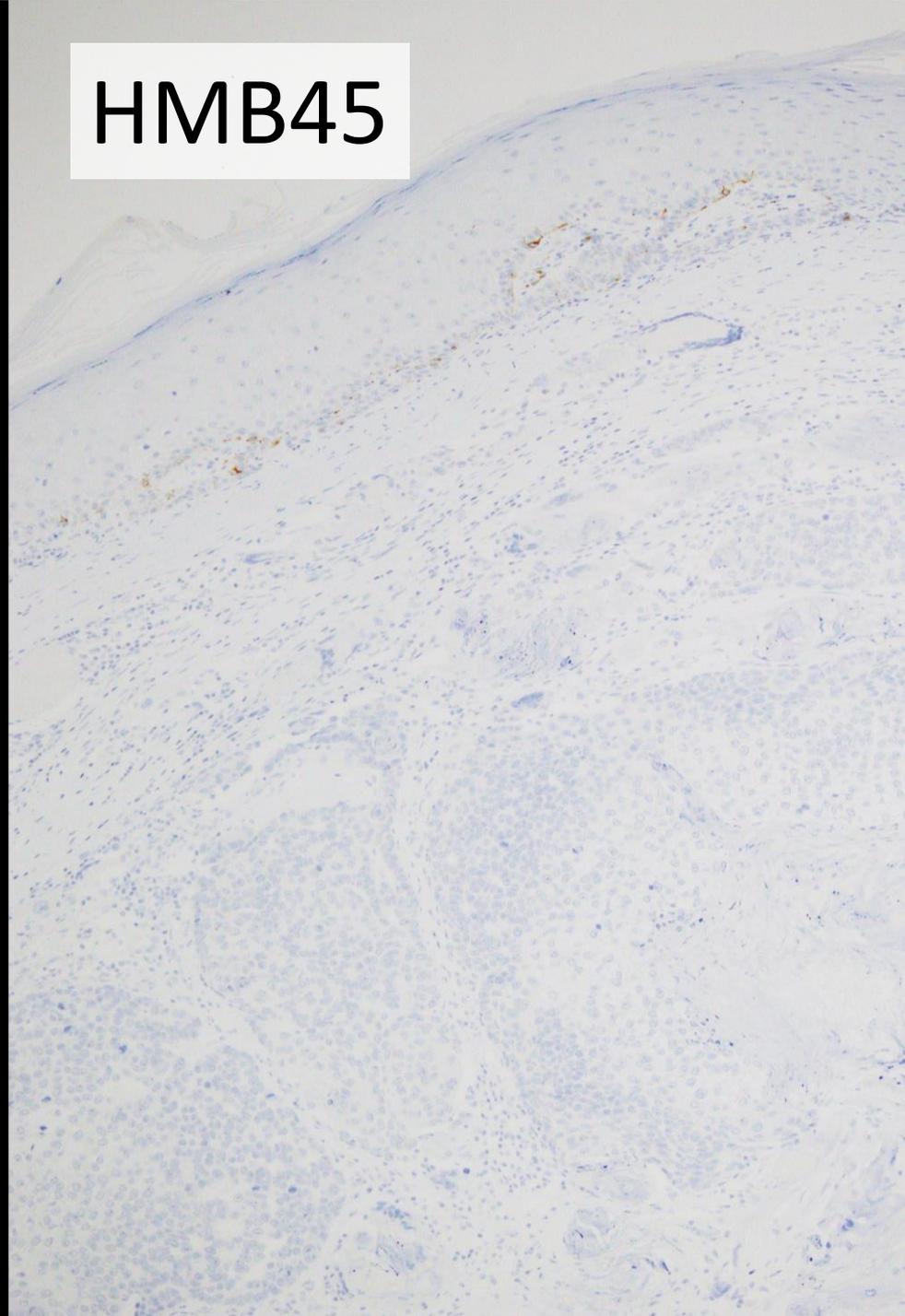
$\beta$ -catenin



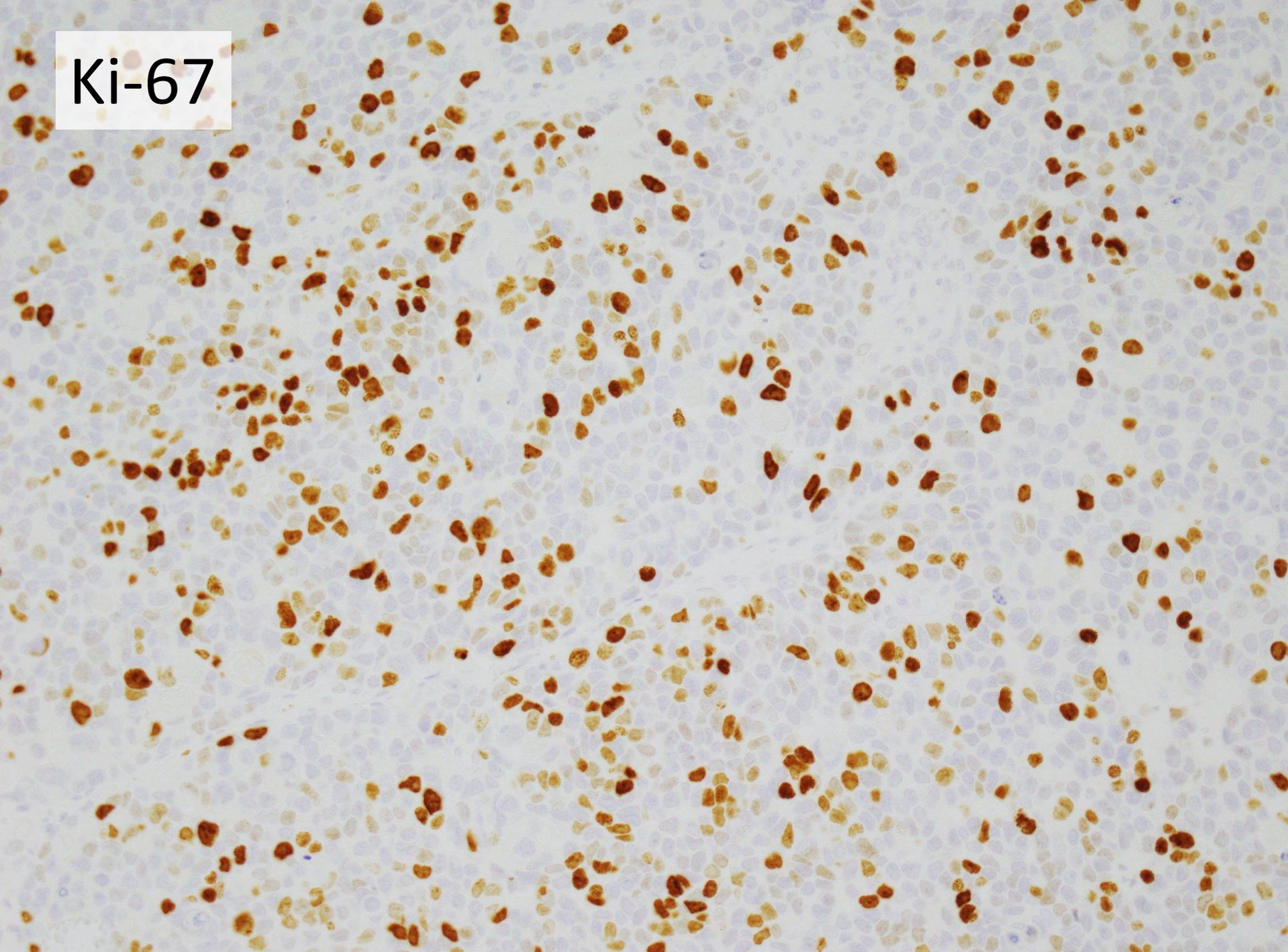
**Ber-EP4**

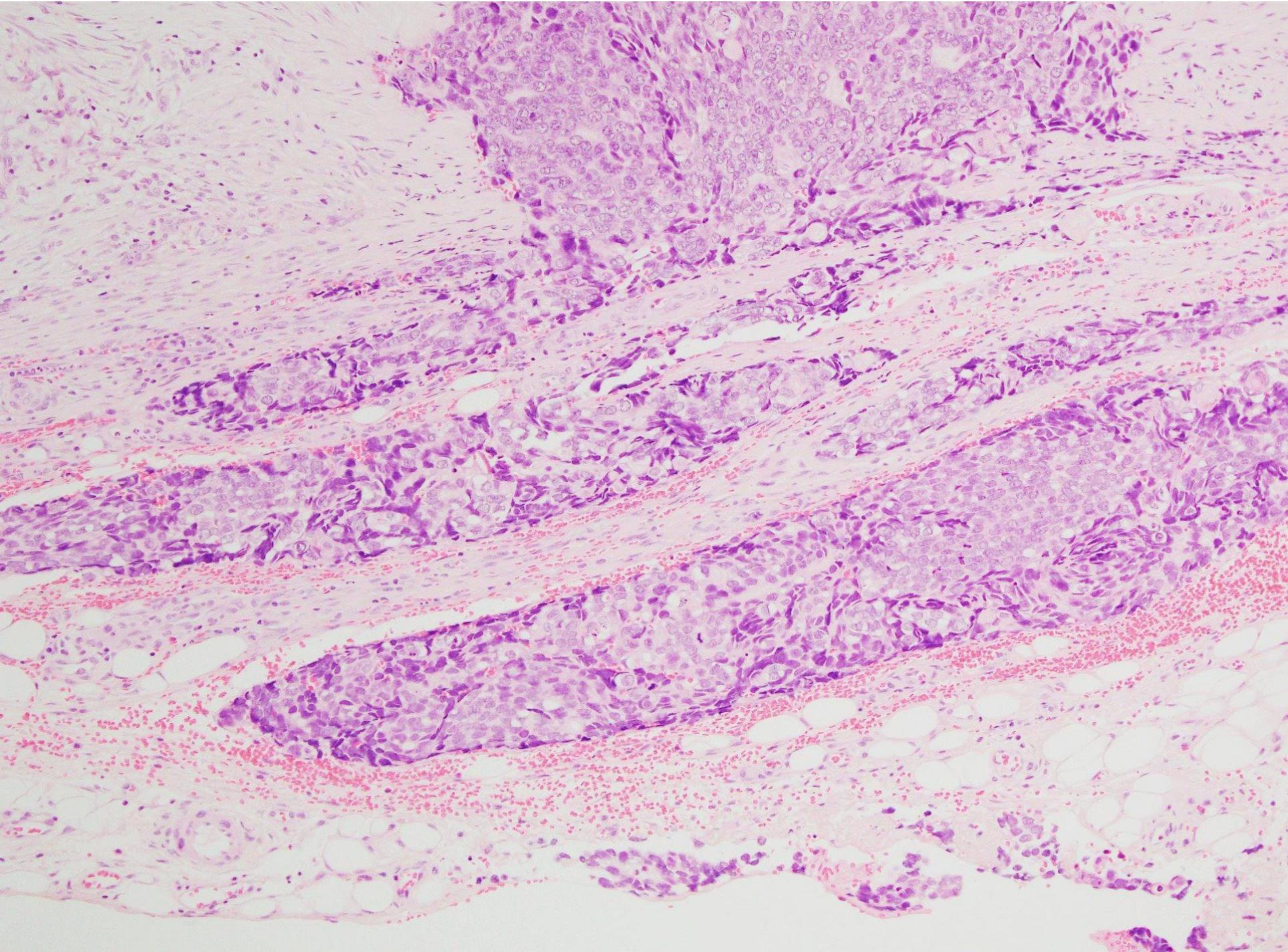


**HMB45**

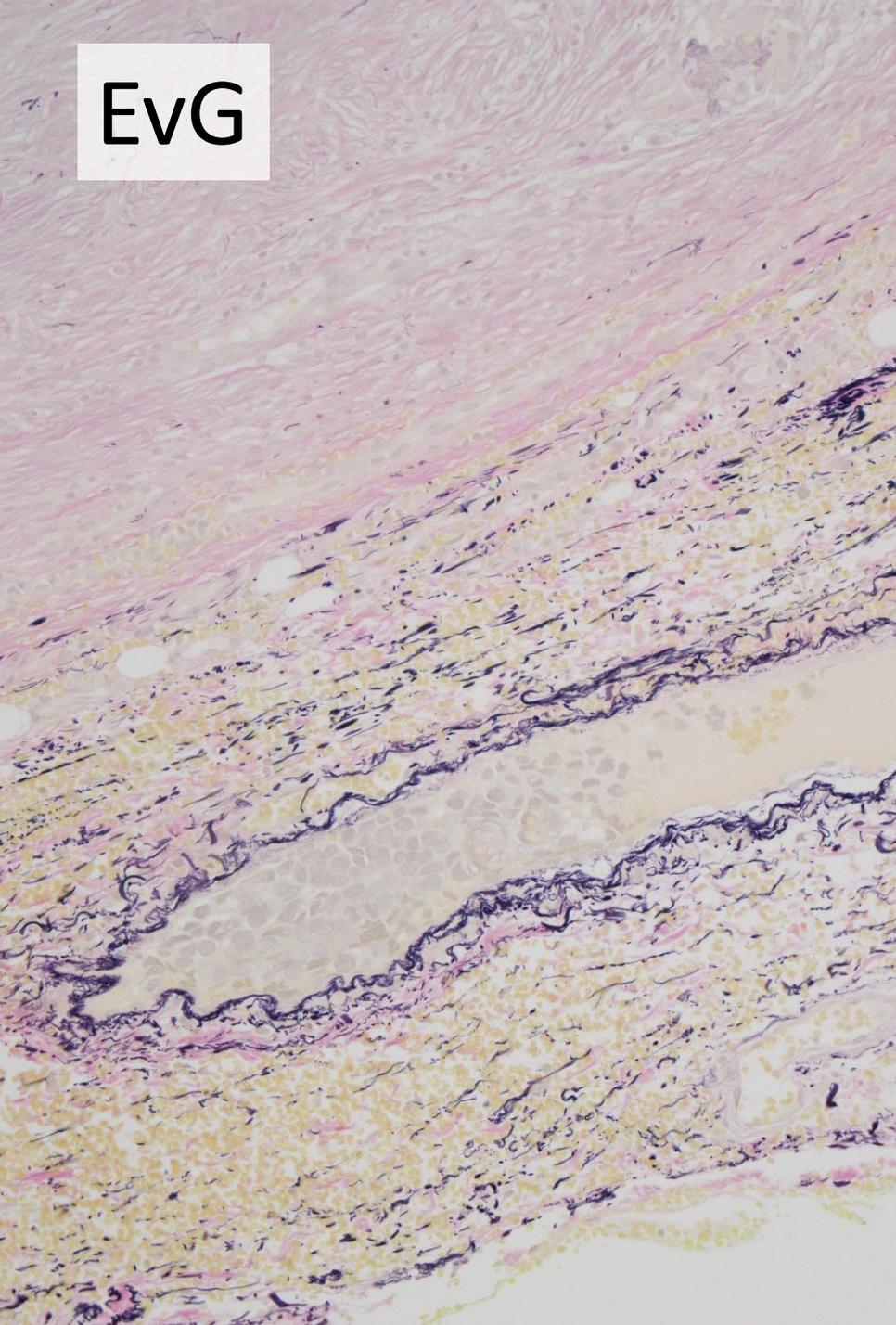


Ki-67

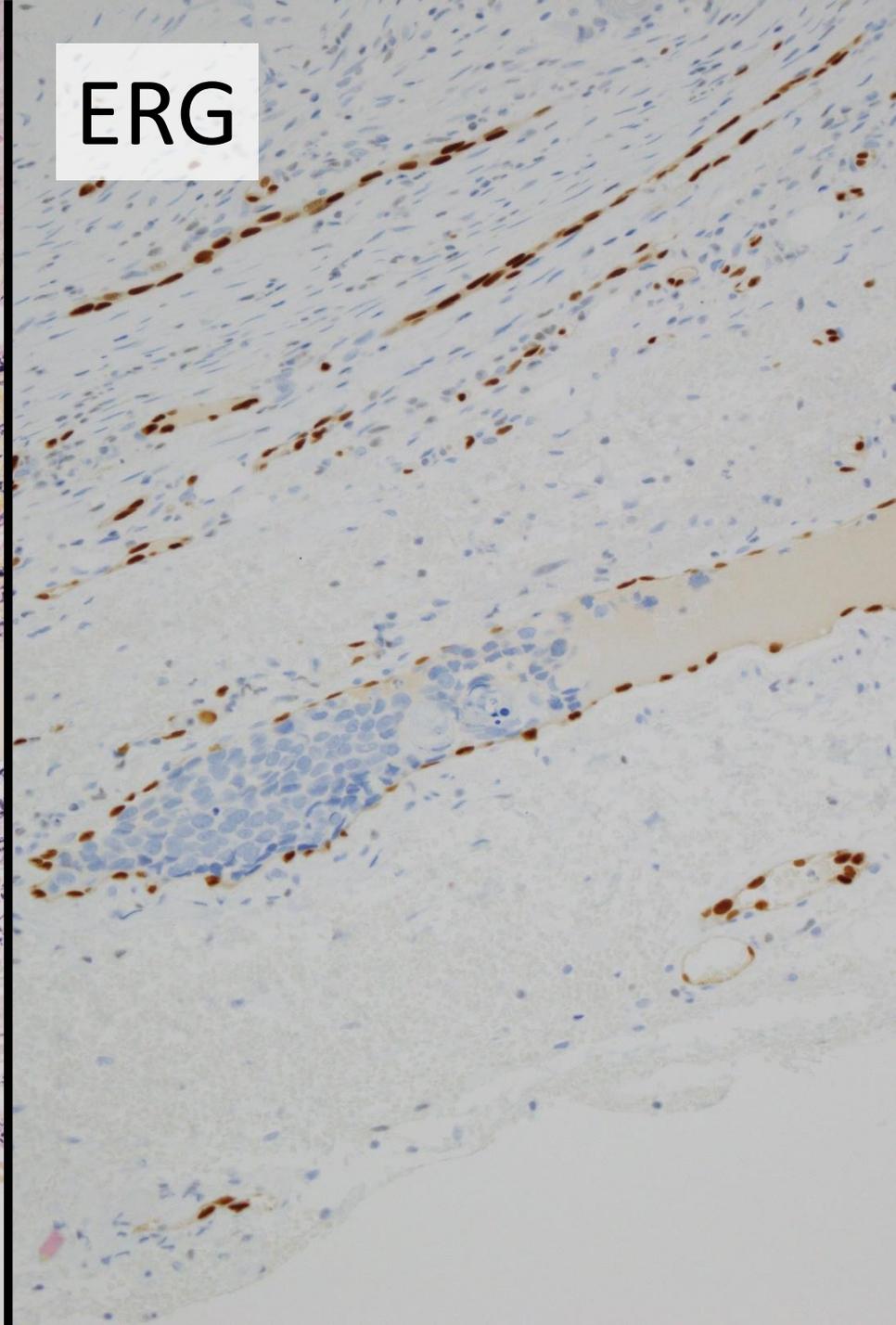




EvG



ERG



**【最終診断】**

**Pilomatrical carcinoma**

# Pilomatrical carcinoma

## 【概念】

- 毛母分化を示す悪性腫瘍
- 多くの症例で背景に良性の毛母腫はない

## 【臨床的事項】

- 良性のpilomatricomaに比べて高齢者に多い
- 顔面や頸部に最も多い。

# Pilomatrical carcinoma

## 【組織像】

- 毛母細胞や上毛母細胞から陰影細胞 (shadow cell)への移行像
- 左右非対称性で、周囲組織との境界は不整。
- 塊状壊死(necrosis en masse)を伴う
- 脈管侵襲像も良悪の判定基準となり得る。

## 【免疫組織化学的所見】

- $\beta$ -cateninの核内発現
- Ber-EP4陰性

DOI: 10.1111/cup.13110

ORIGINAL ARTICLE

# CDX2 and LEF-1 expression in pilomatrical tumors and their utility in the diagnosis of pilomatrical carcinoma

Katherine Tumminello<sup>1,2</sup> | Gregory A. Hosler<sup>2,3,4</sup> 

- Wnt signaling pathwayがpilomatrical tumorの発生に重要。
- CDX2およびLEF-1もマーカーとなりうる。

Antigen	Positive	Sensitivity (%)	Specificity (%)	P value
CDX2				
Pilomatrical carcinomas	11/12	92	100	<0.0001
Pilomatricomas	9/12	75	100	<0.0001
Non-pilomatrical tumors	0/18			
β-Catenin (nuclear)				
Pilomatrical carcinomas	10/12	83	94	<0.0001
Pilomatricomas	12/12	100	94	<0.0001
Non-pilomatrical tumors	1/18			
LEF-1 (any) <sup>a</sup>				
Pilomatrical carcinomas	12/12	100	56 <sup>a</sup>	0.002
Pilomatricomas	12/12	100	56 <sup>a</sup>	0.002
Non-pilomatrical tumors	8/18 <sup>a</sup>			

➤ [Am J Dermatopathol. 2021 Feb 1;43\(2\):146-148. doi: 10.1097/DAD.0000000000001760.](#)

# Pilomatrical Tumor of Low Malignant Potential: A Tumor Between Pilomatricoma and Pilomatrical Carcinoma

[Guido Collina](#)<sup>1</sup>, [Alessandra Filosa](#), [Luis Requena](#)

Affiliations [+](#) expand

PMID: 32769547 DOI: [10.1097/DAD.0000000000001760](#)