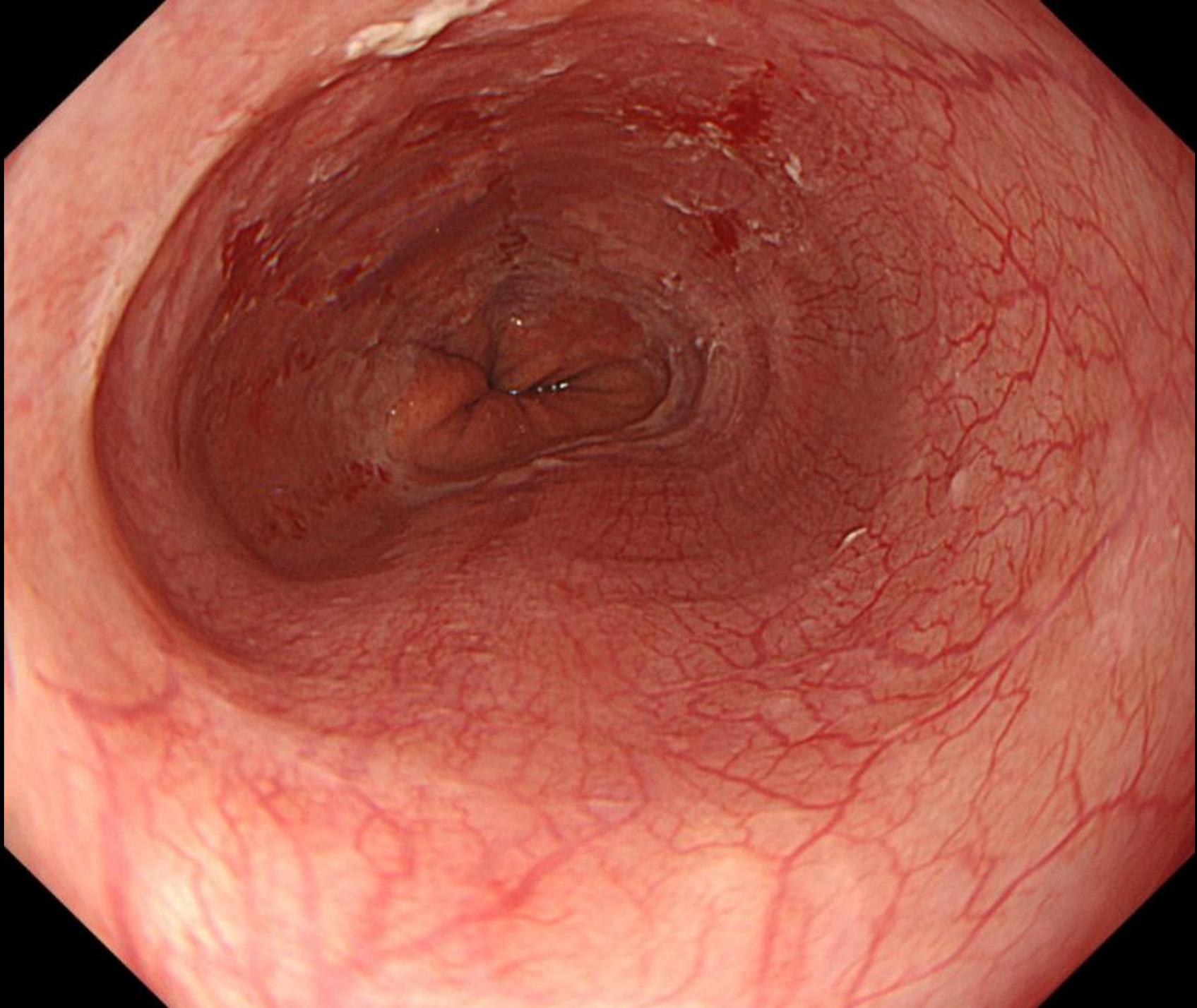


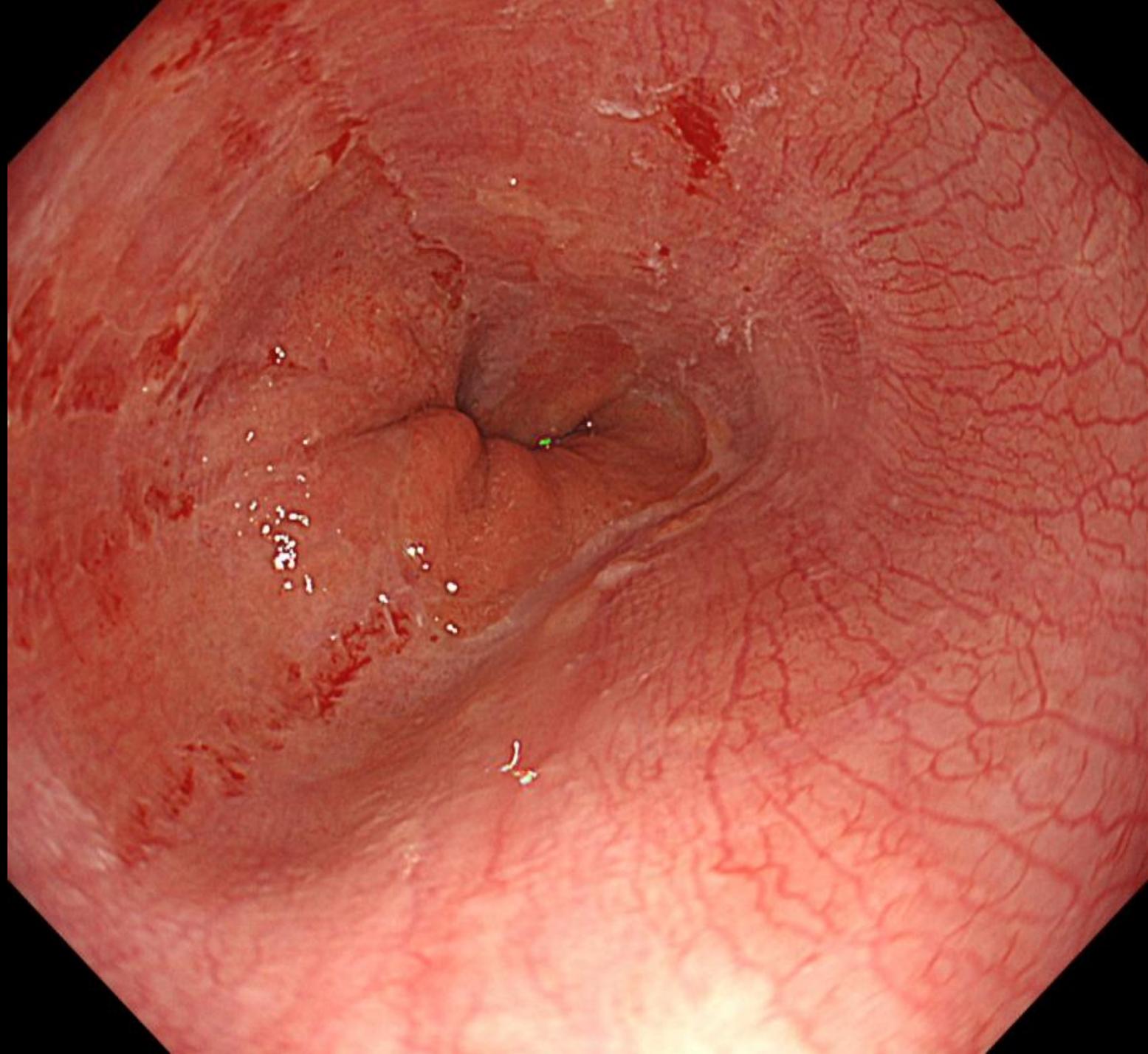
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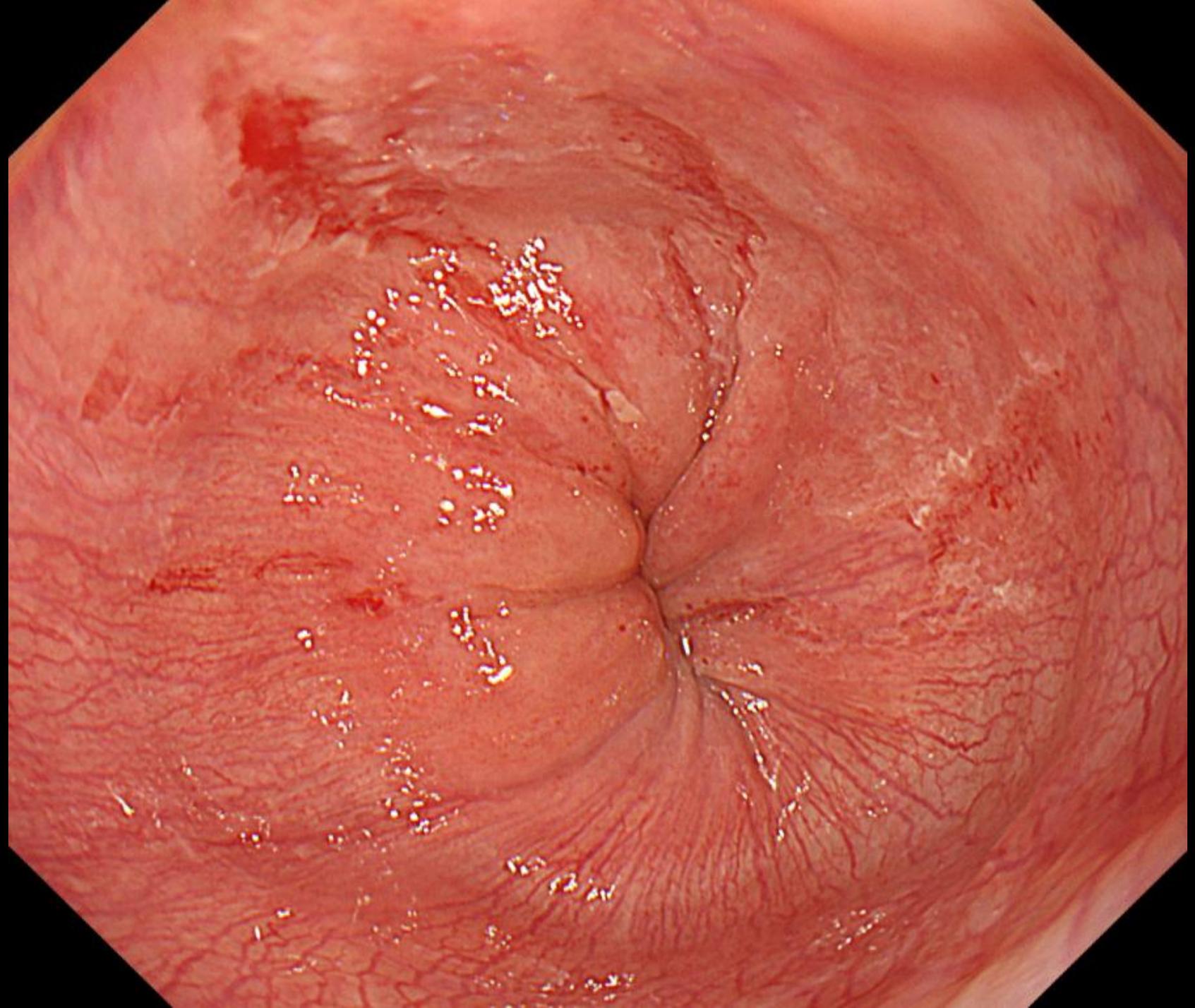
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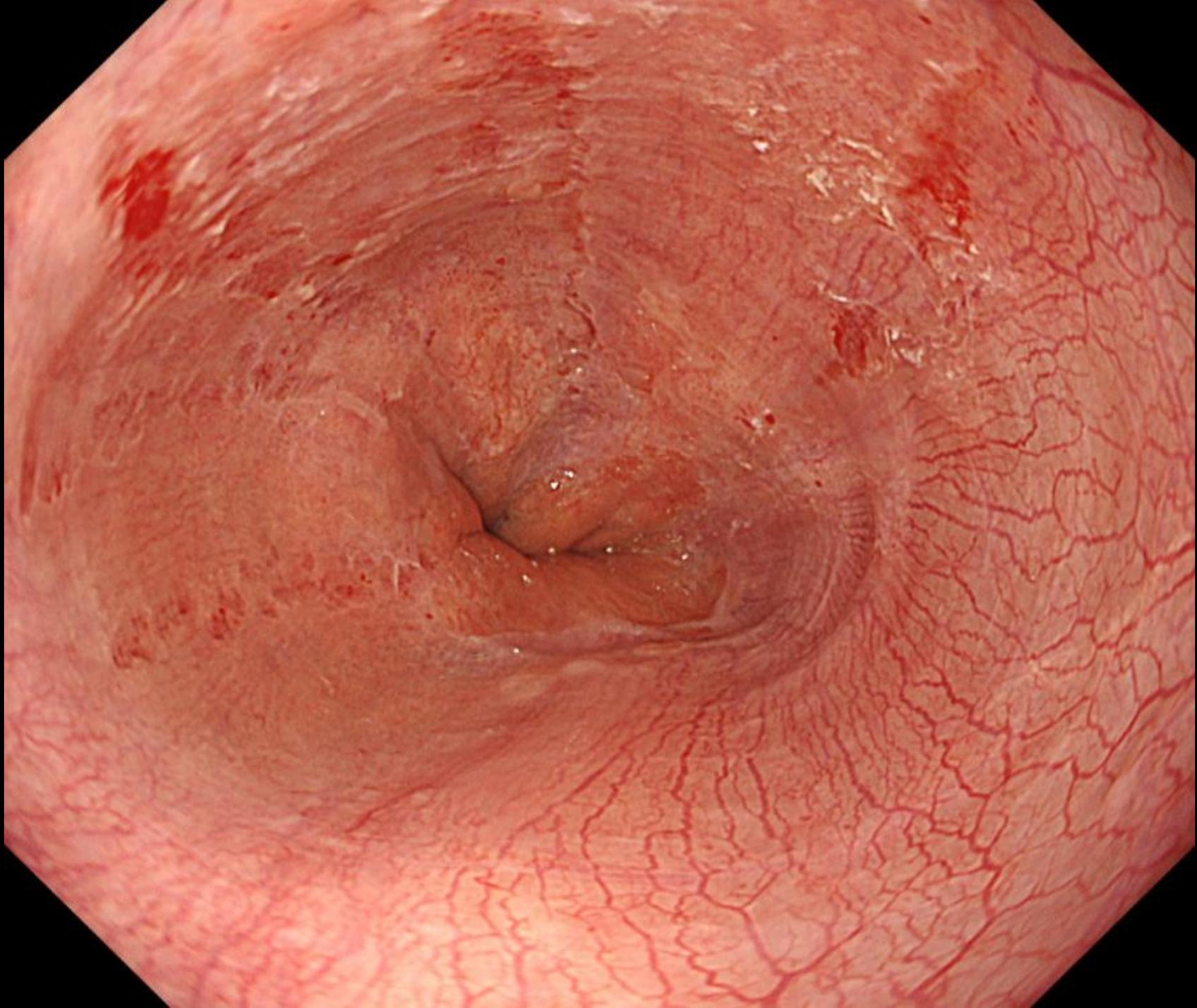
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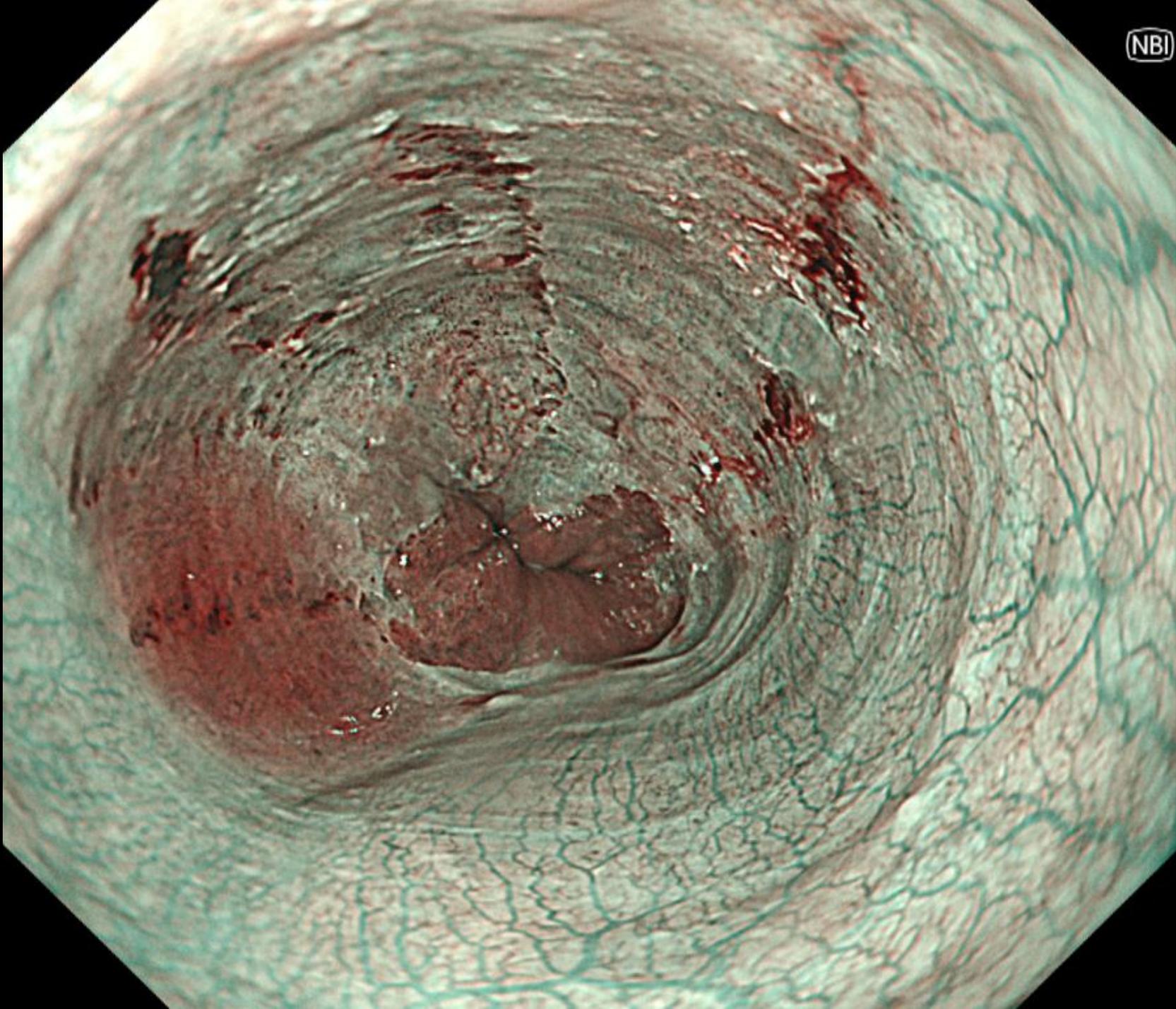


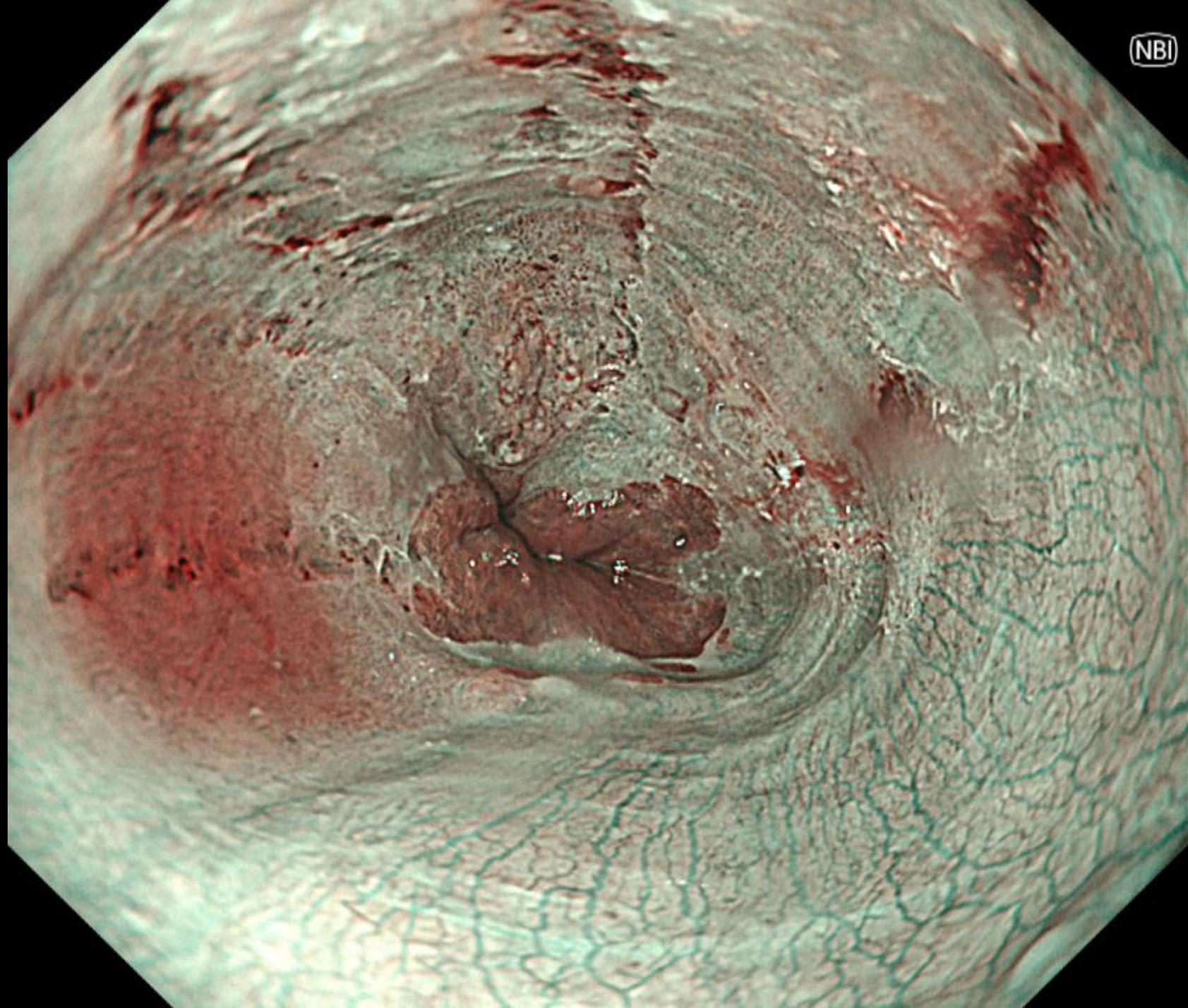


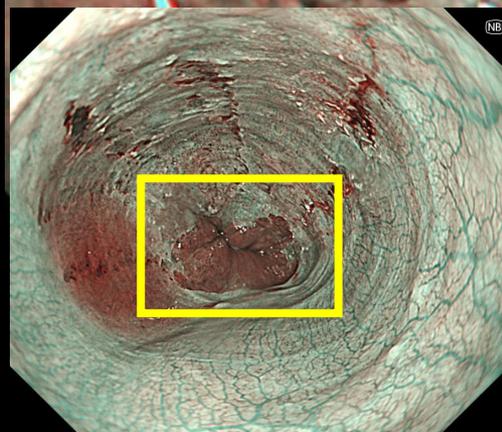
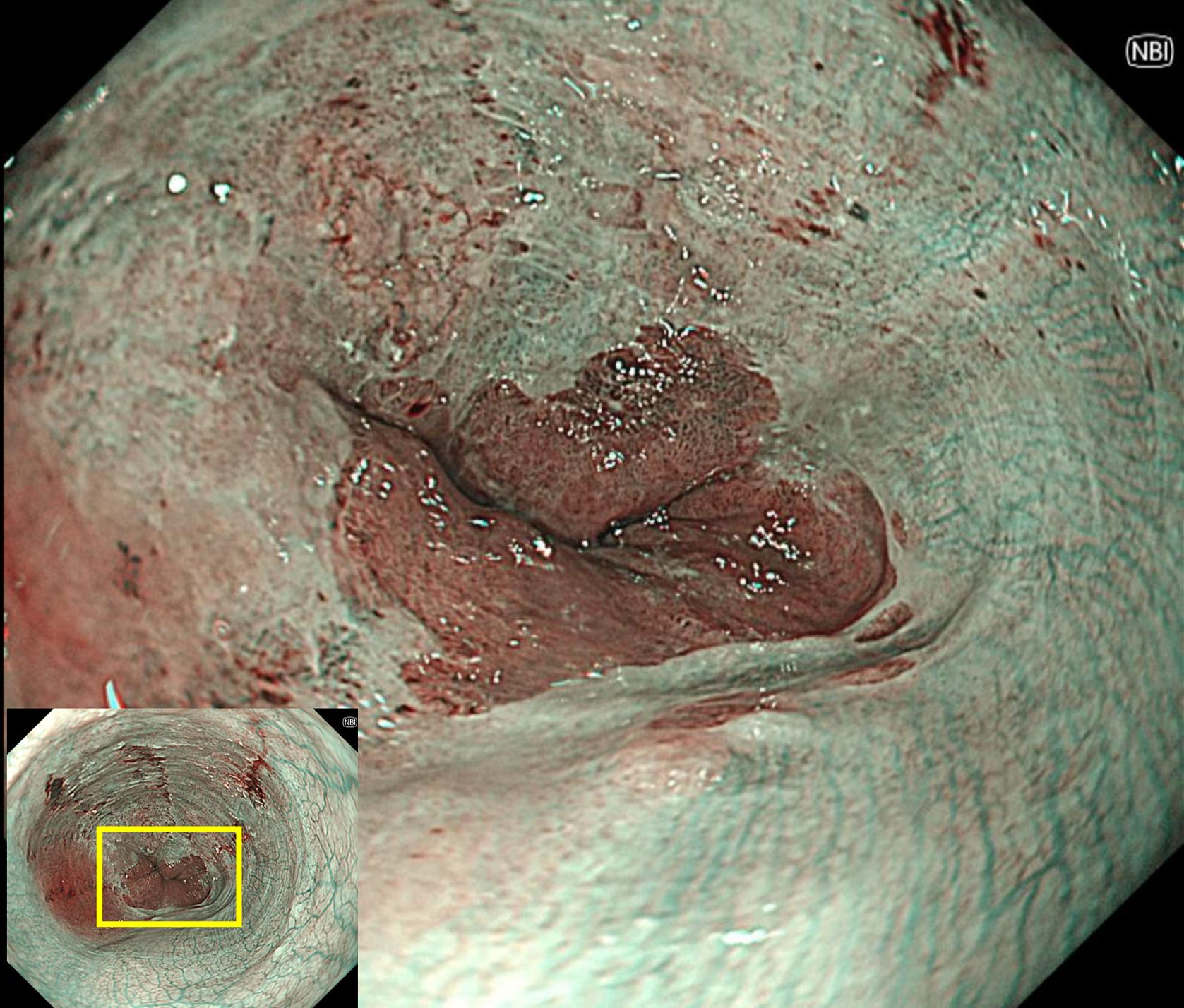




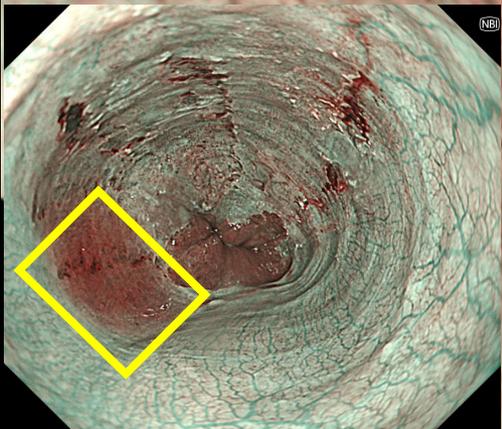
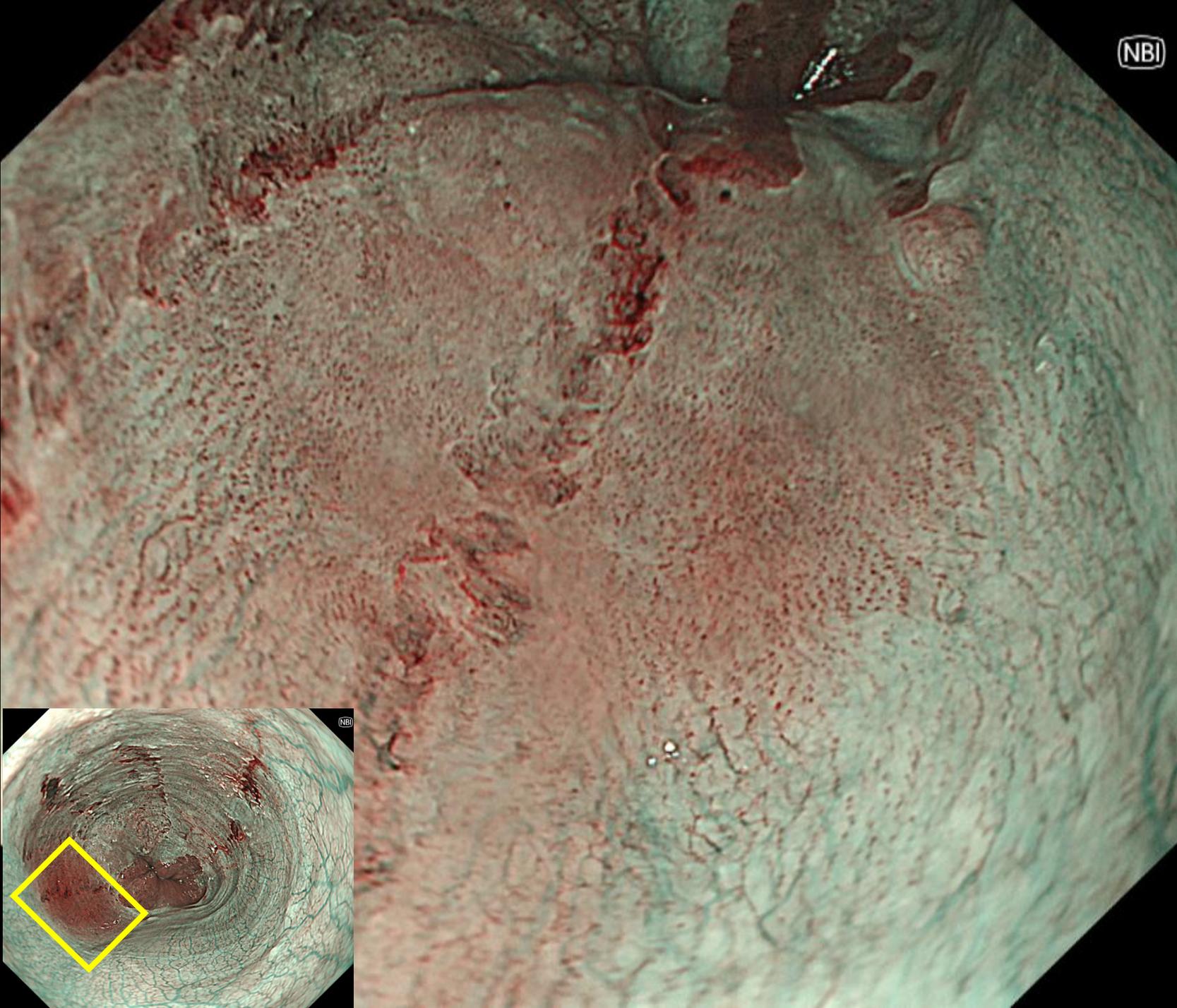
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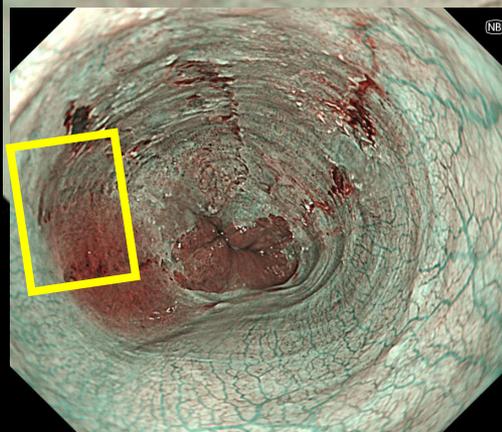
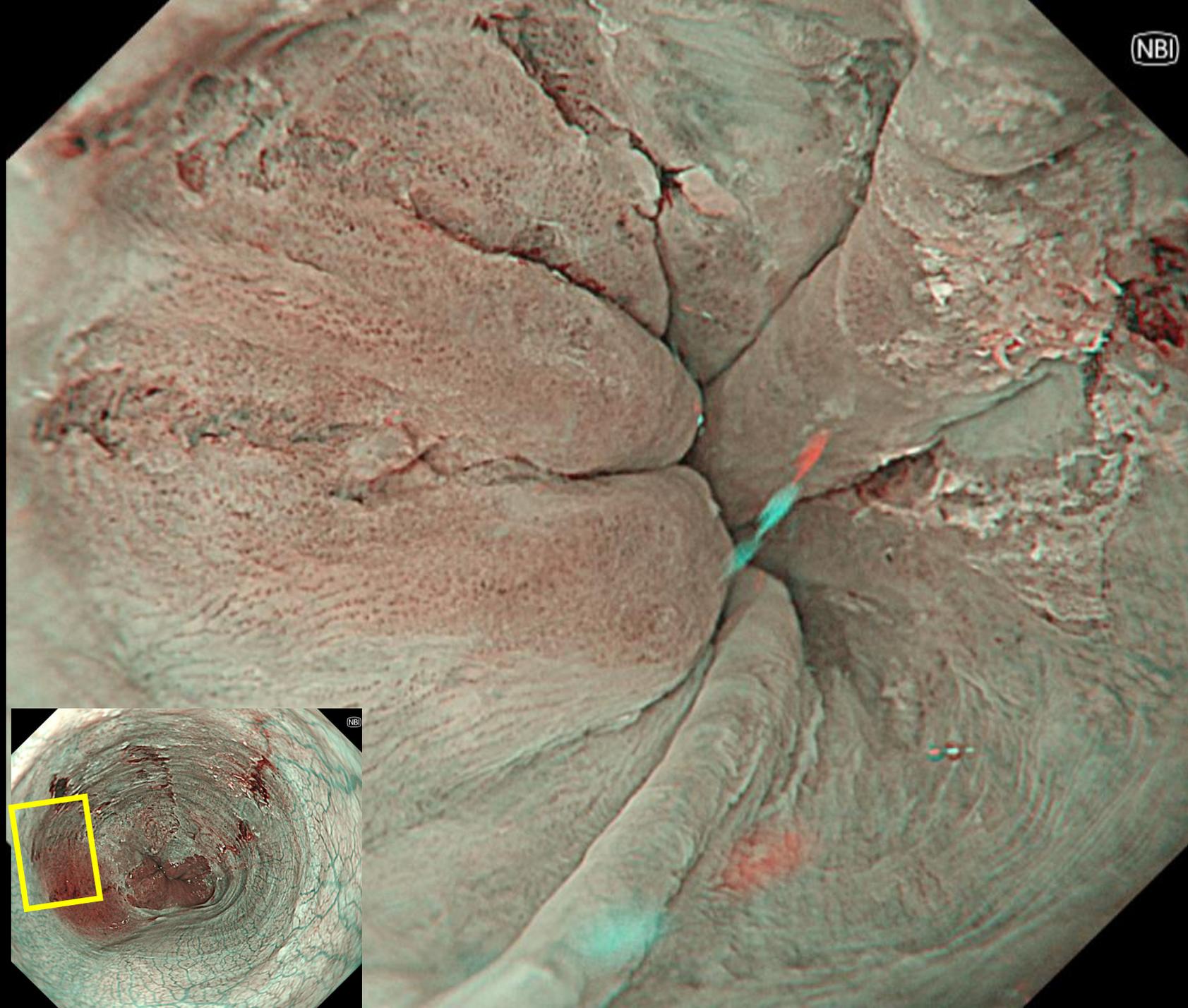


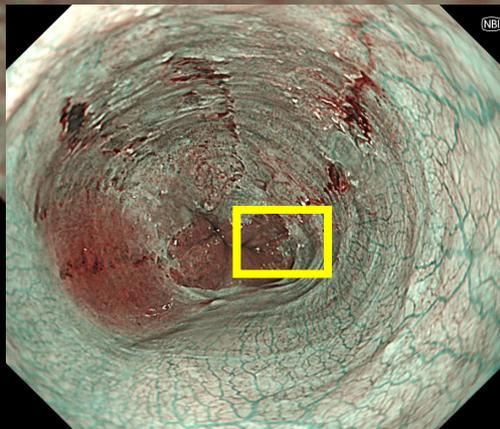
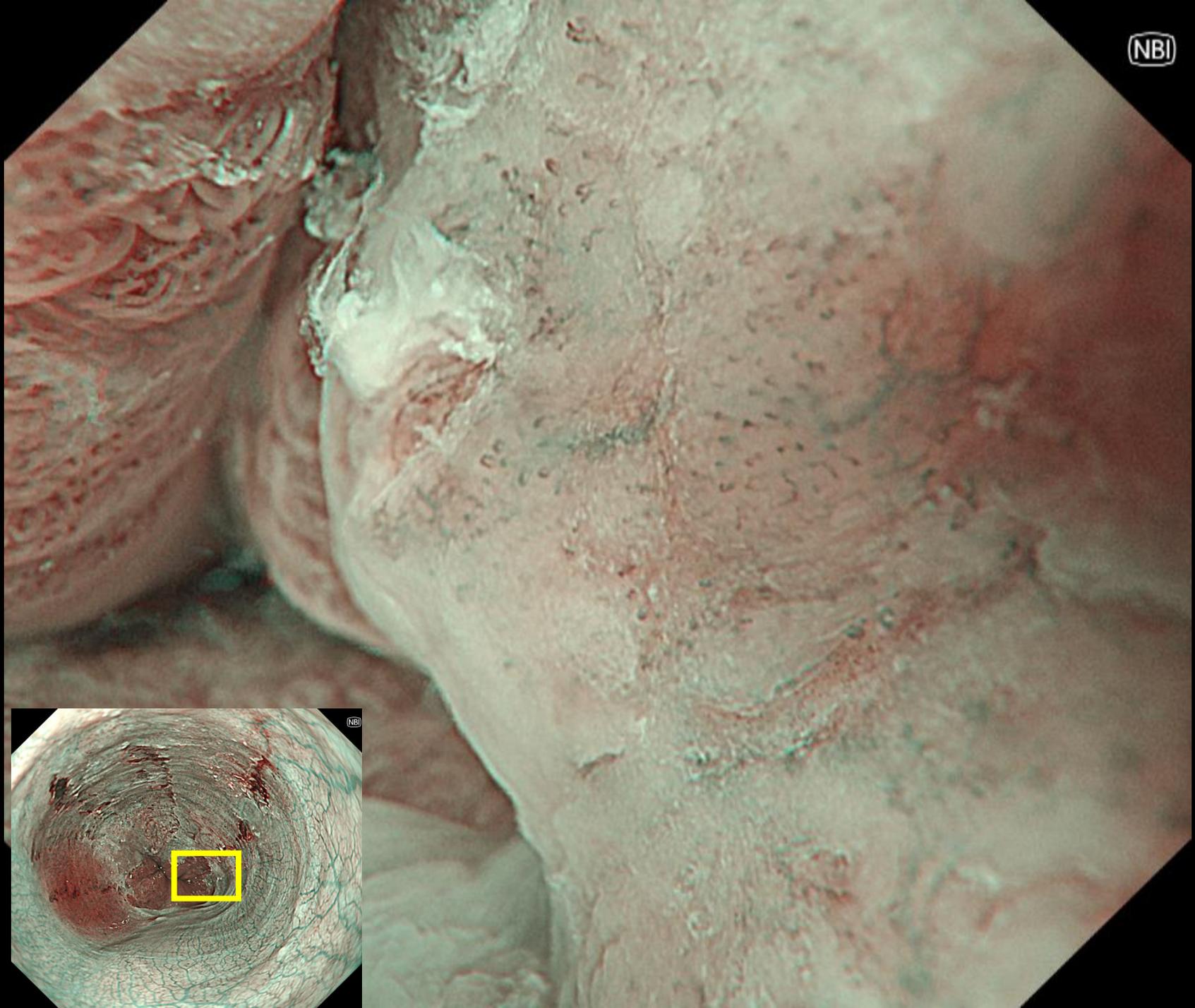


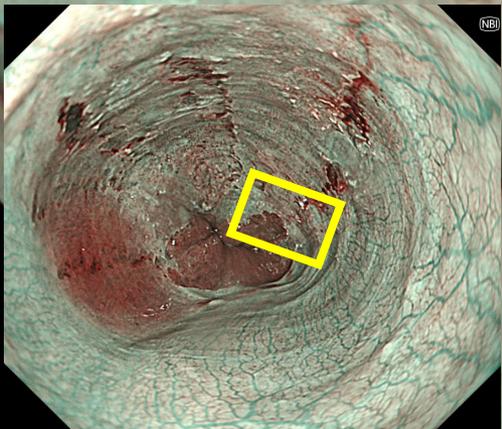
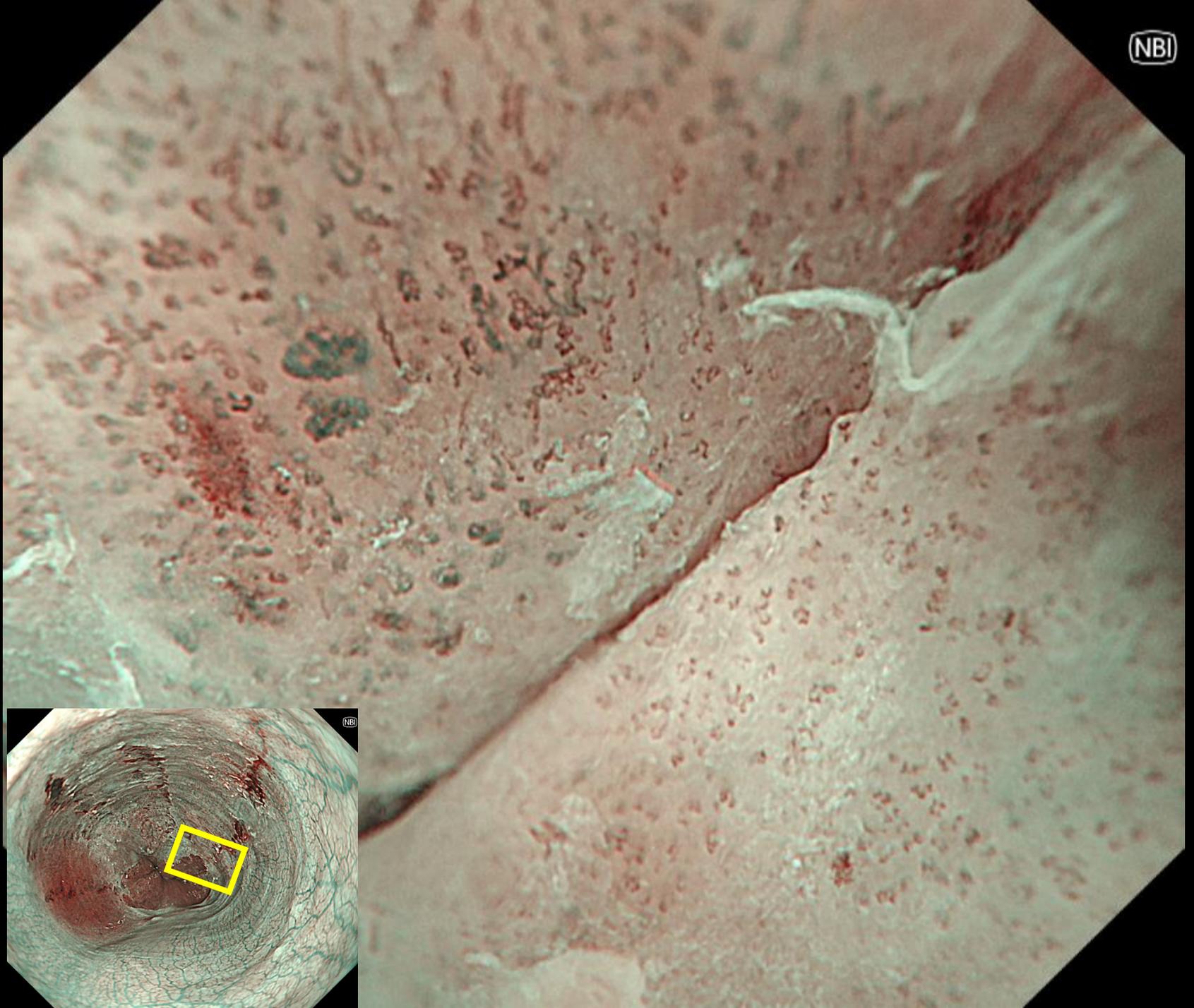
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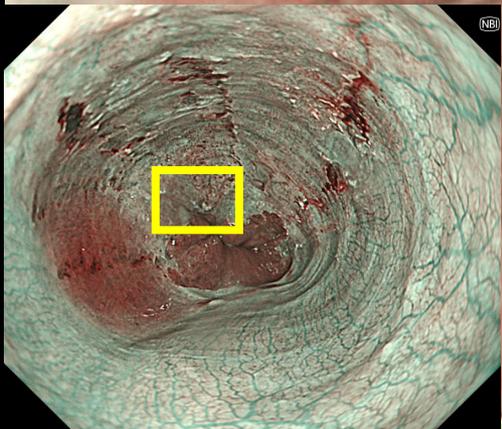
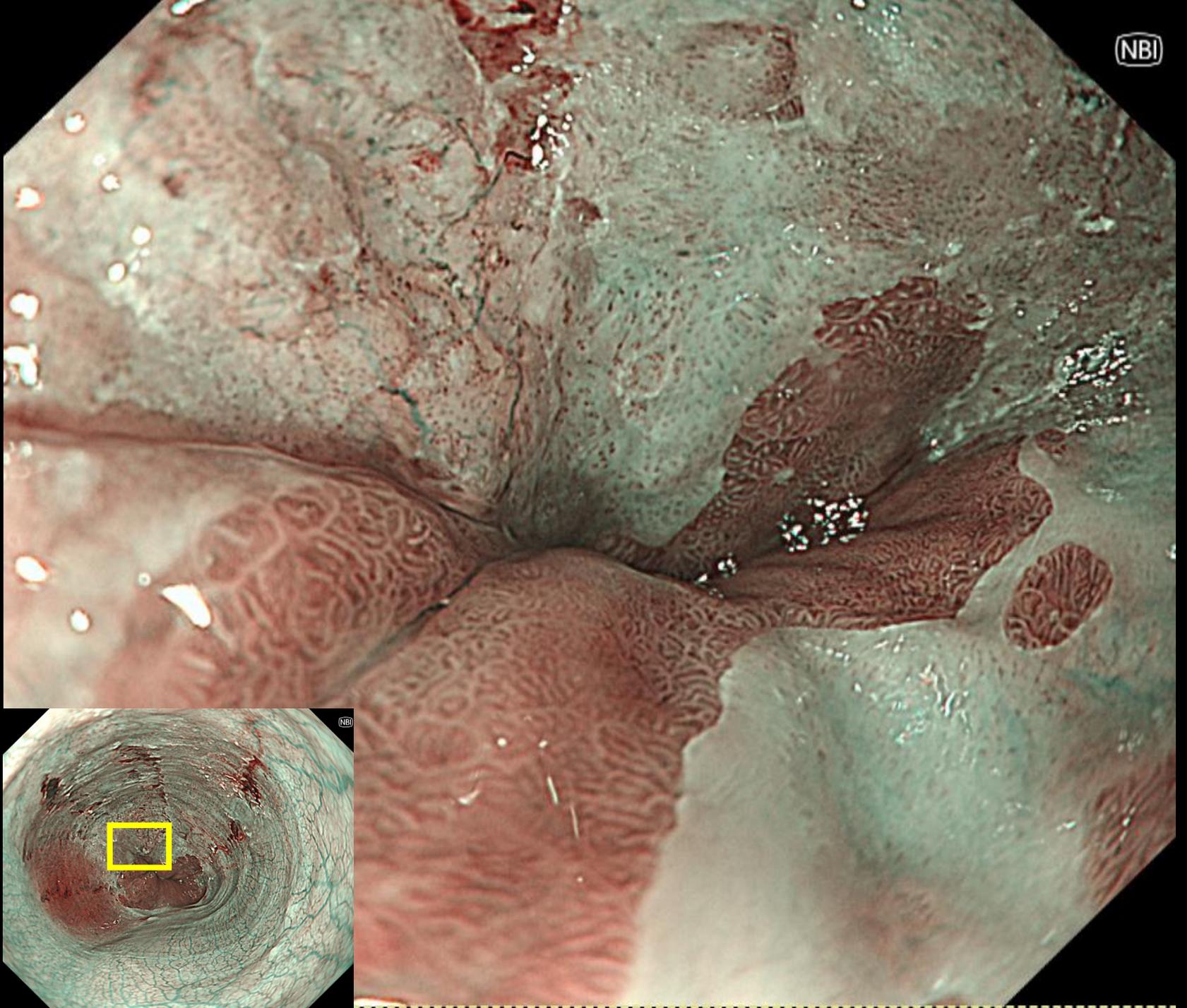


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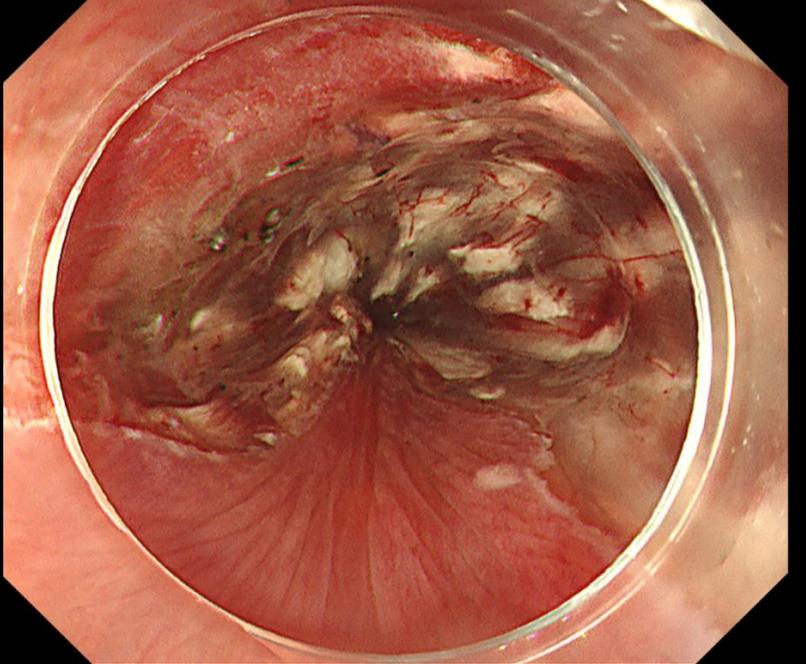
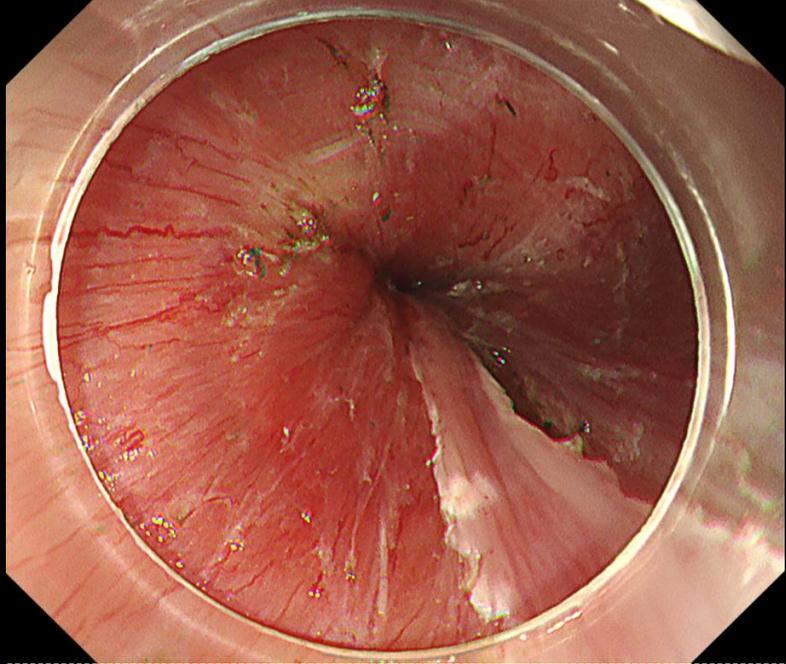
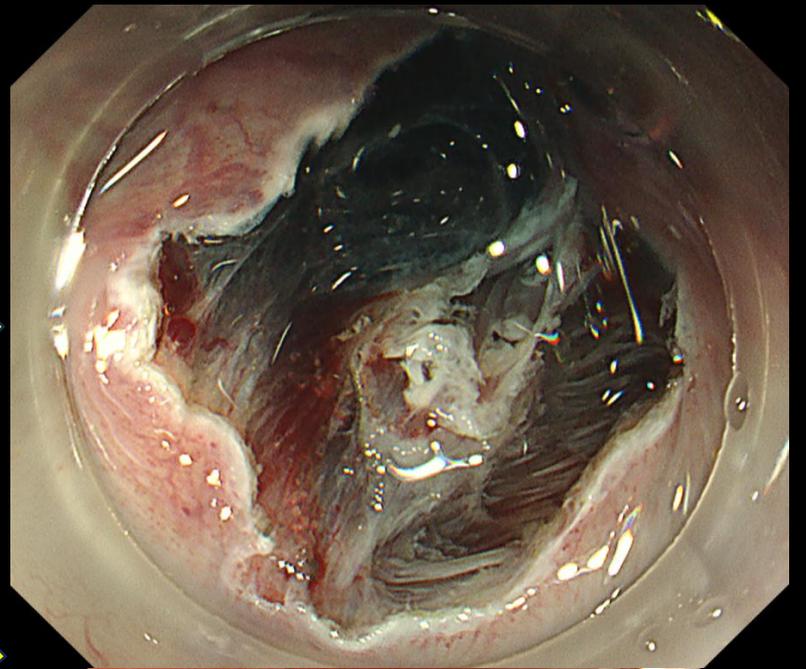
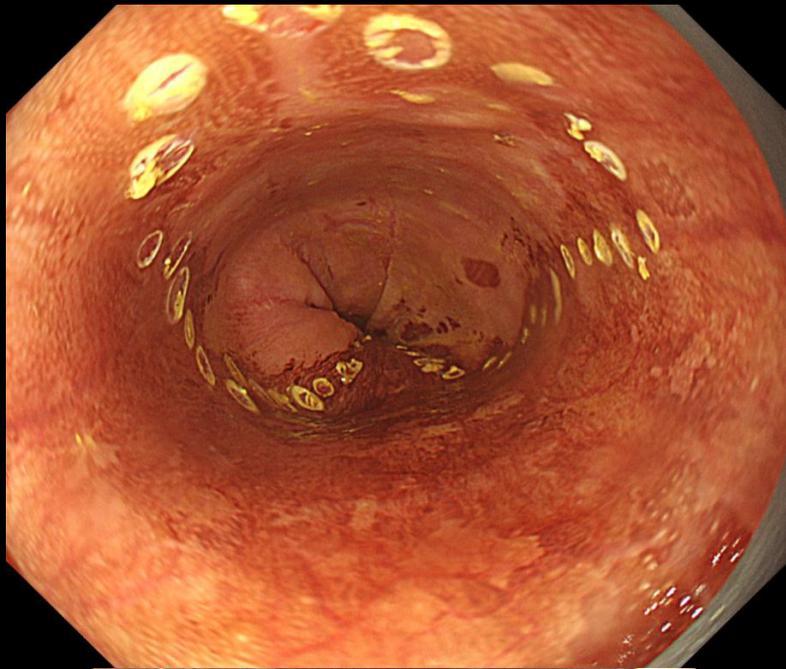


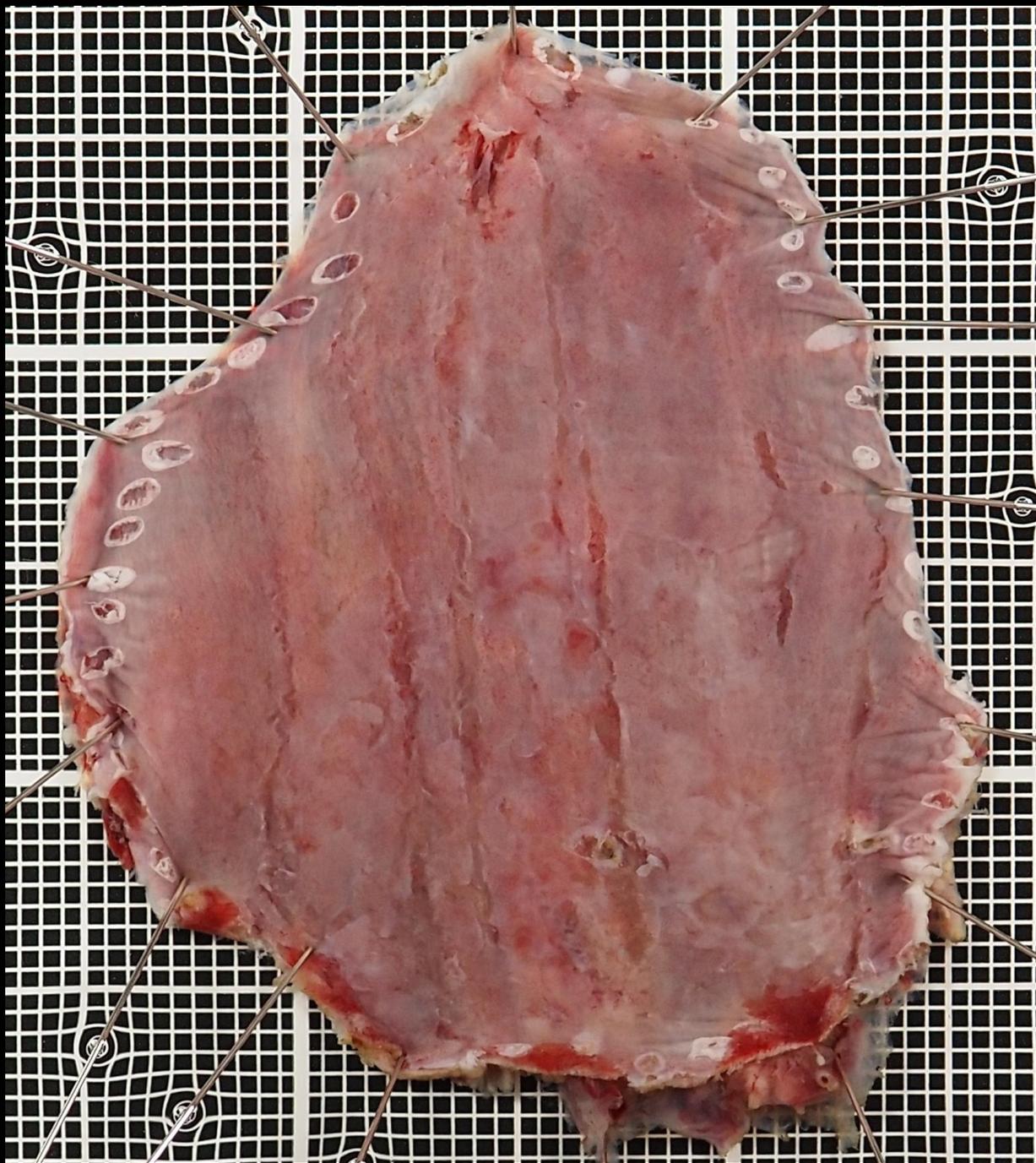
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40mm, 3/4周性, 0- II b  
type B1, AVA small  
深達度 : EP/LPM

ESD適応病変と診断

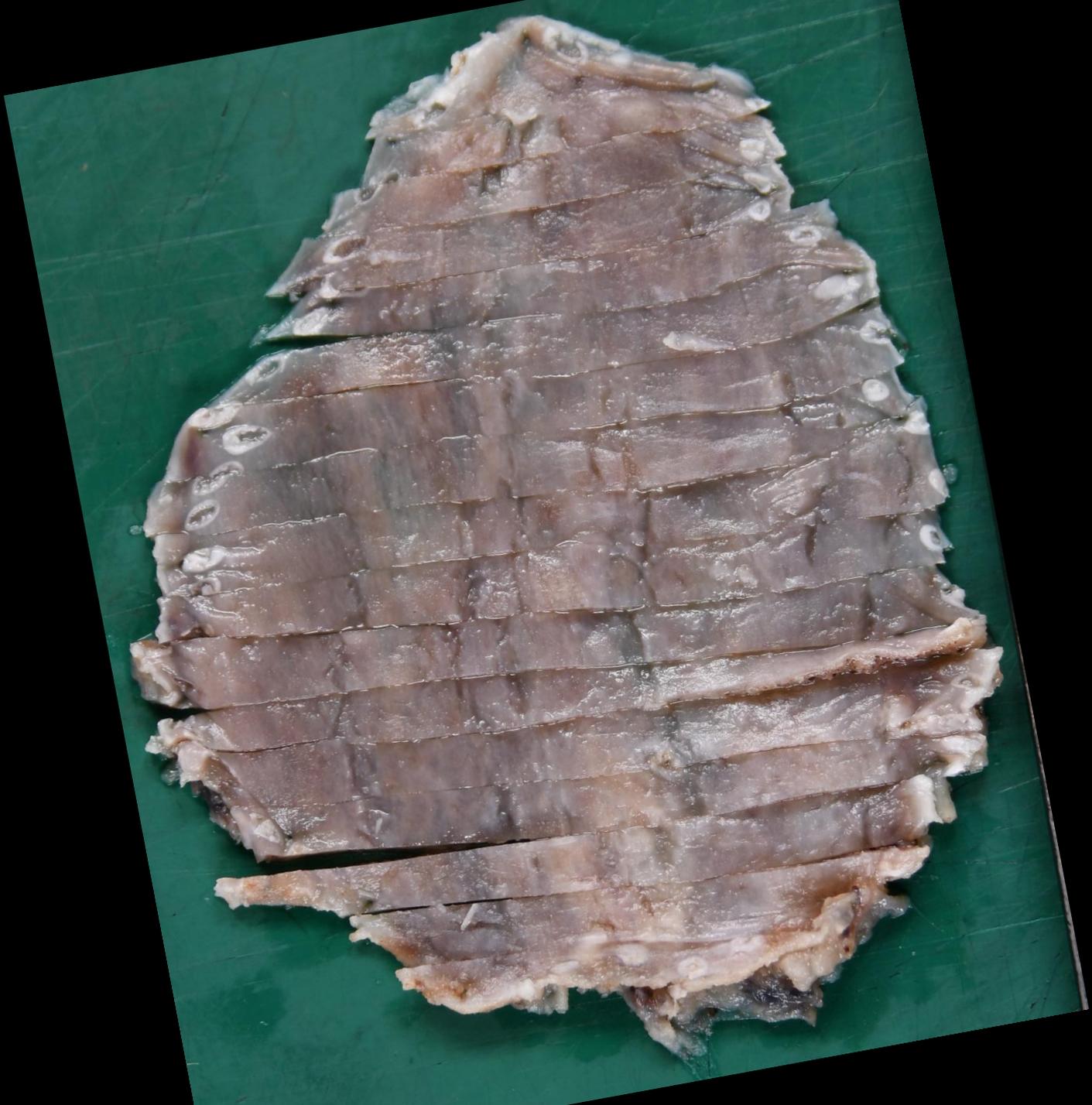
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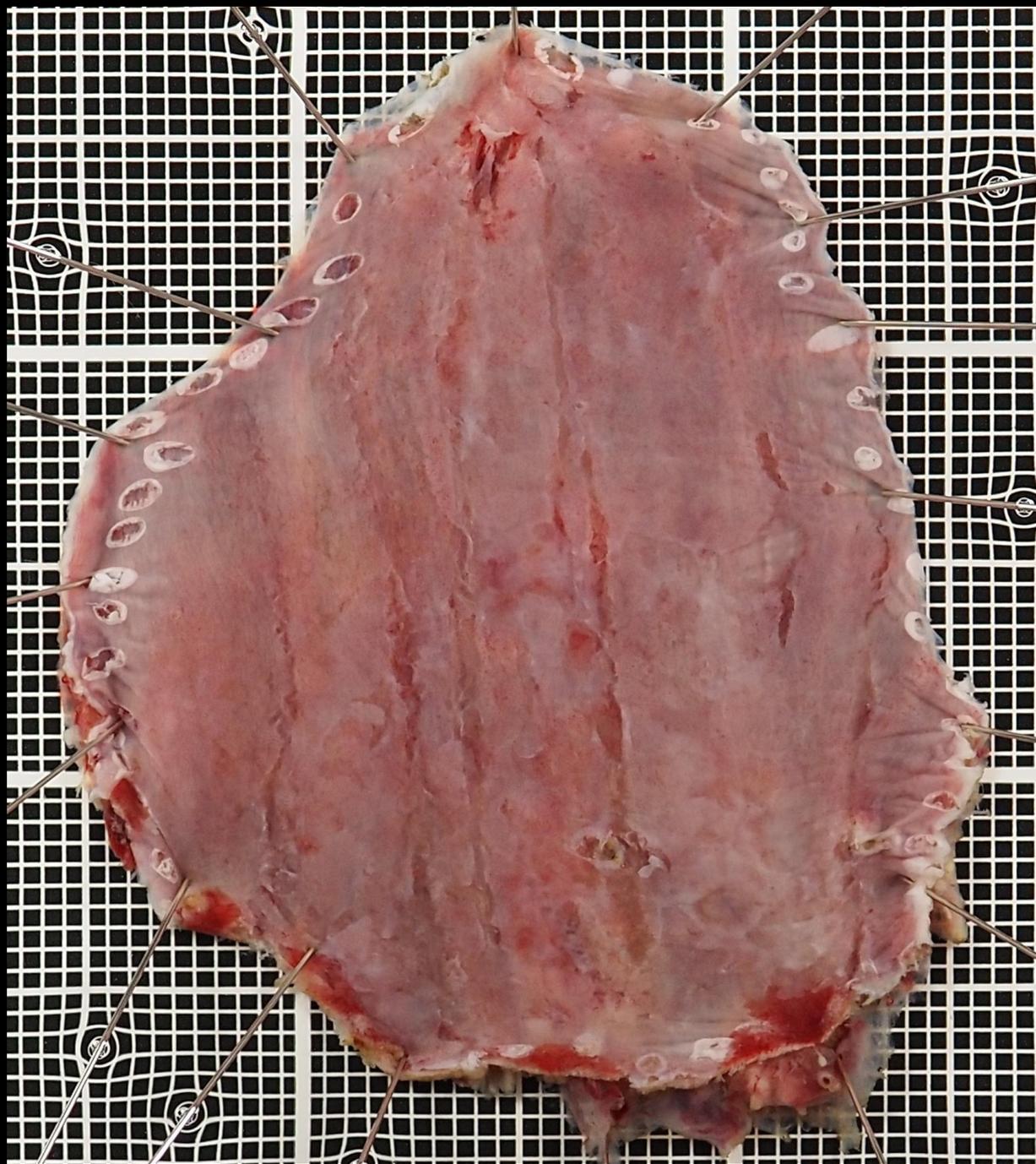
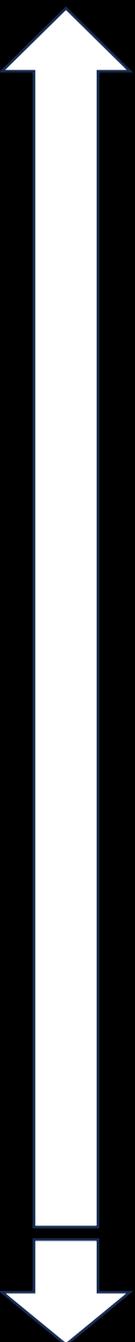




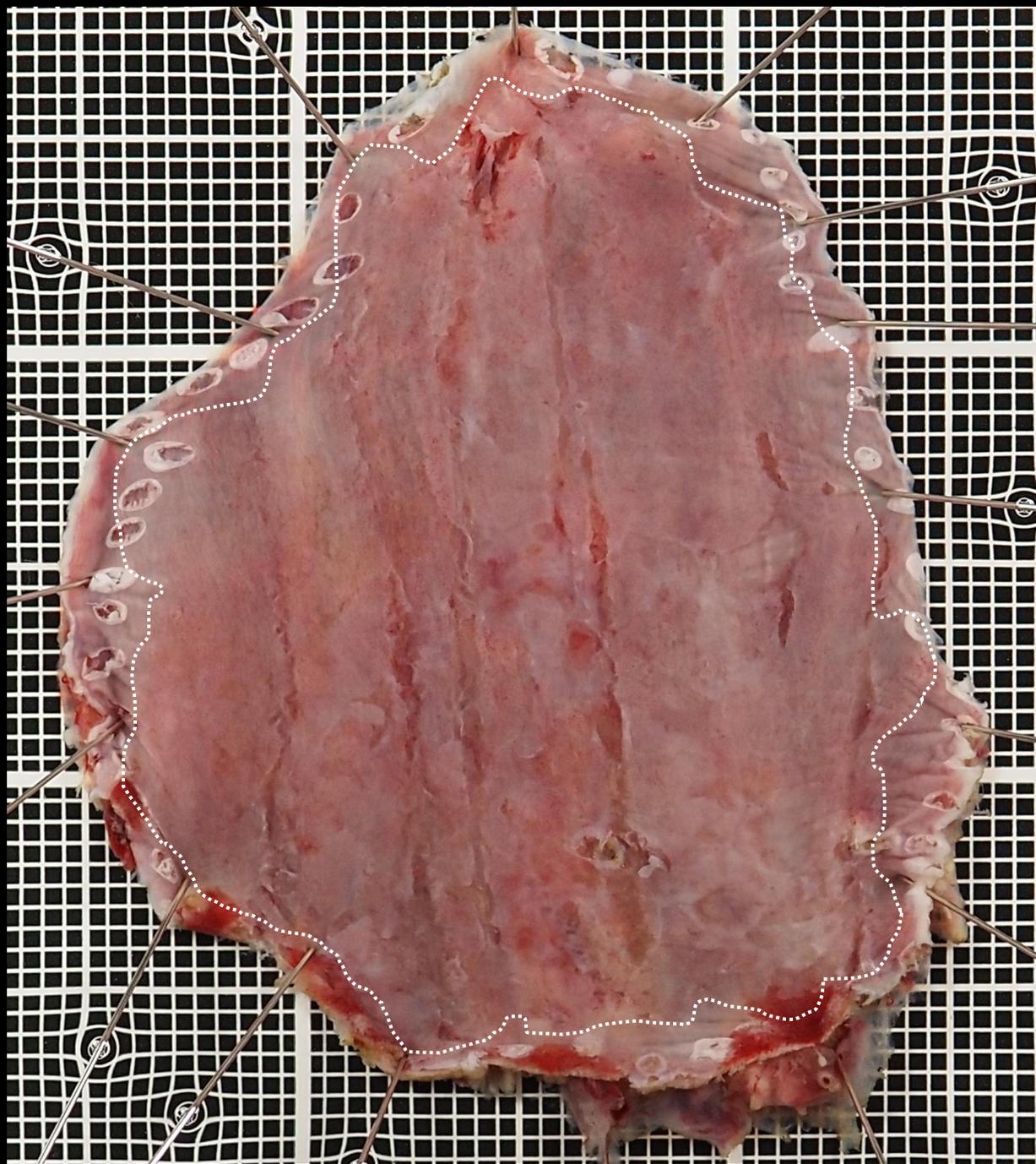
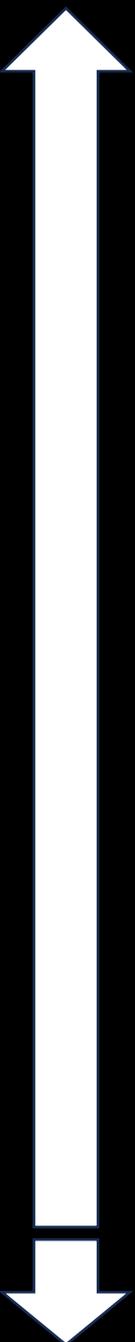




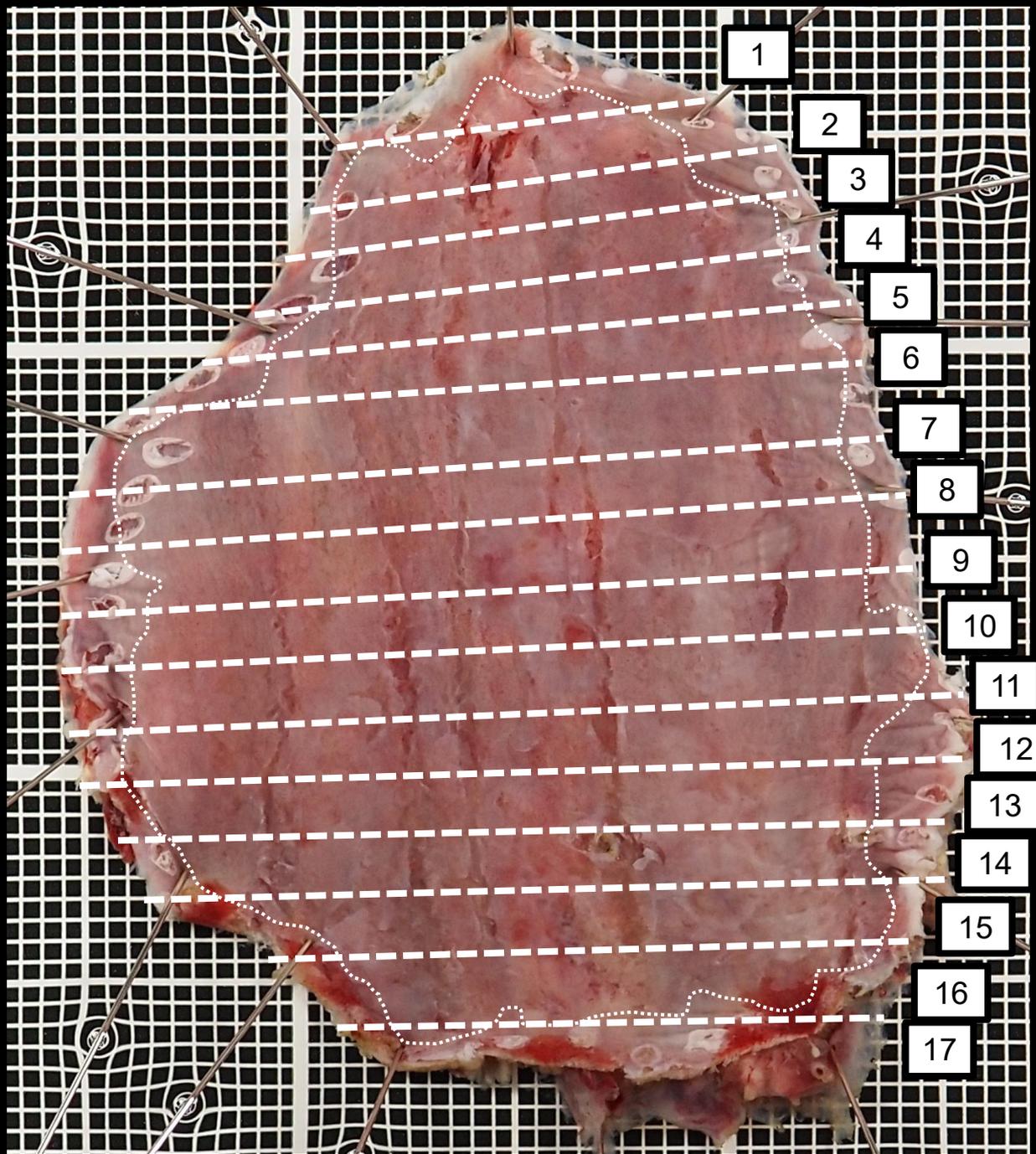
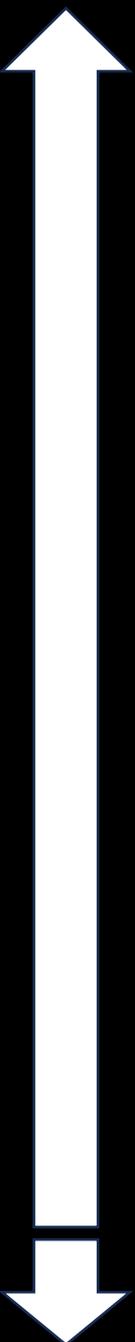
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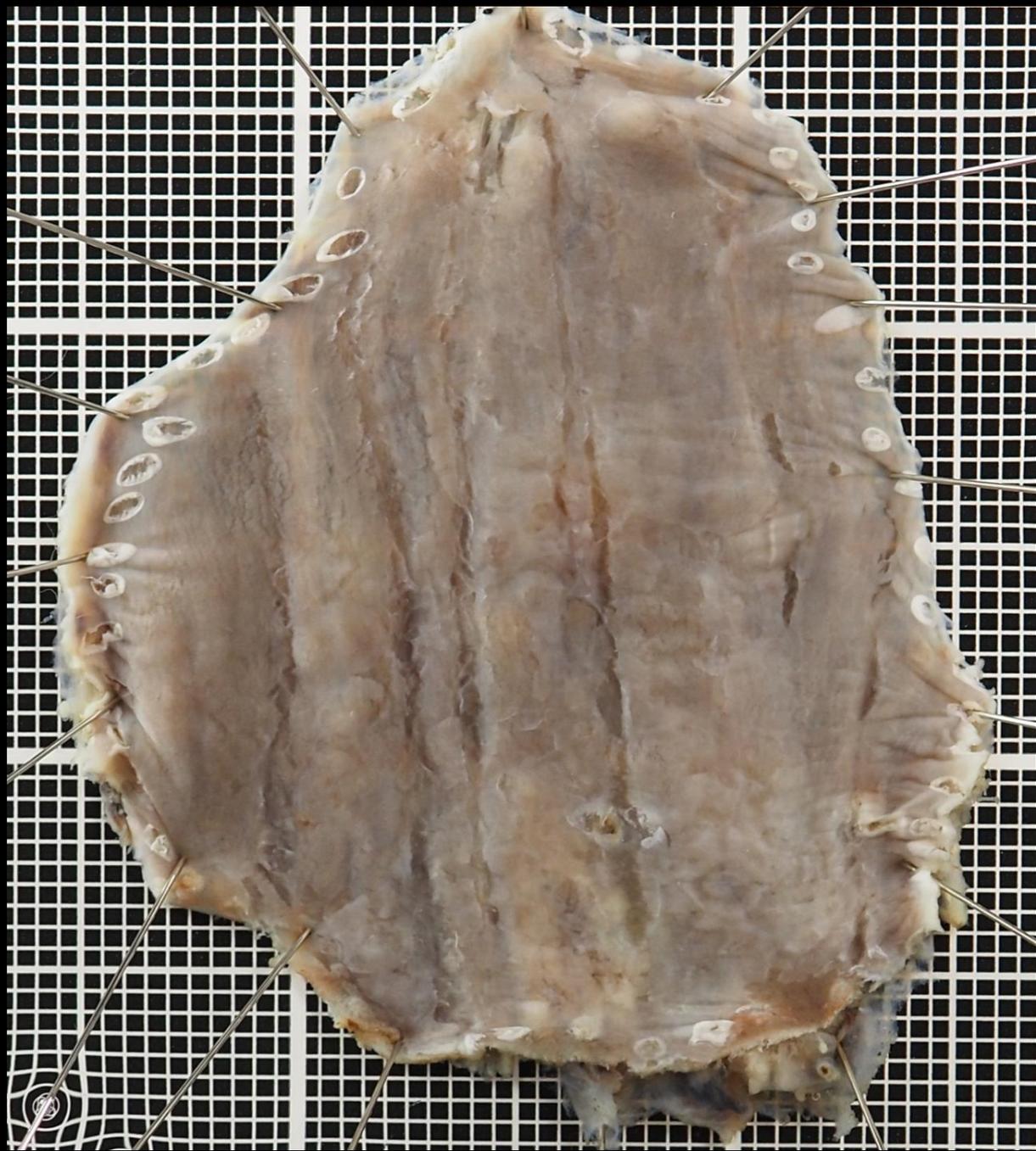
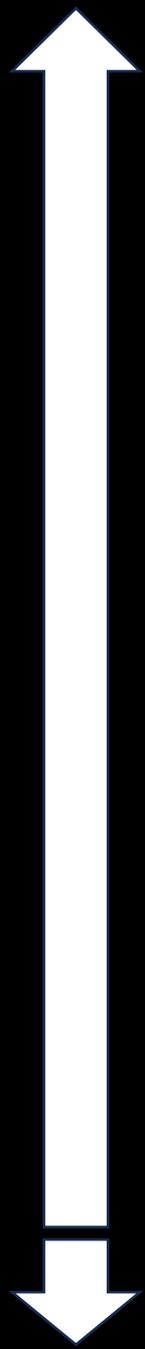
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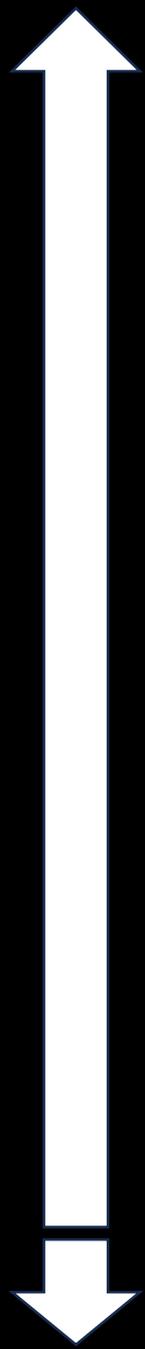
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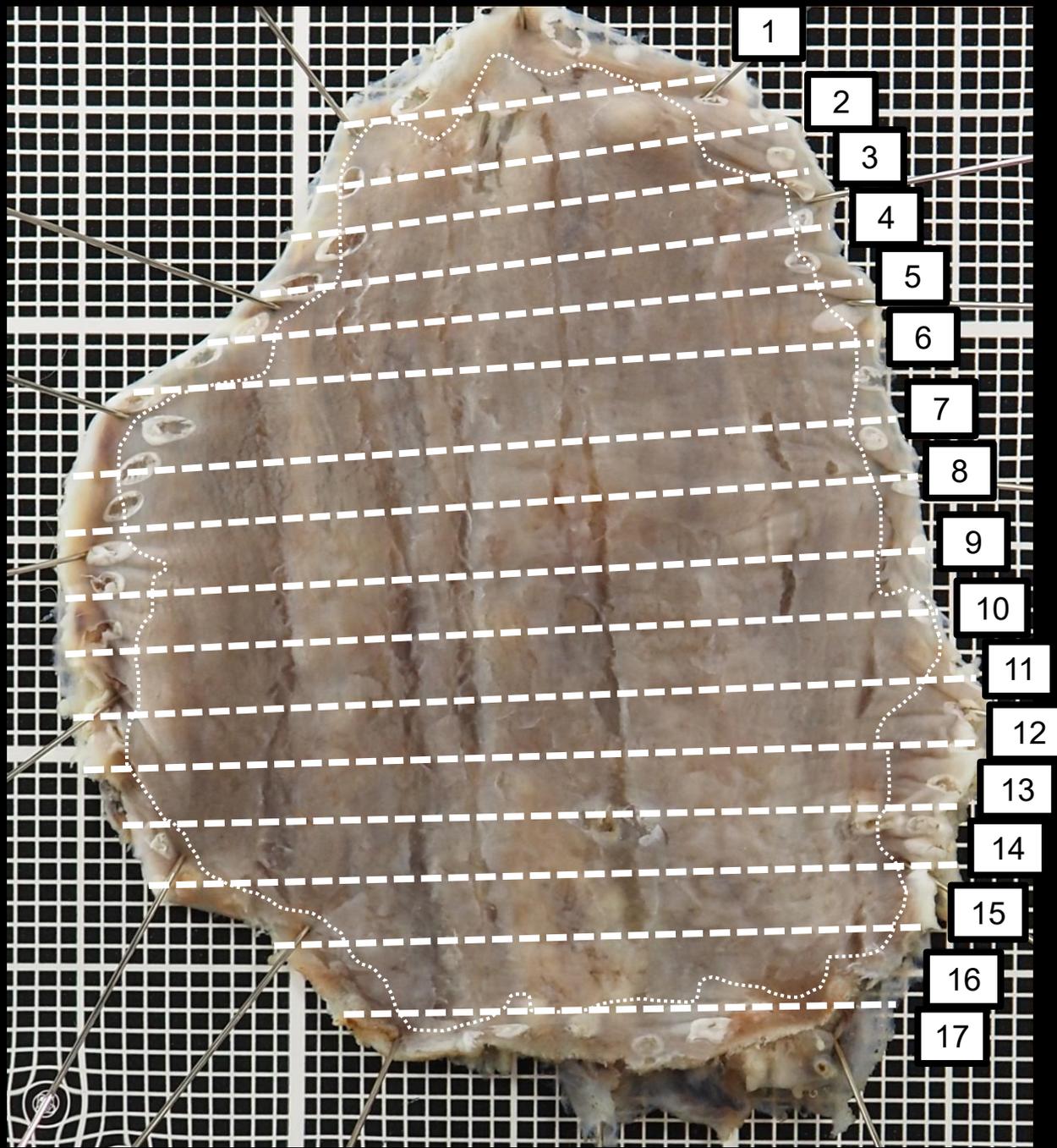
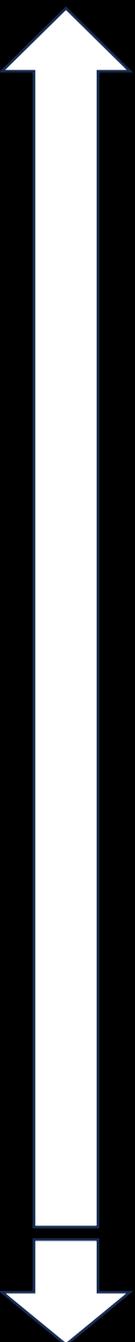
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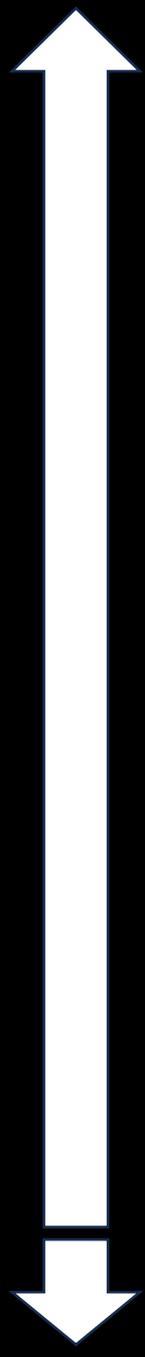
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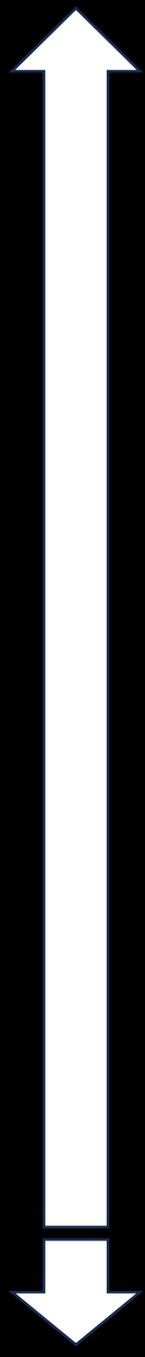
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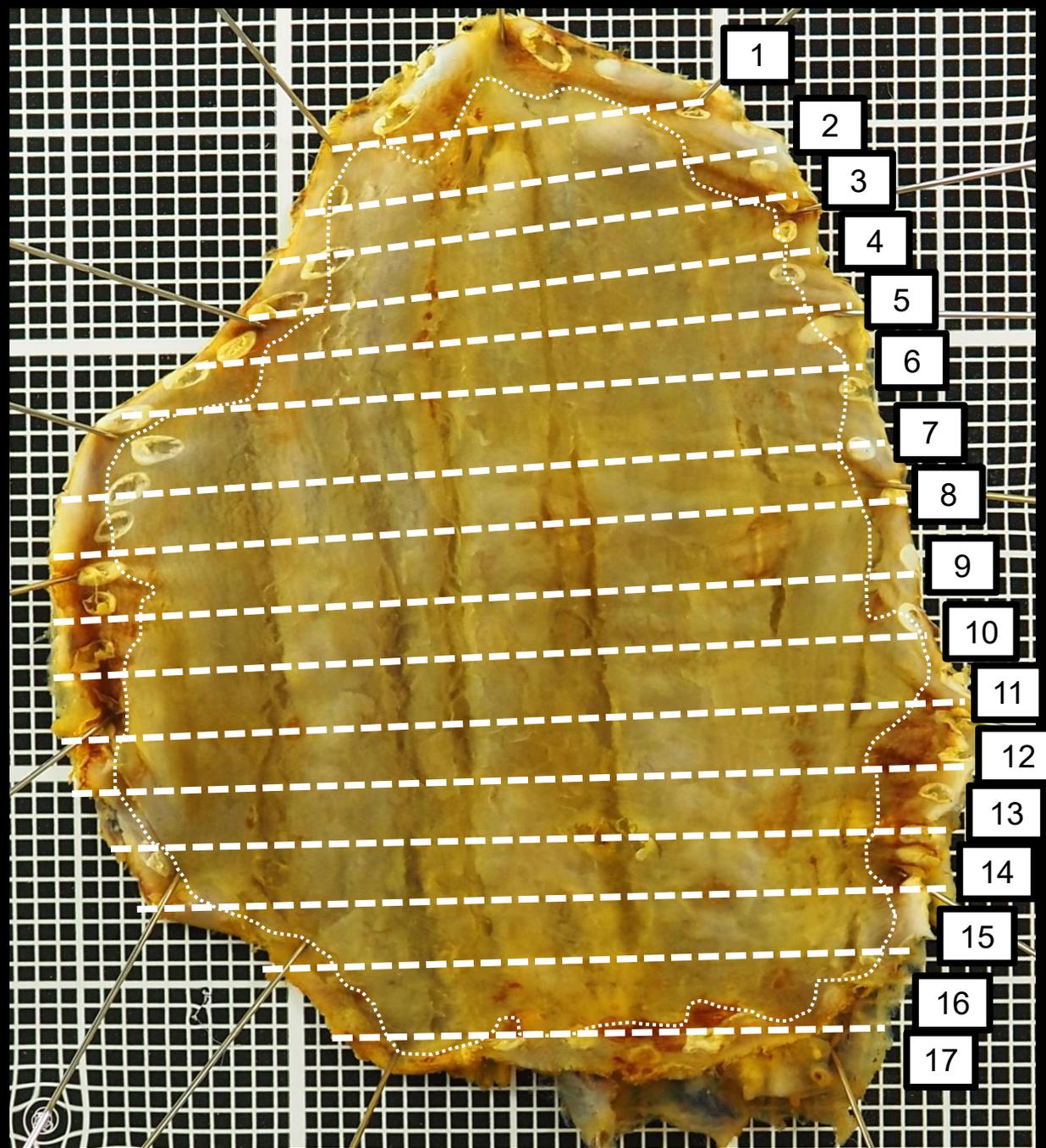
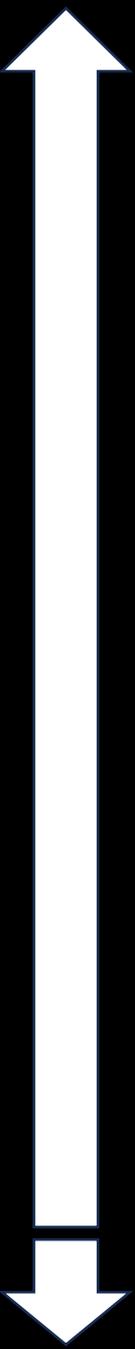
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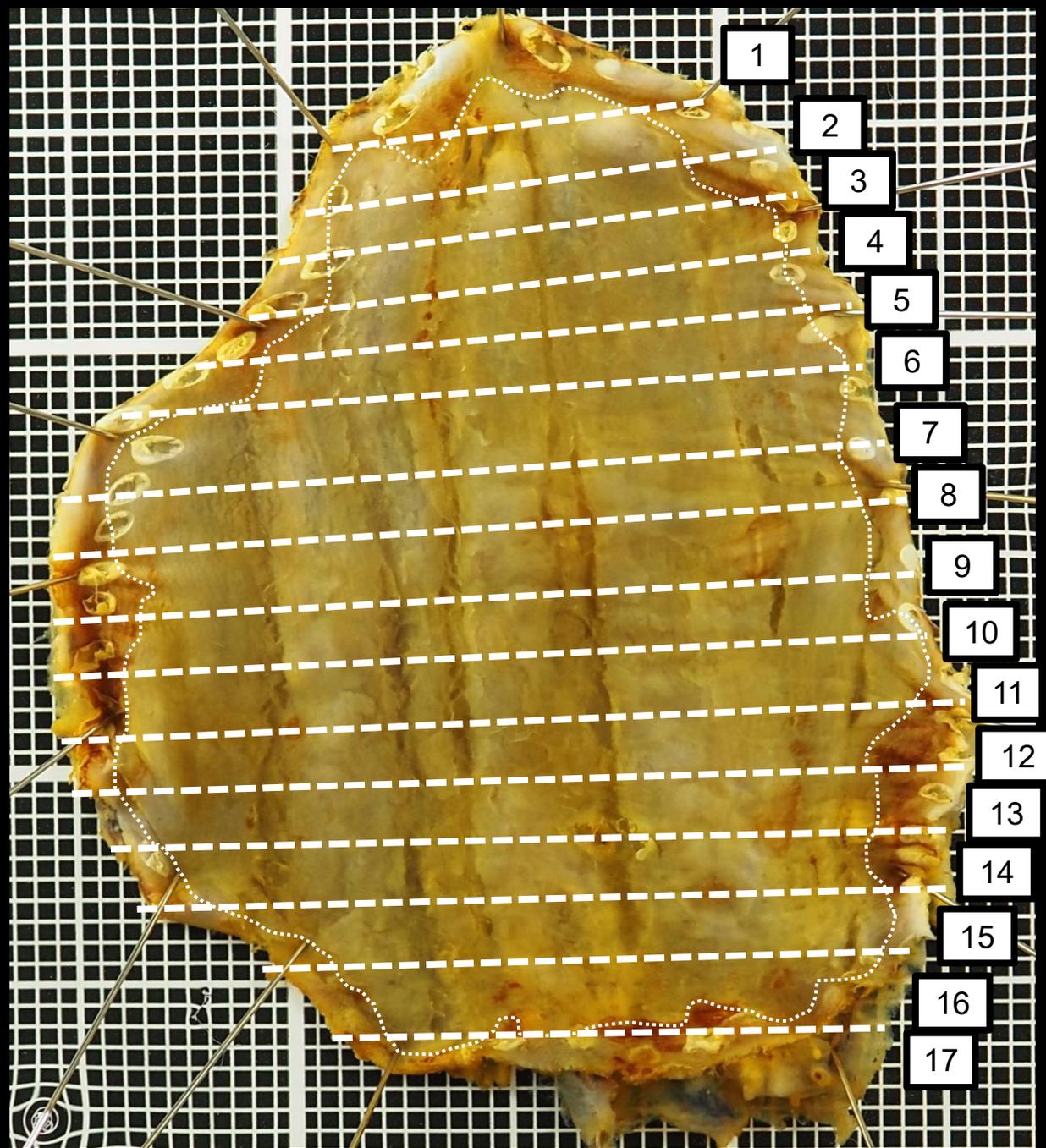
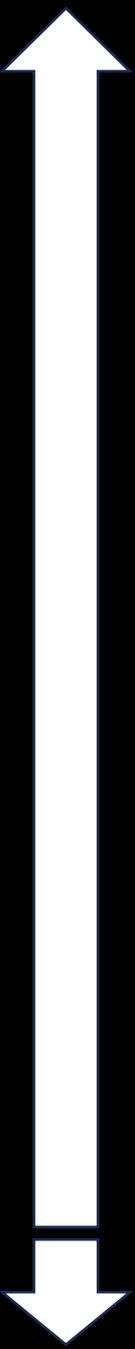
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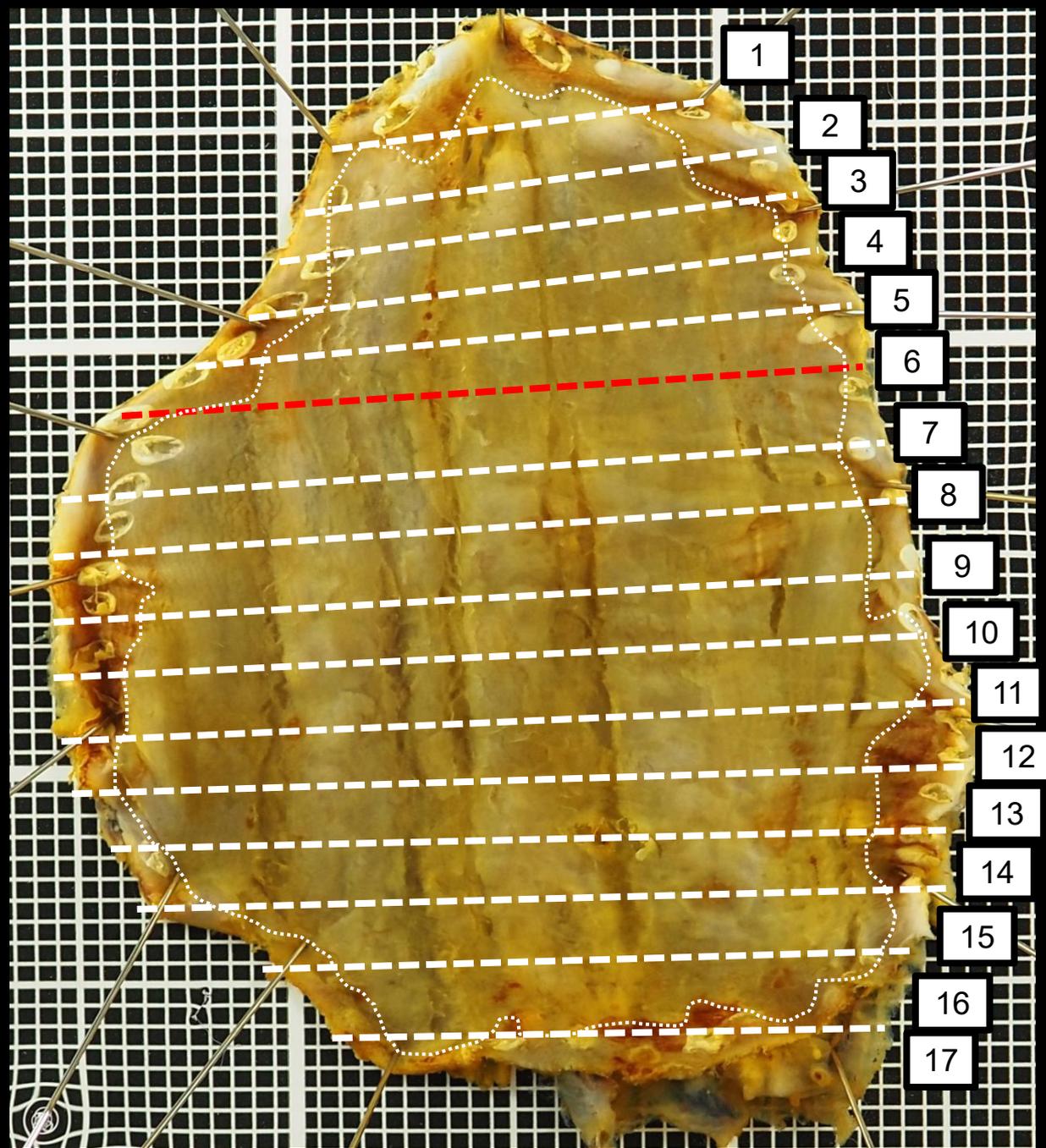
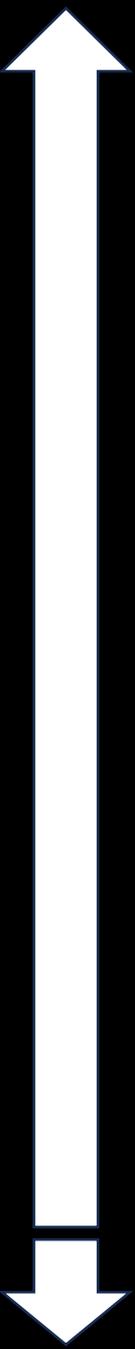
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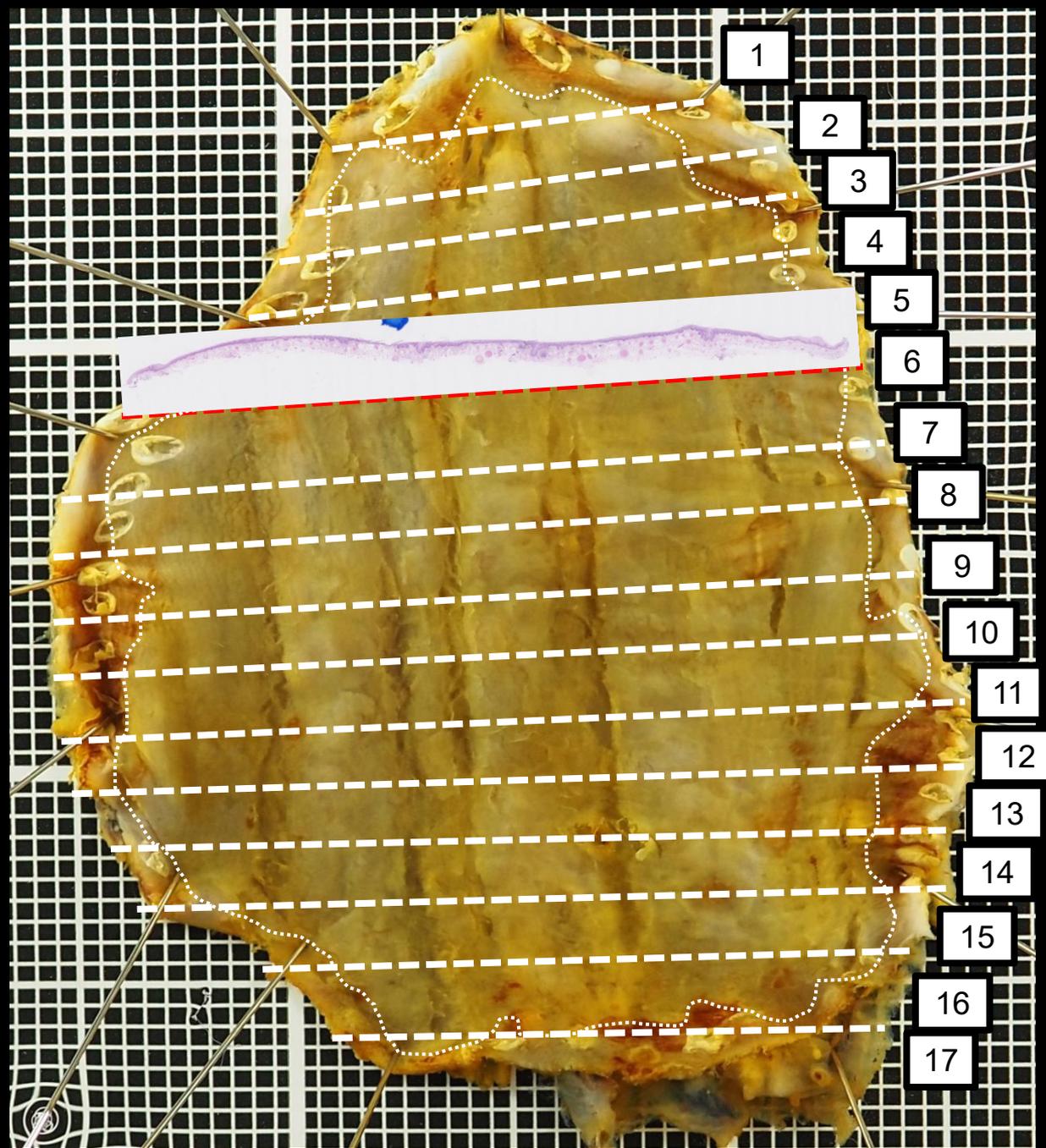
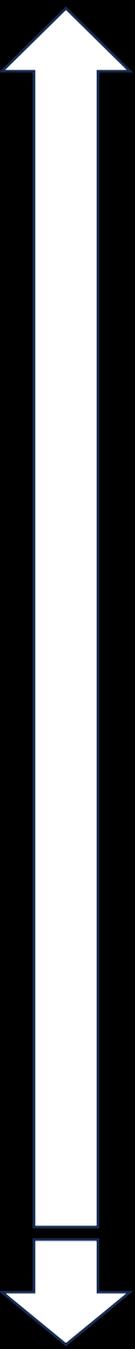
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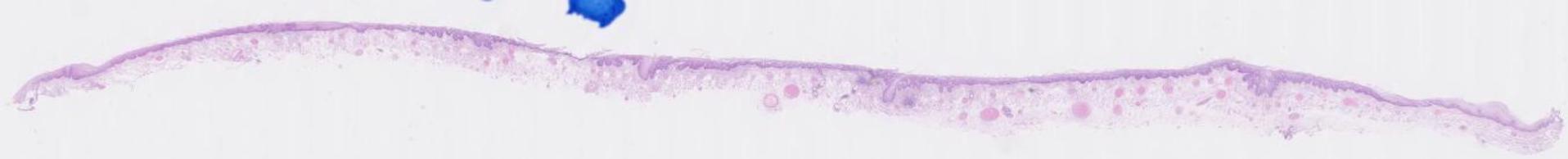
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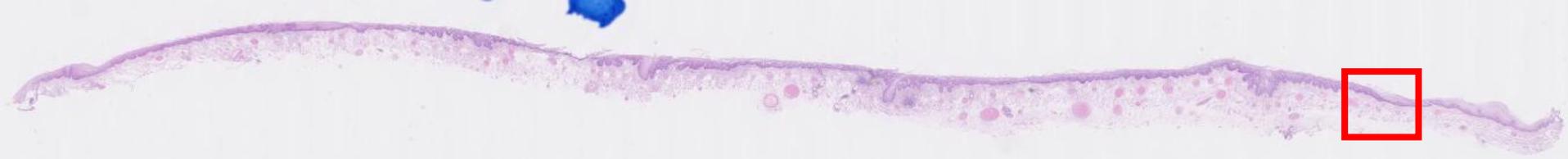
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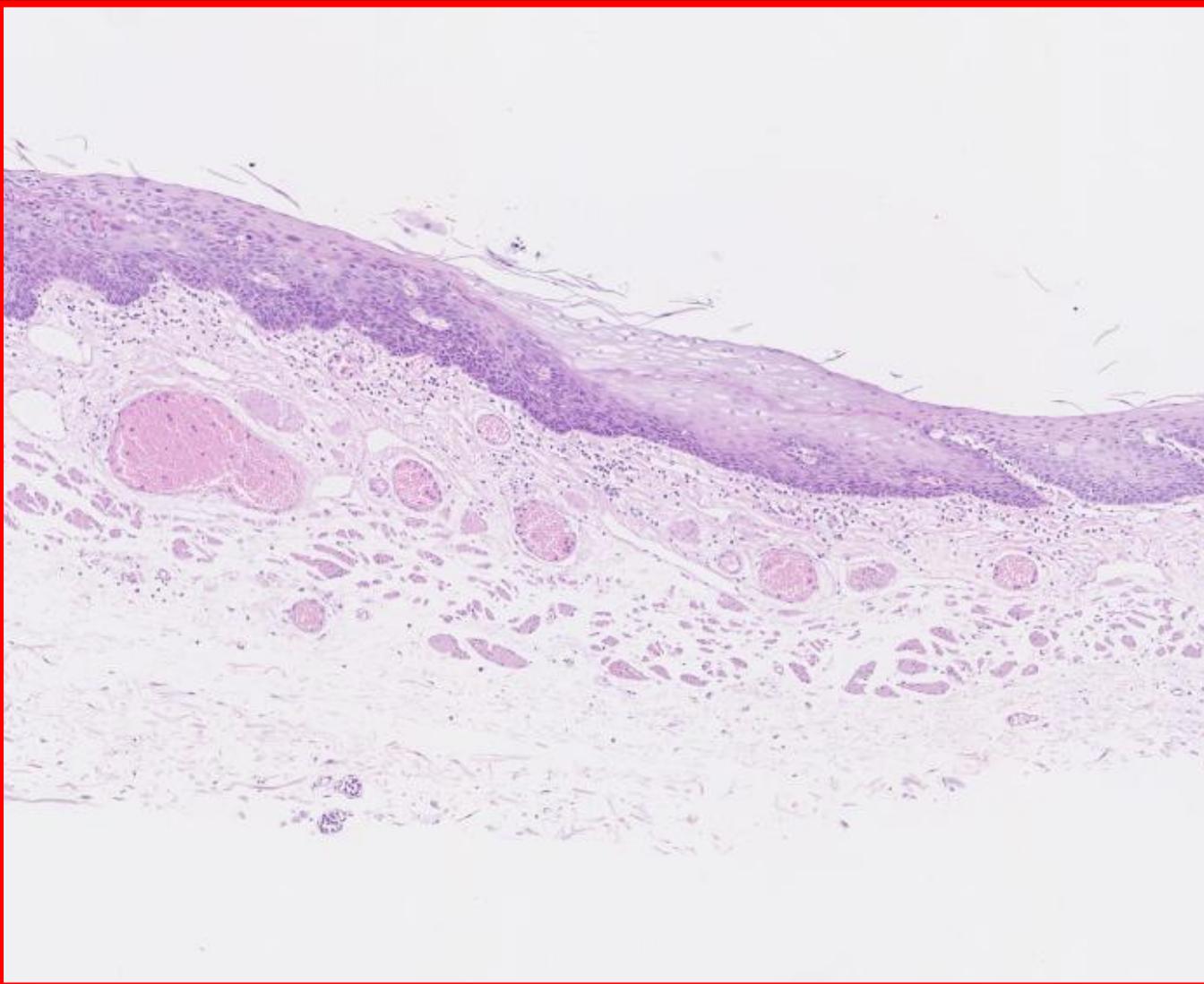
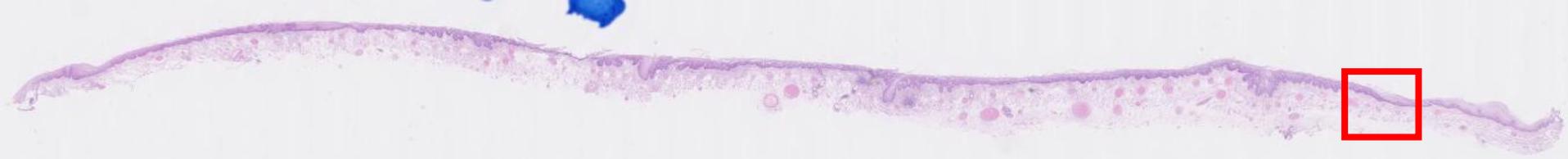
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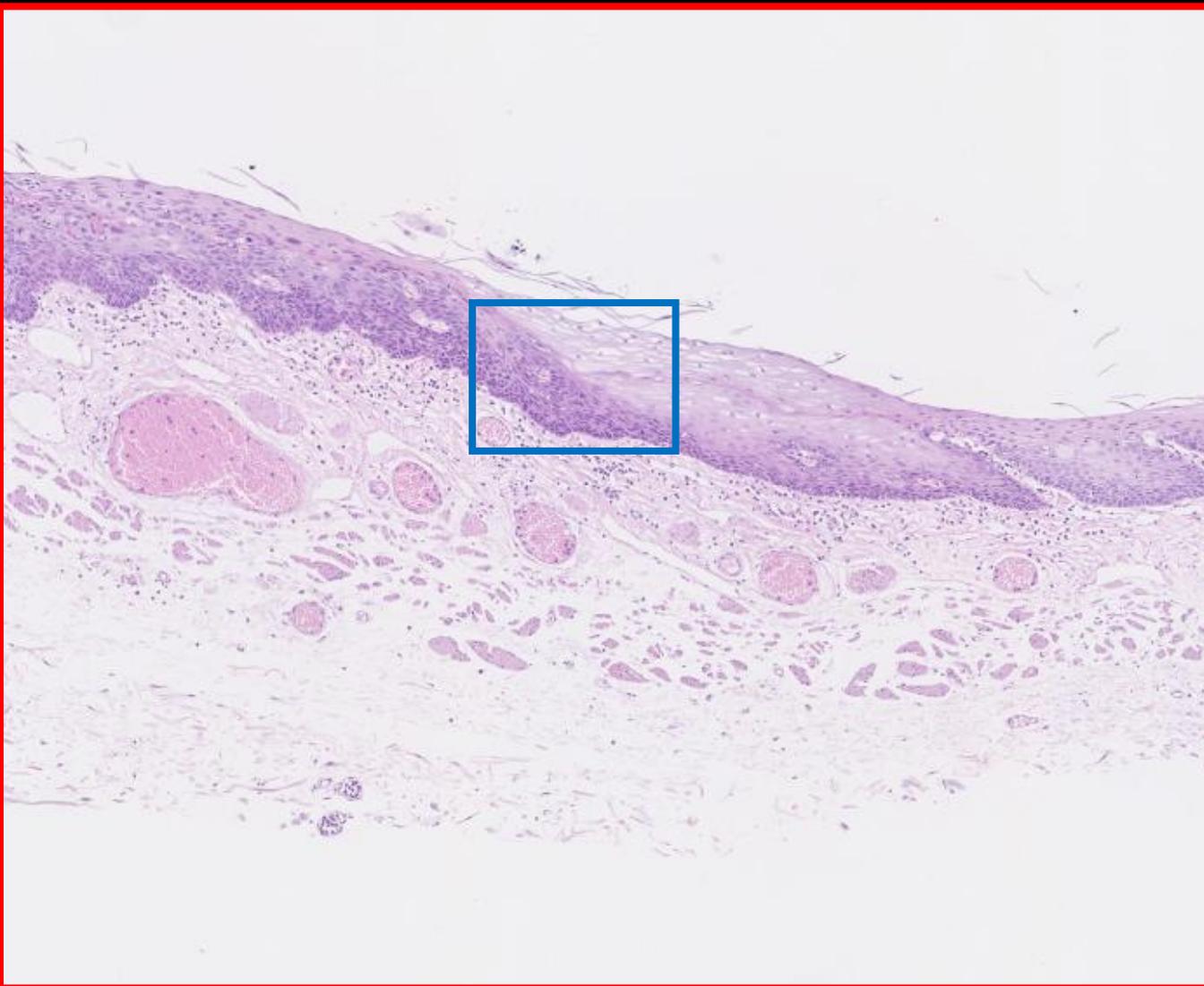
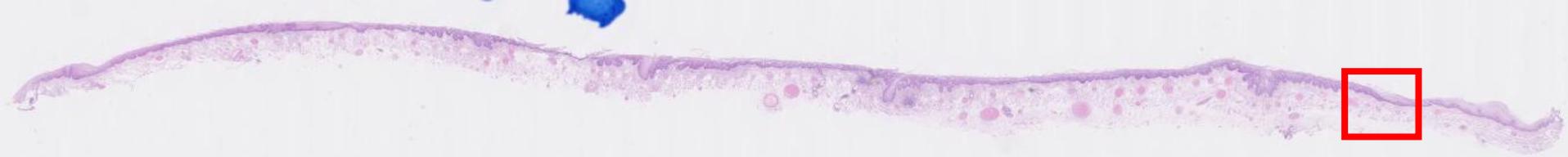
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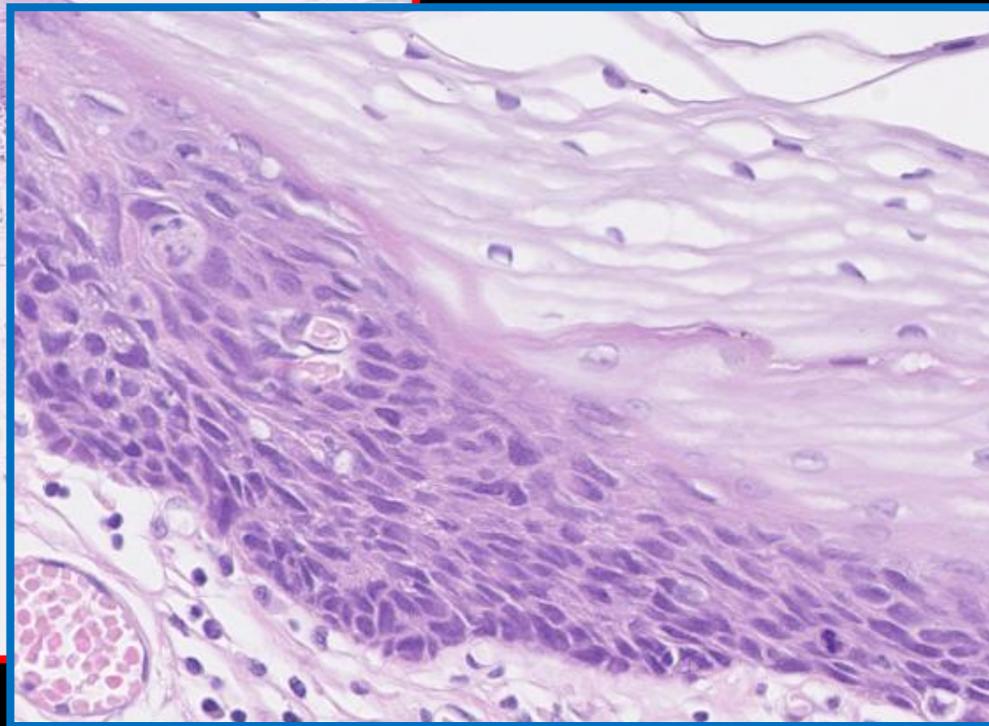
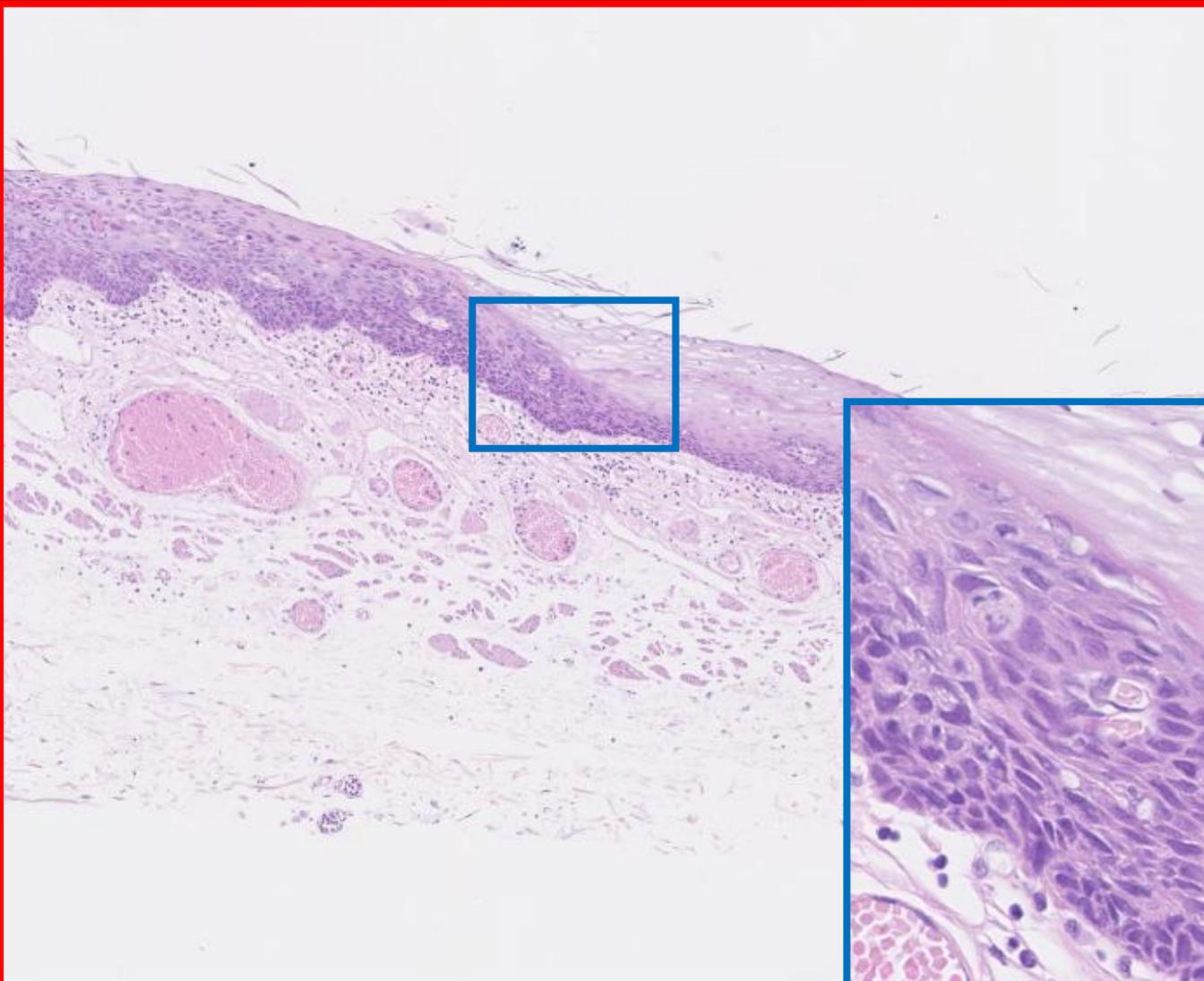
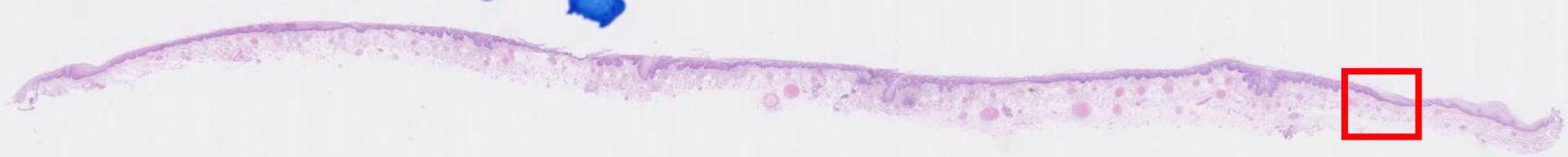
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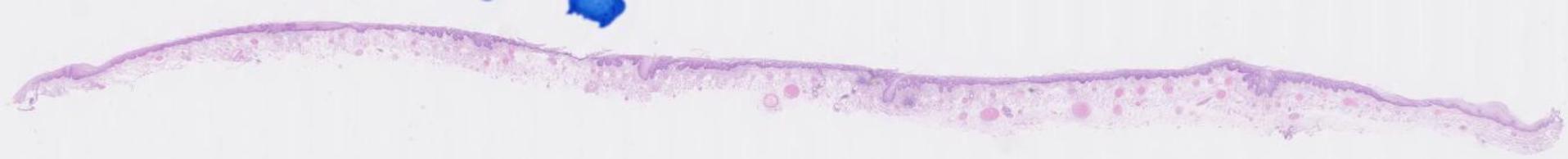


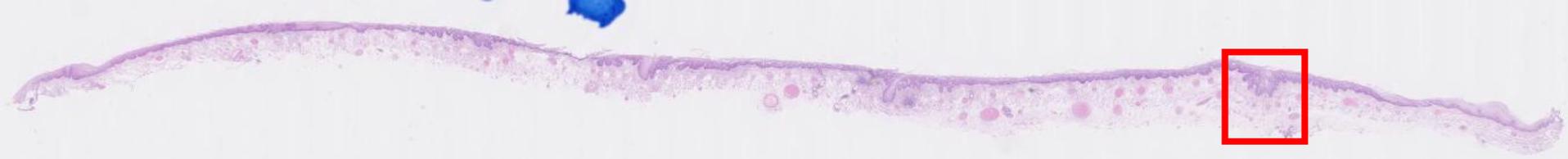


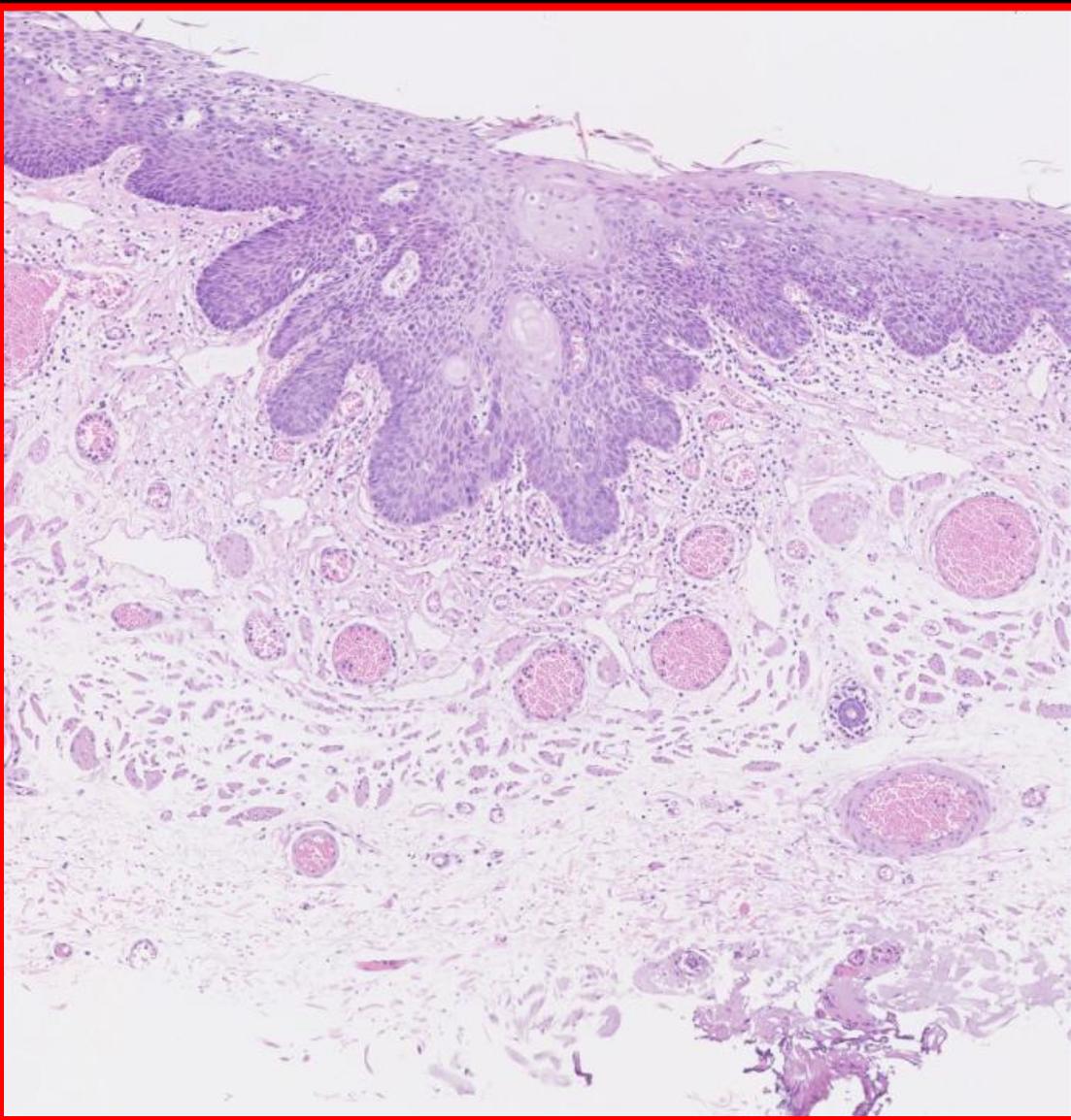
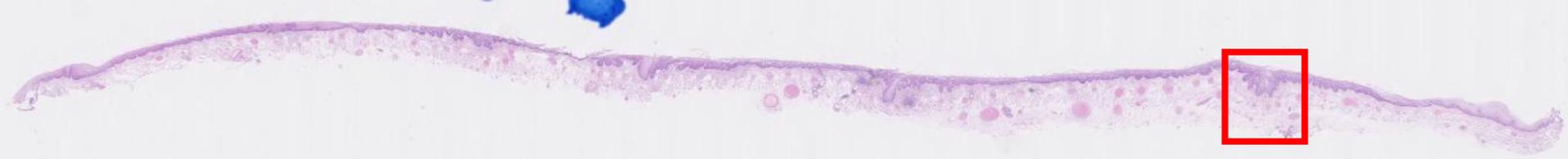


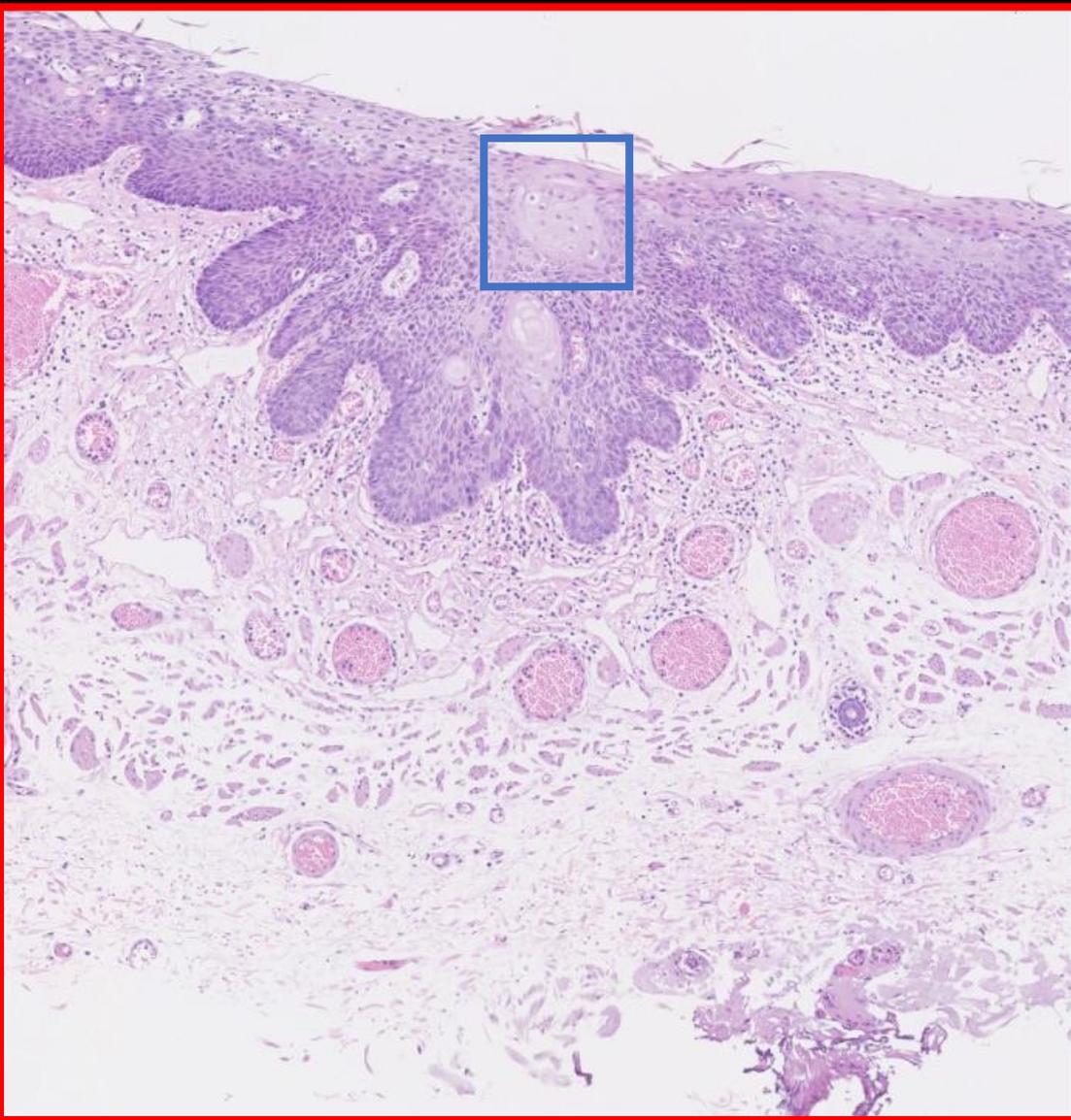
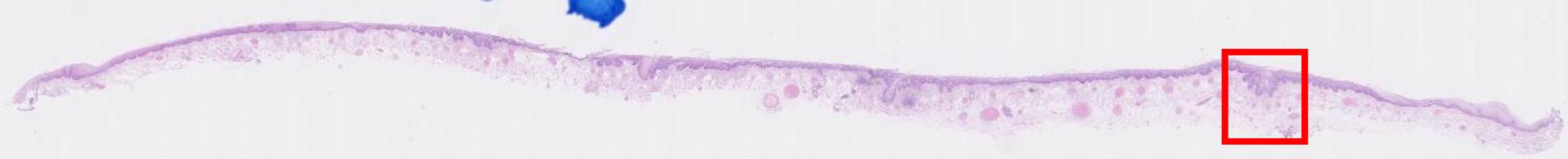


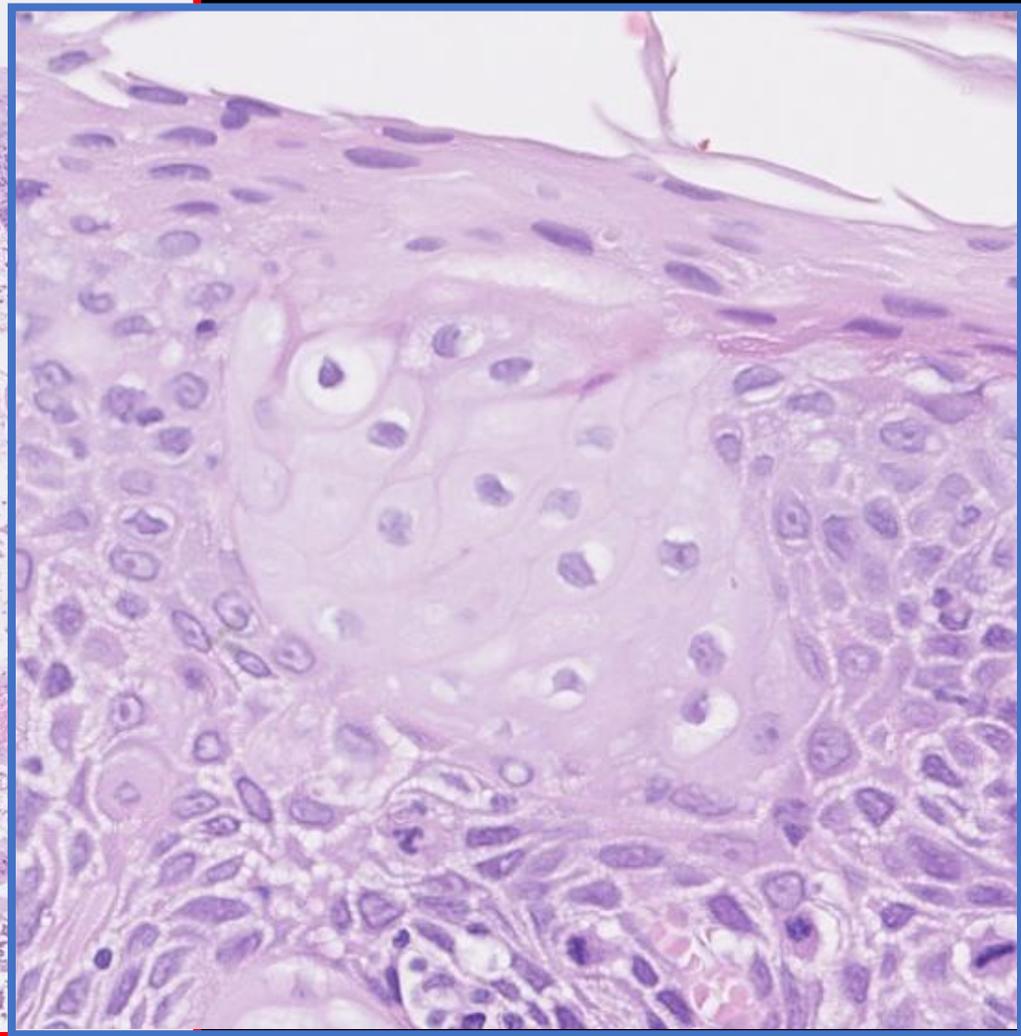
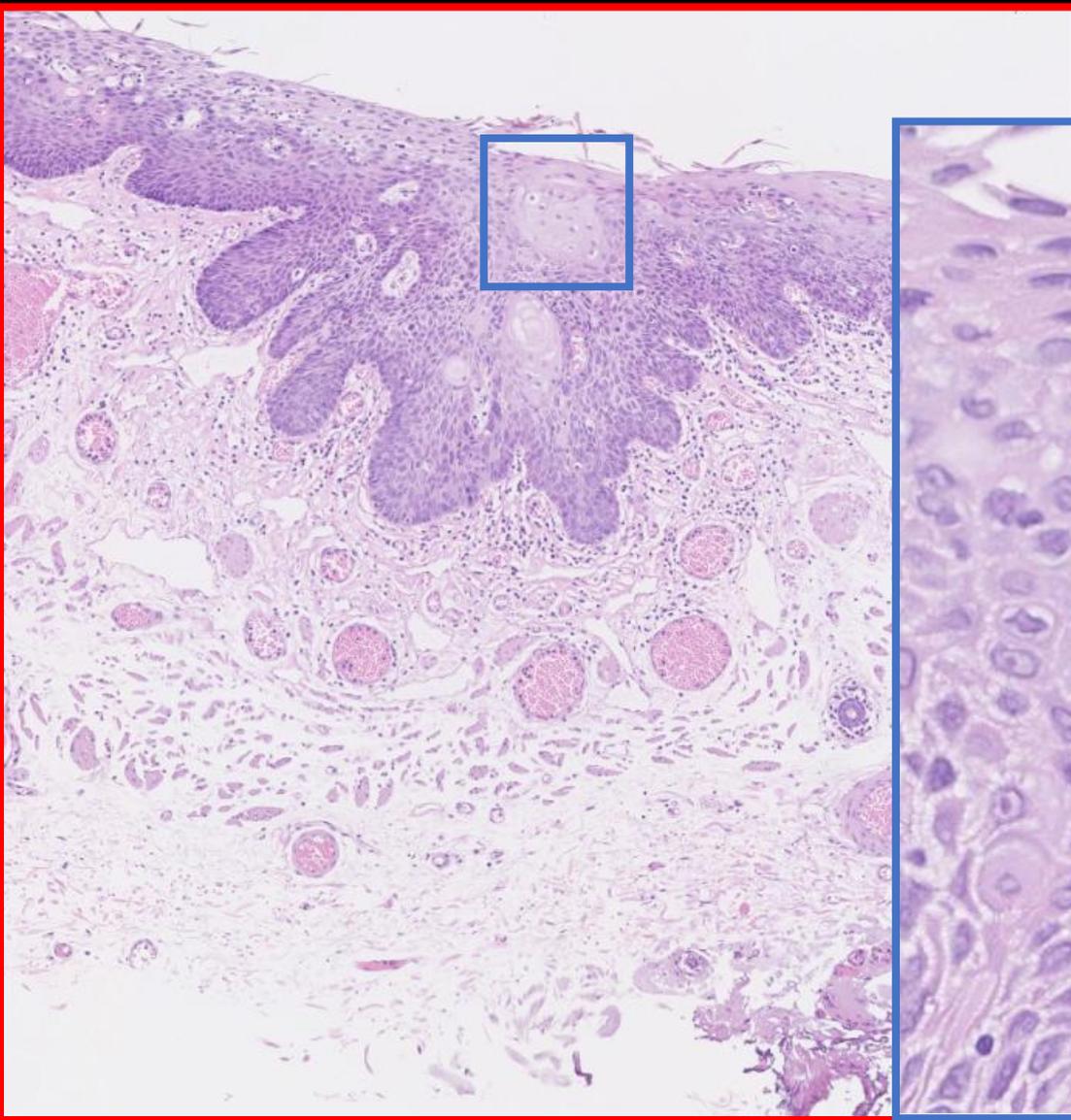
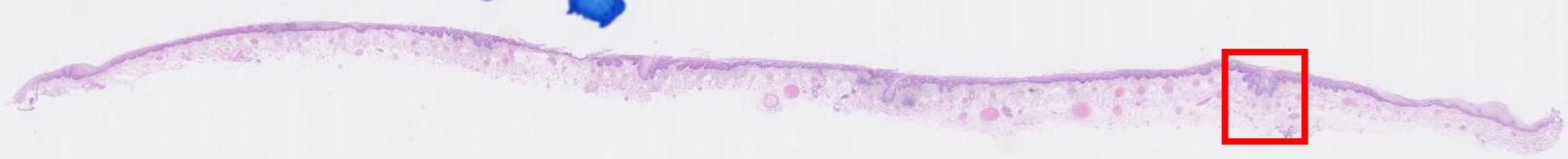




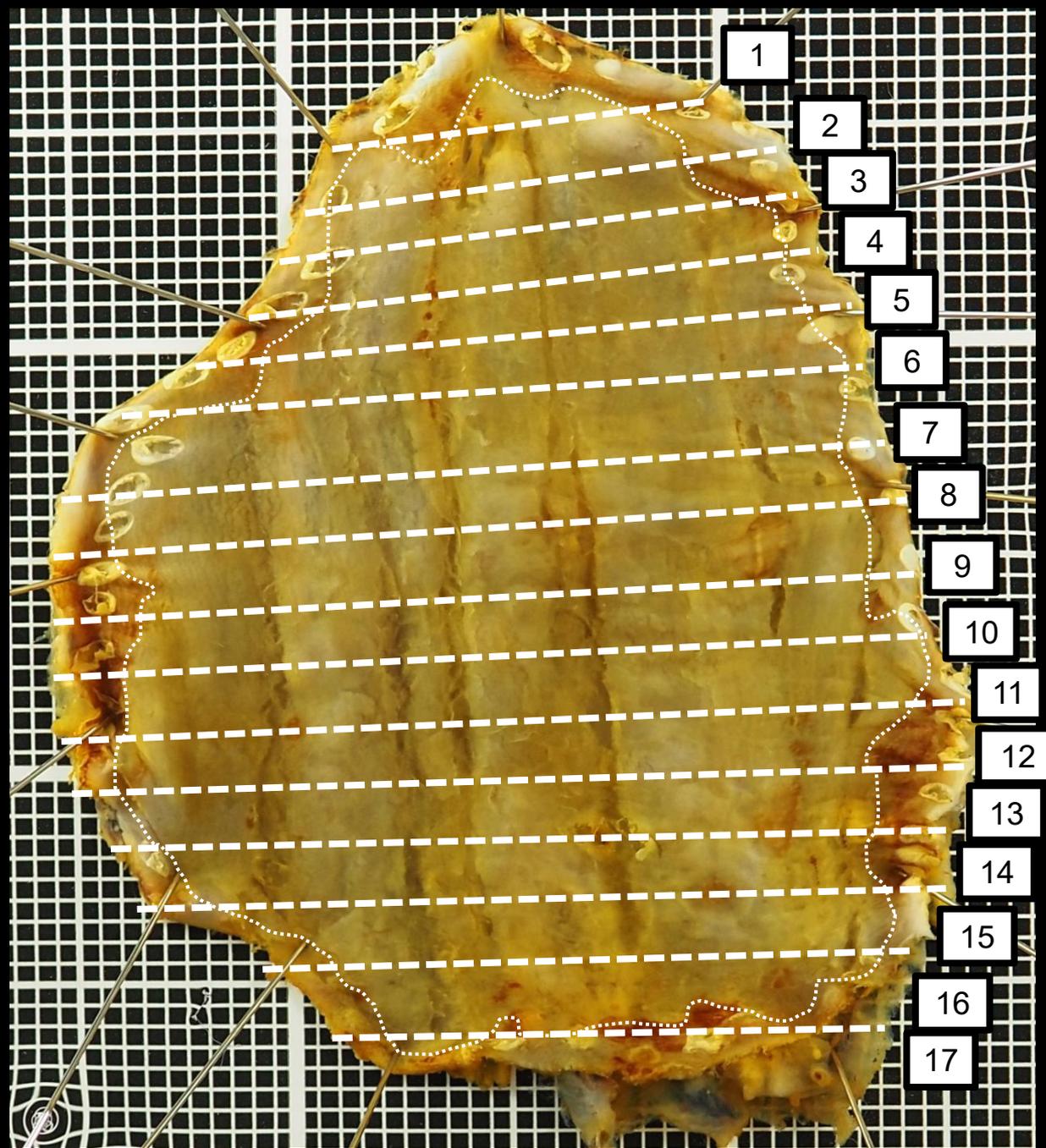
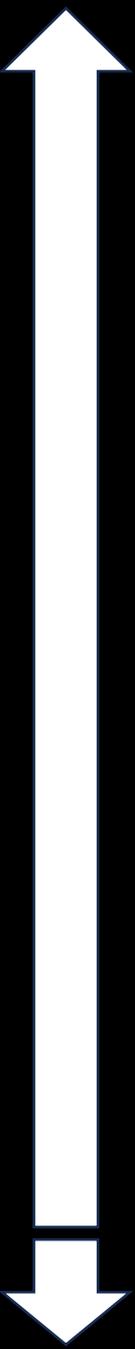








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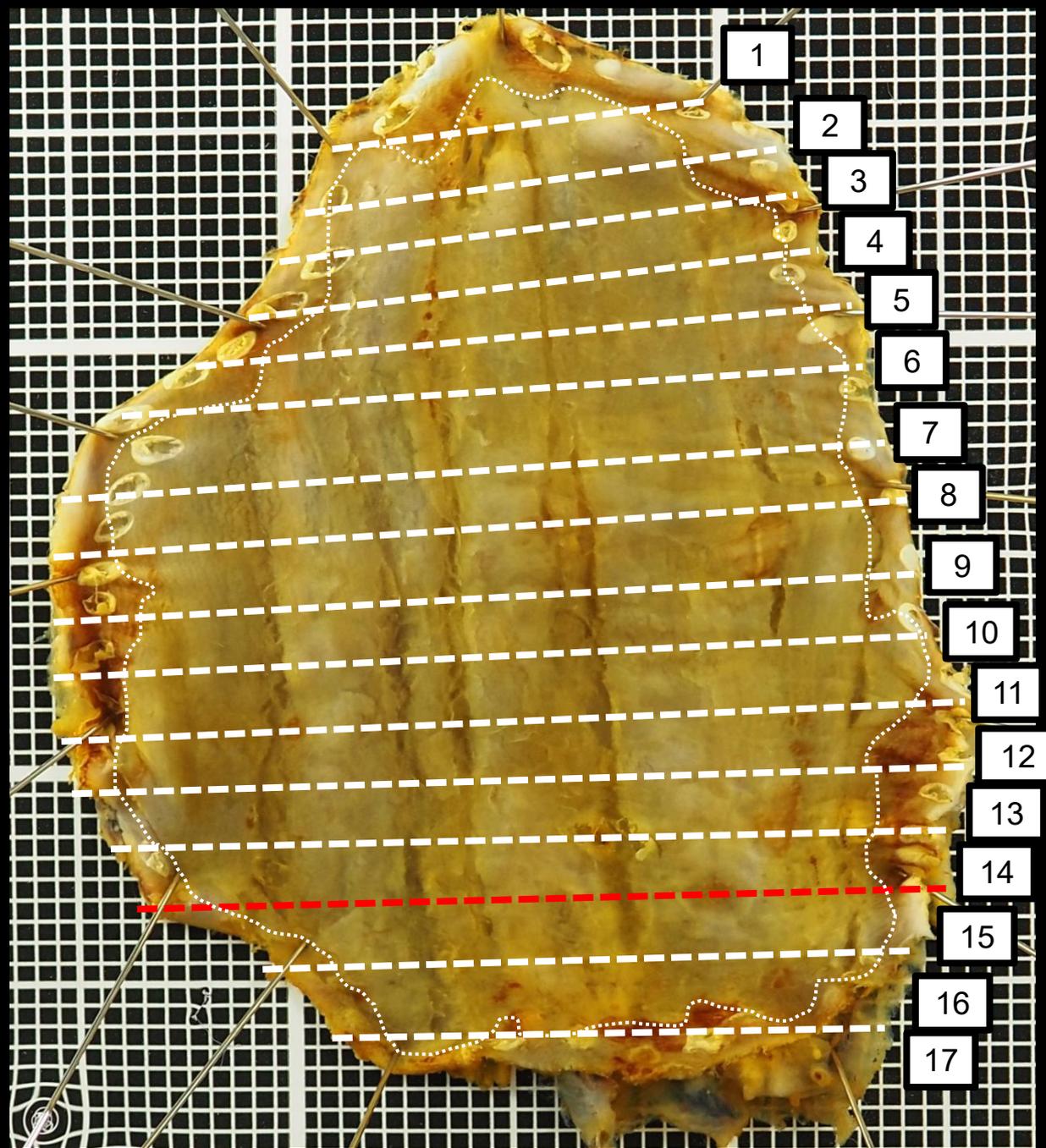
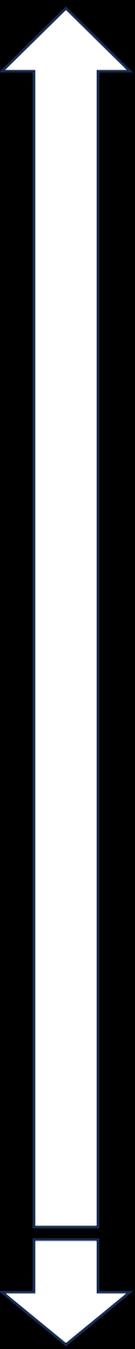
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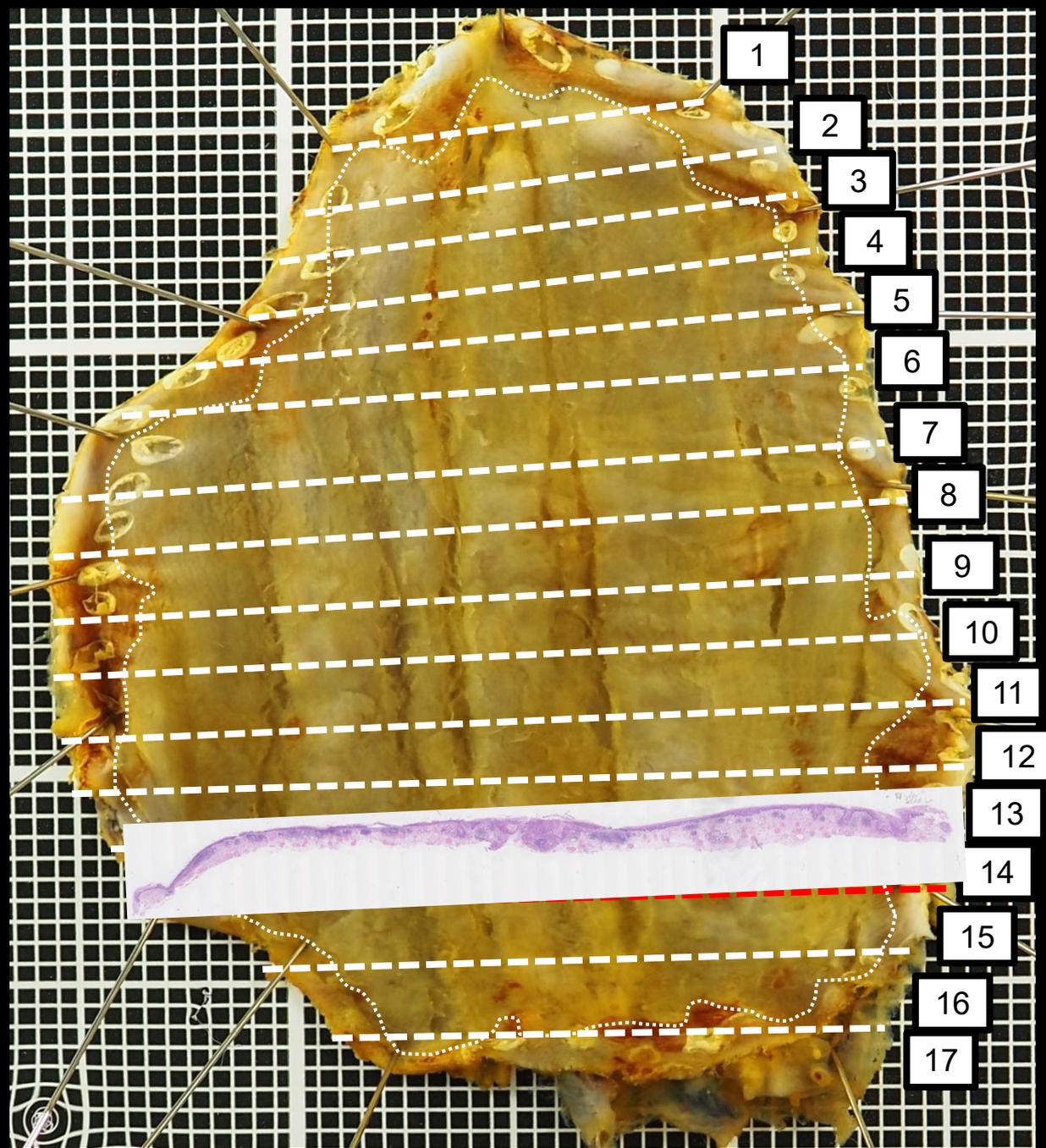
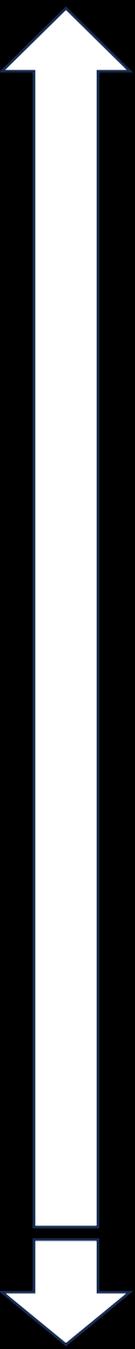
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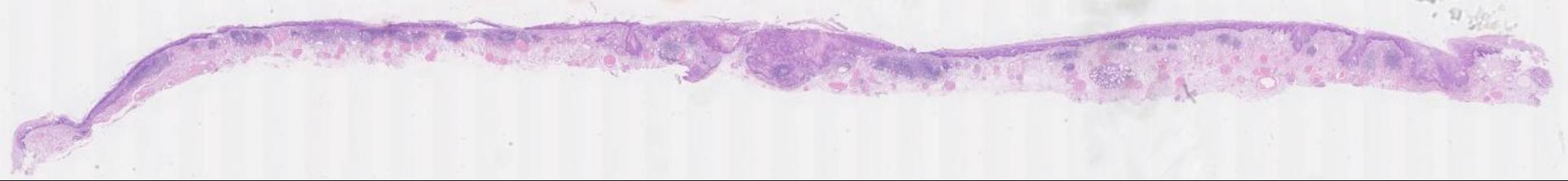
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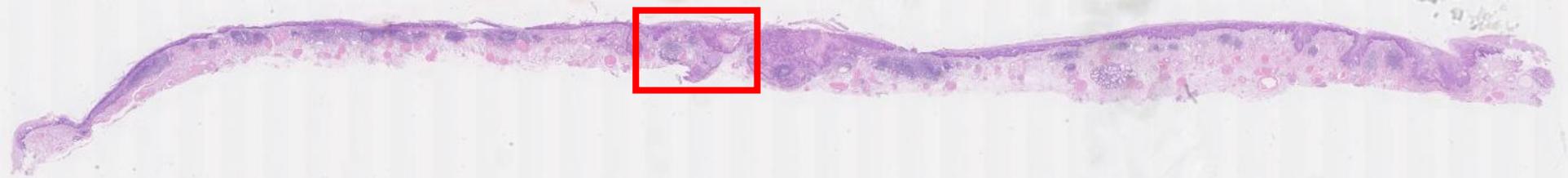
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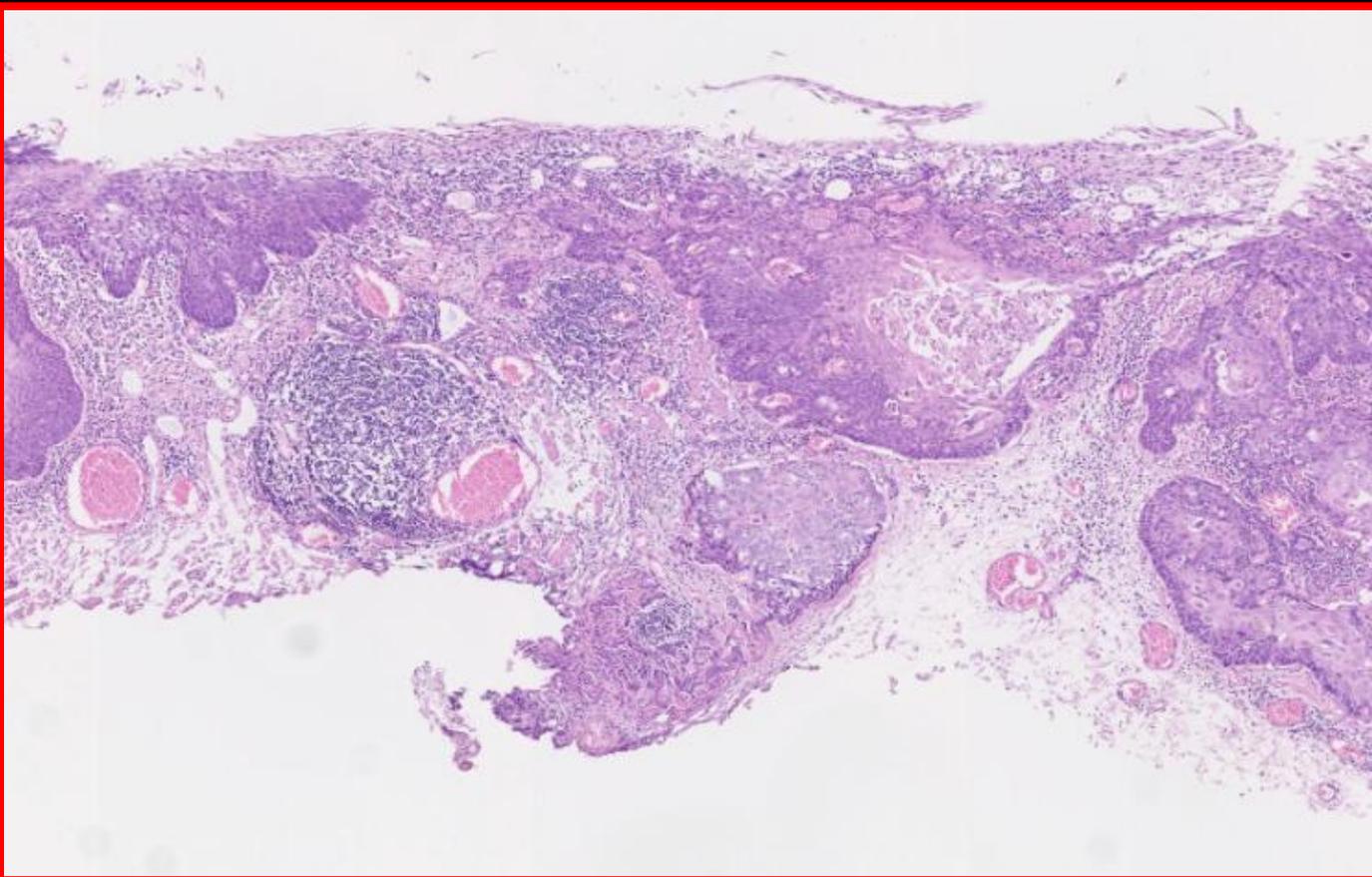
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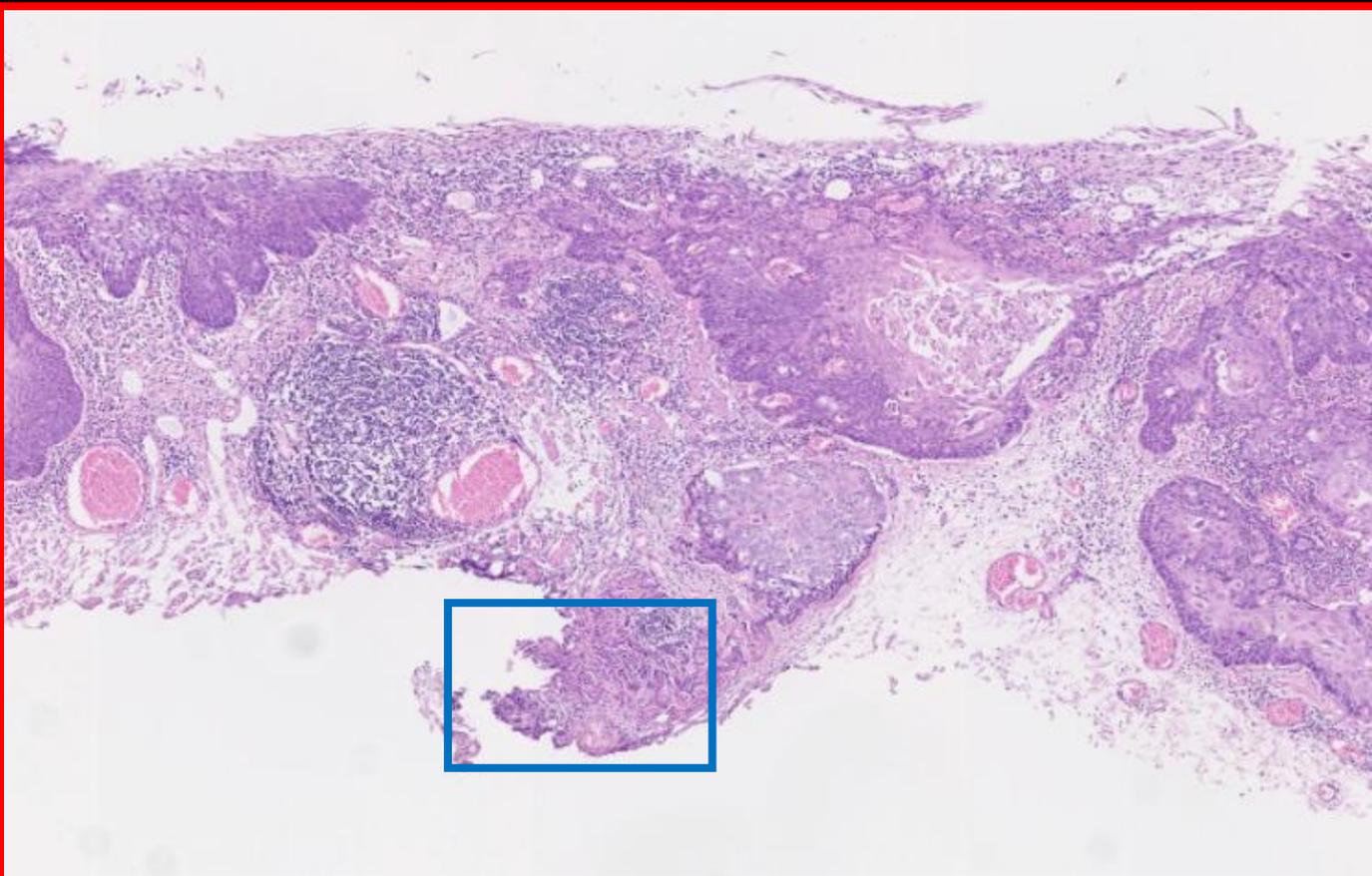
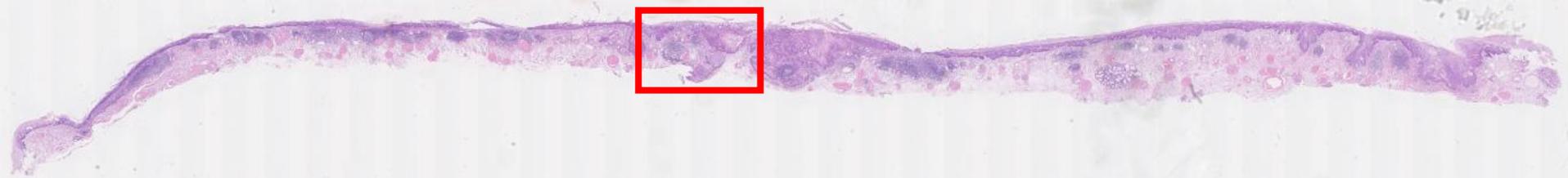
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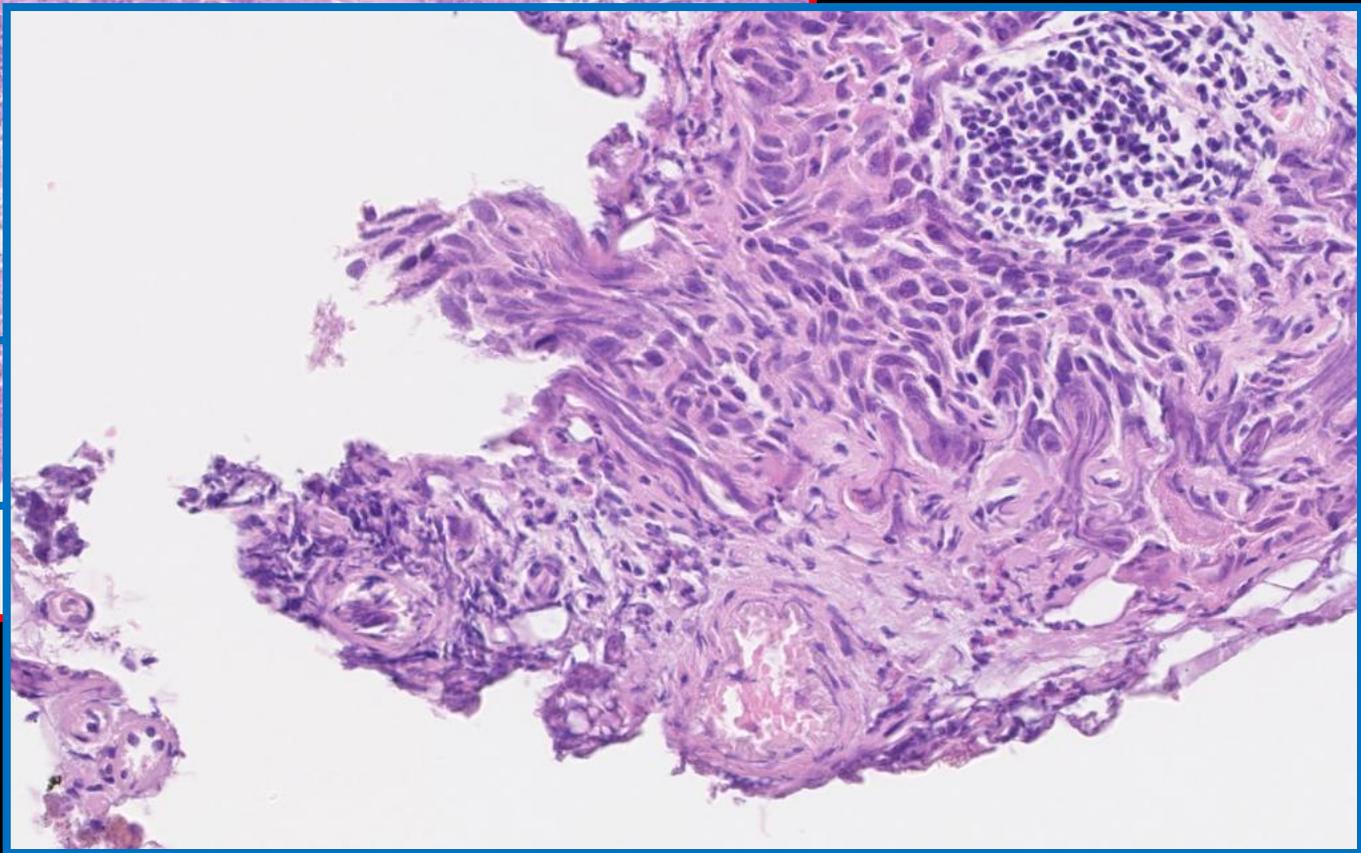
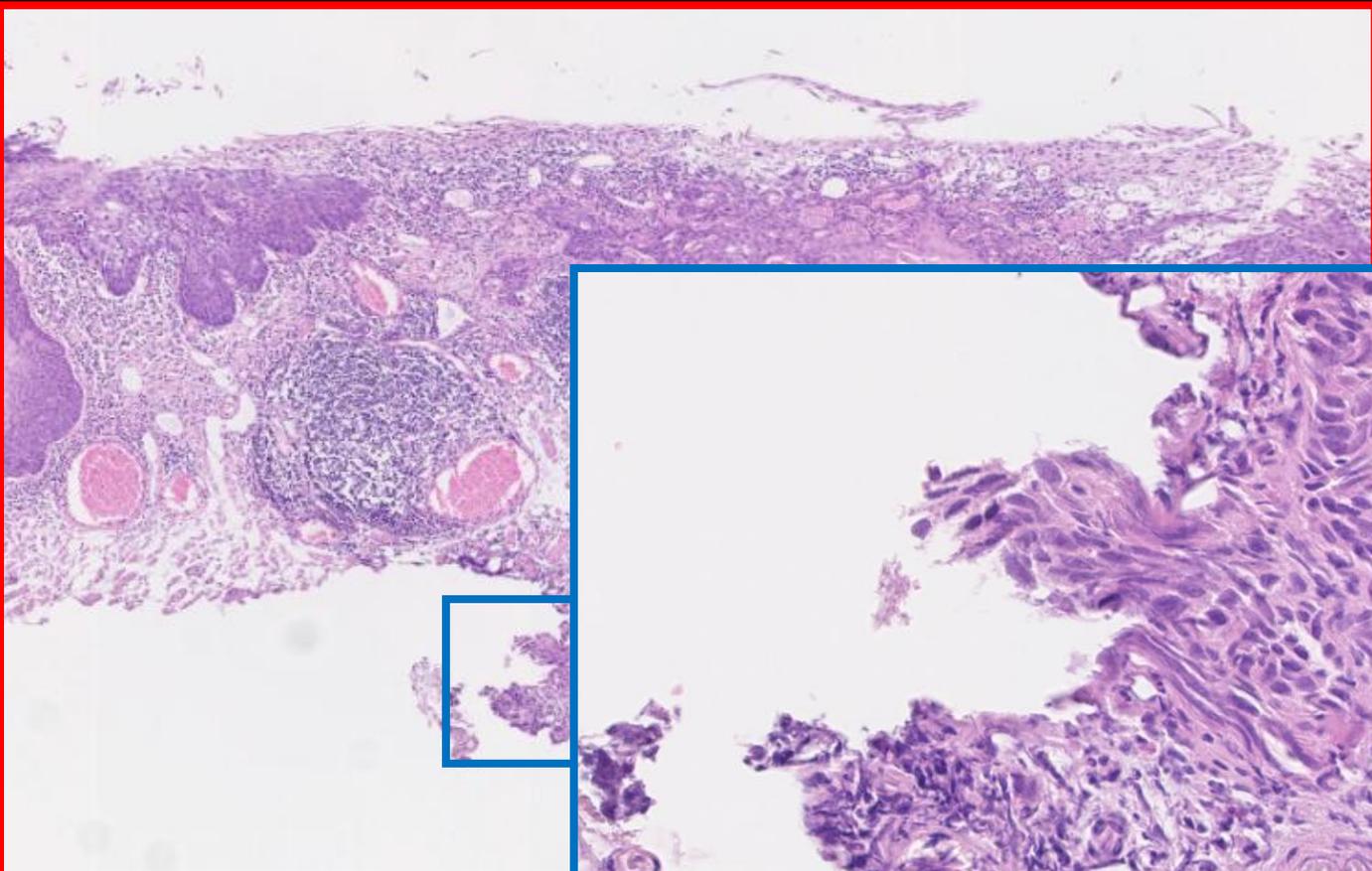
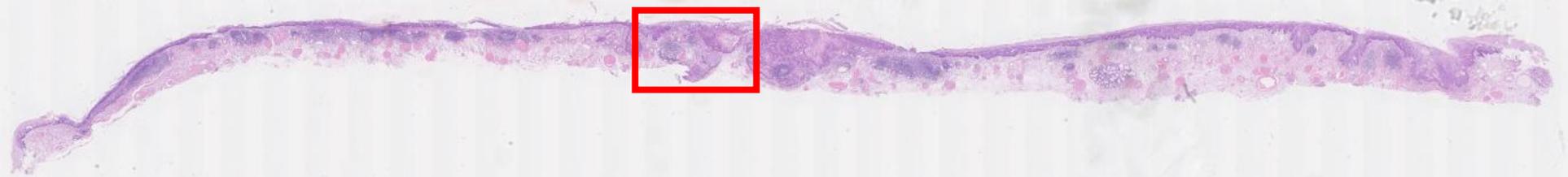
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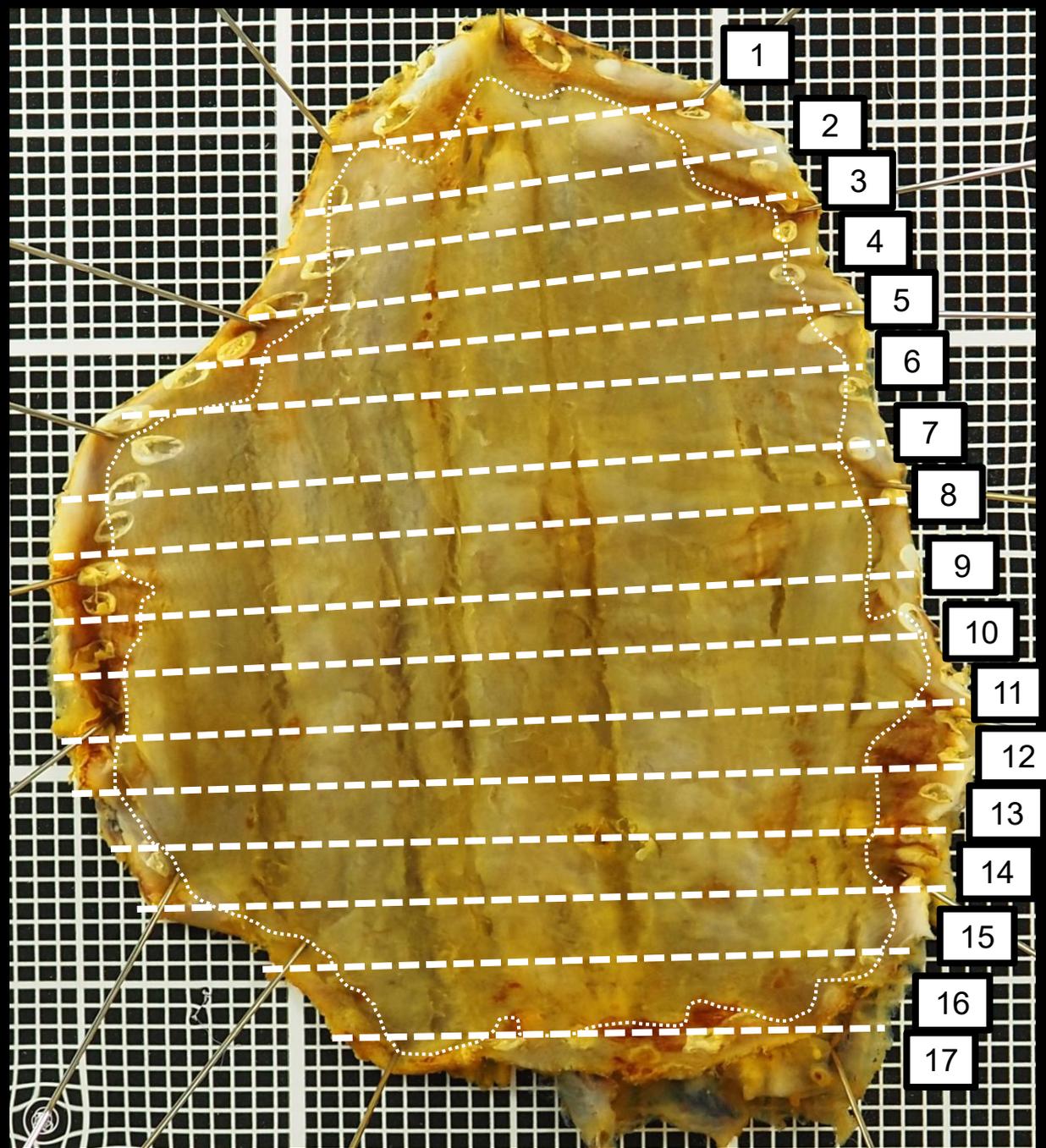
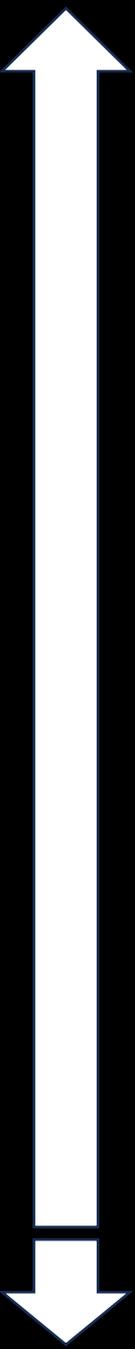








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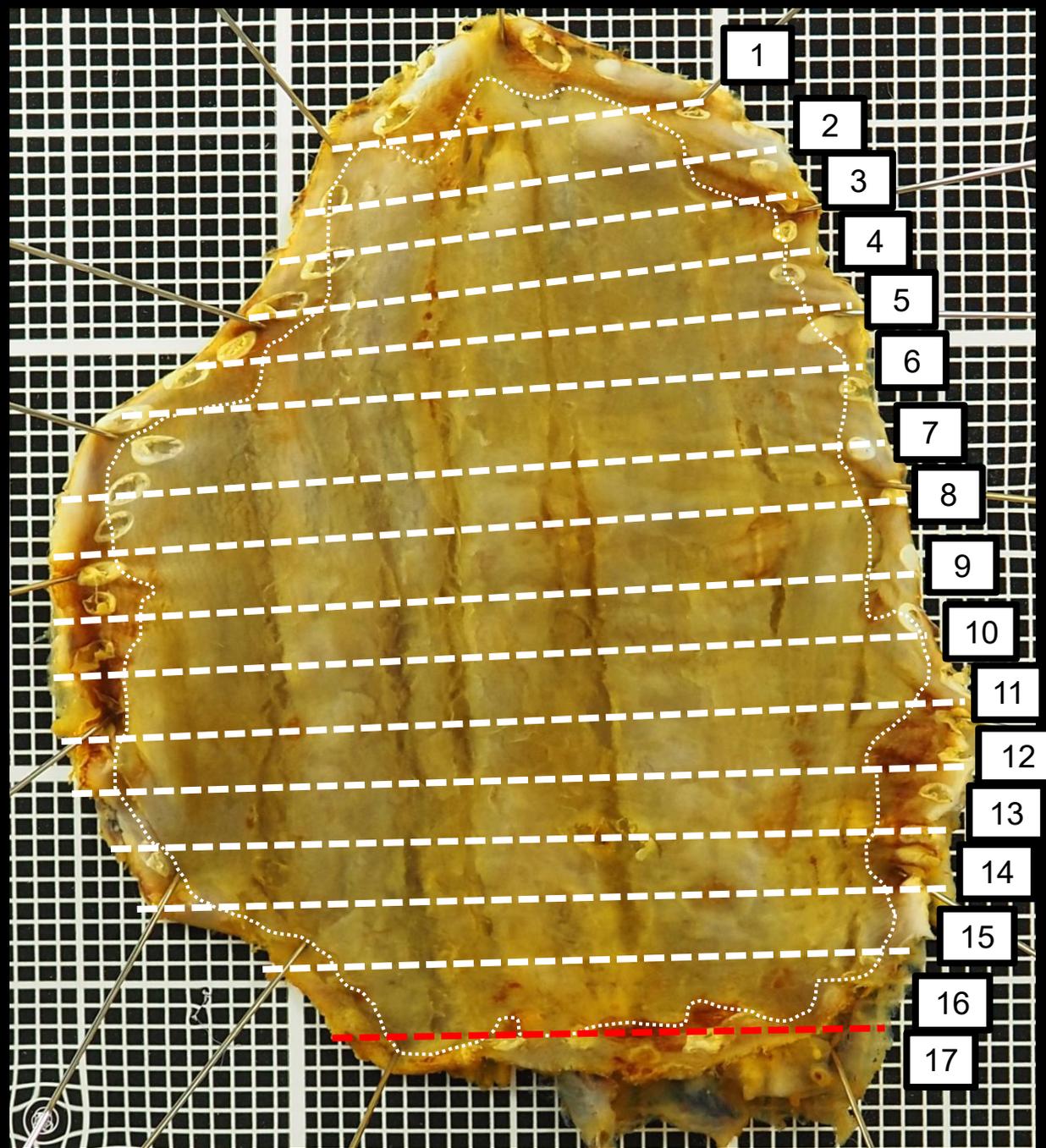
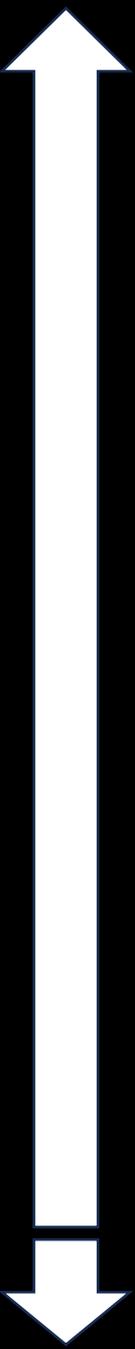
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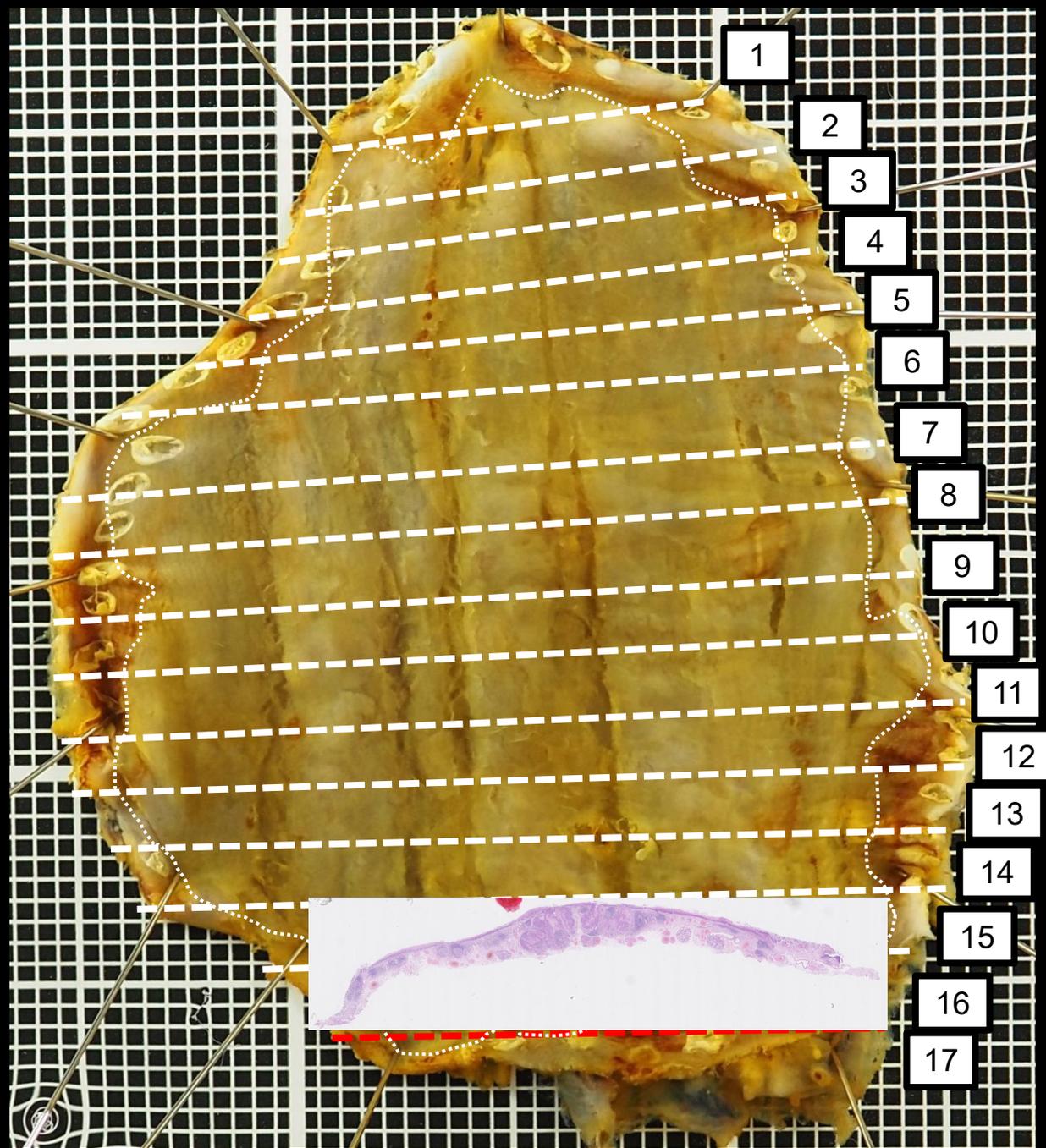
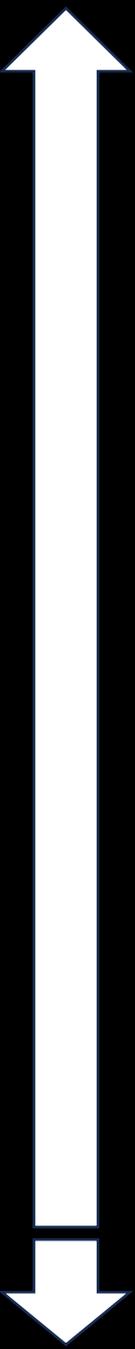
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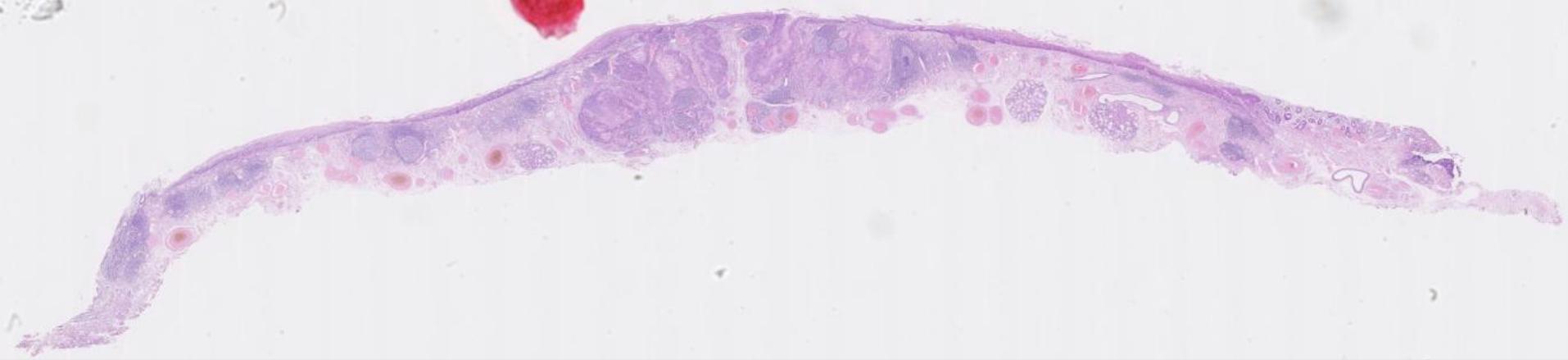
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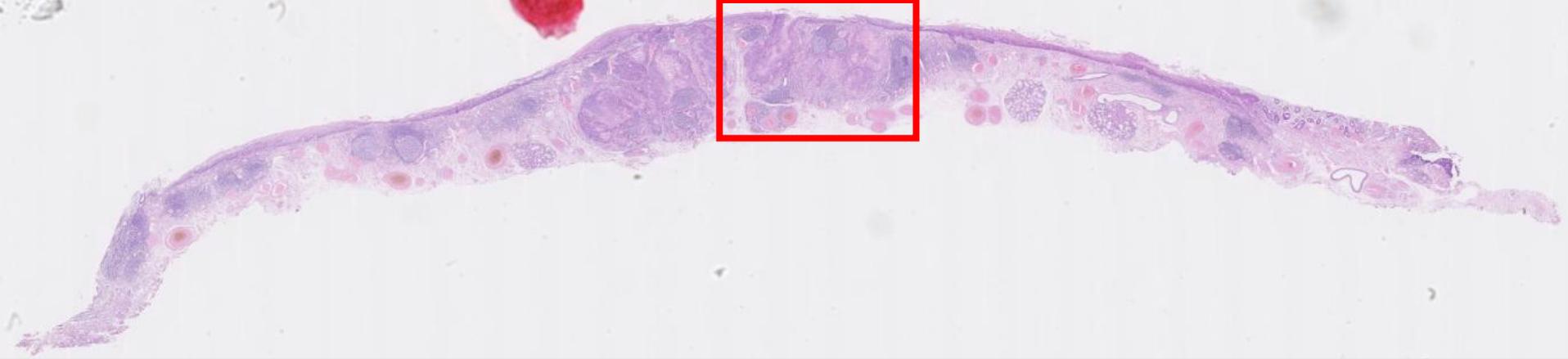
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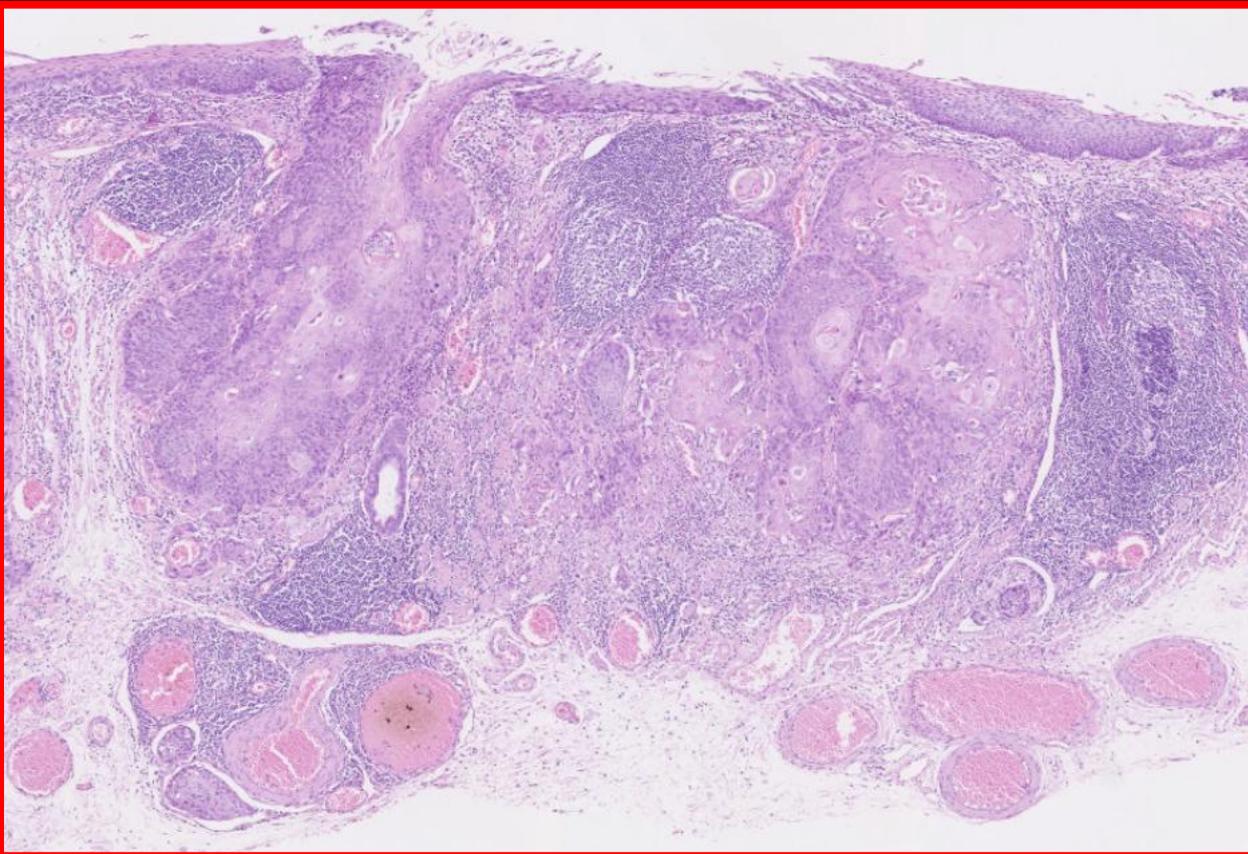
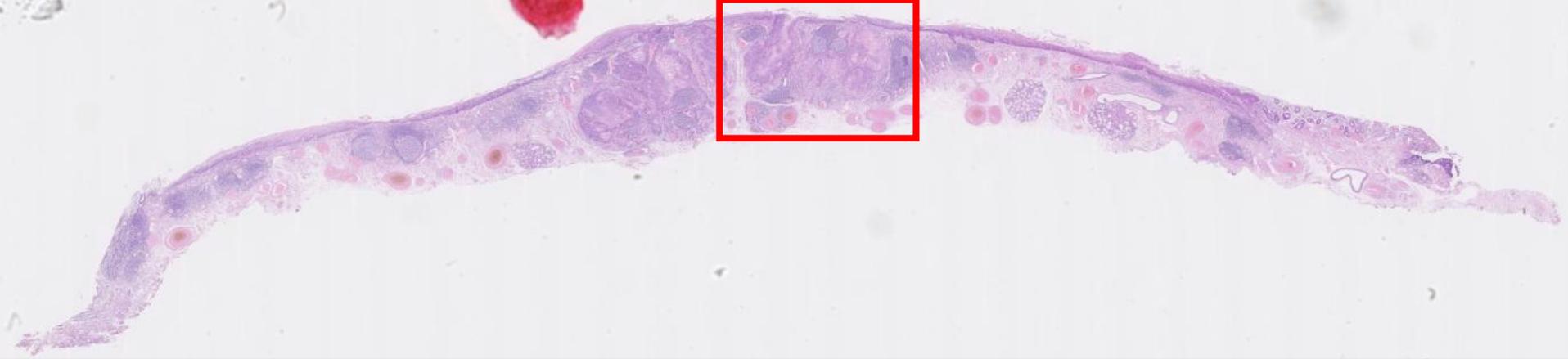
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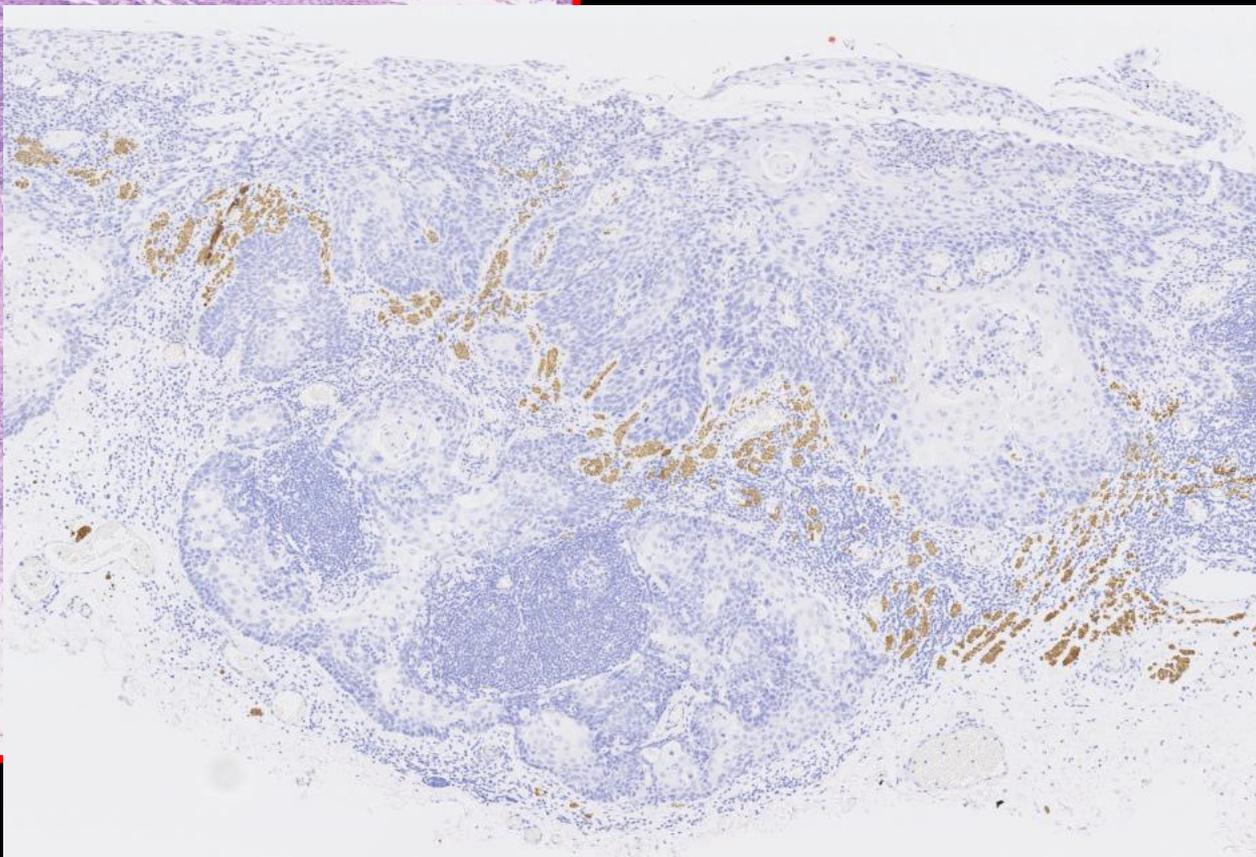
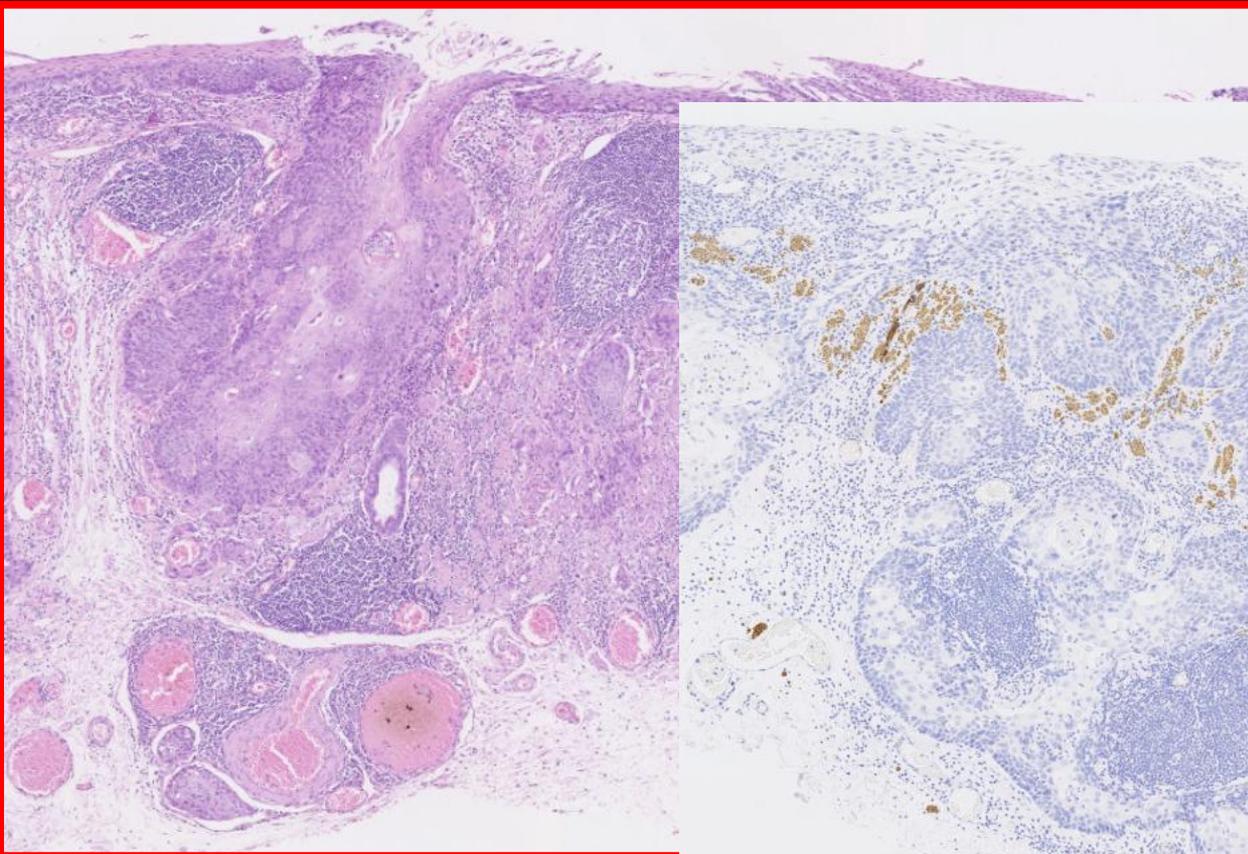
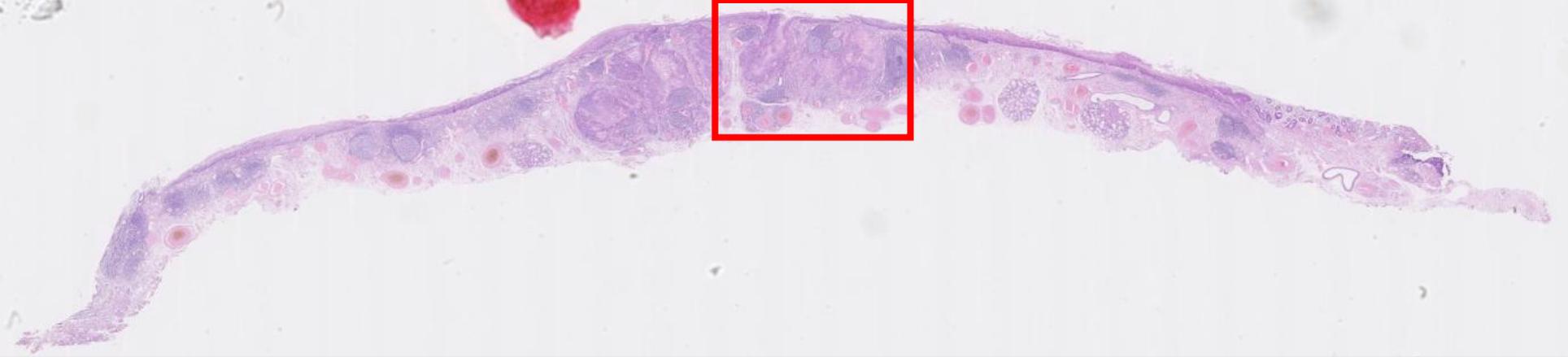
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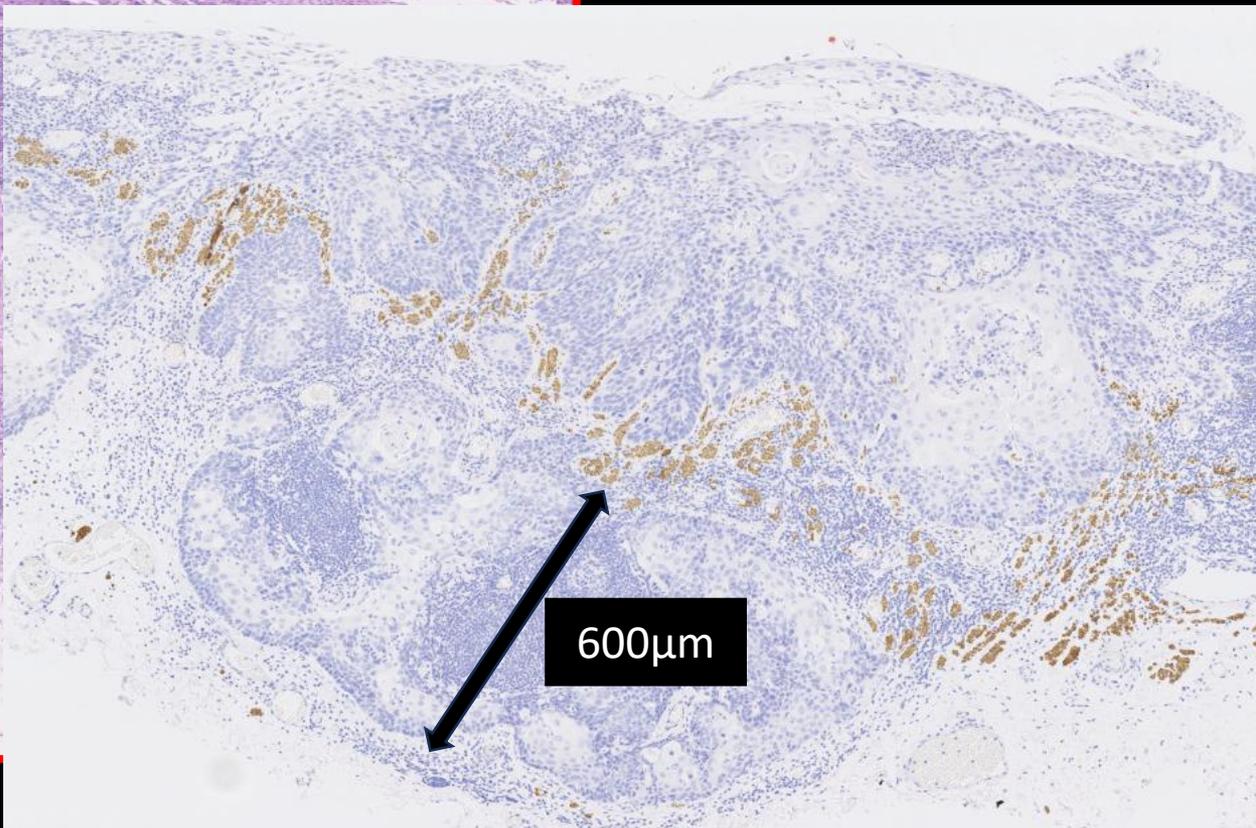
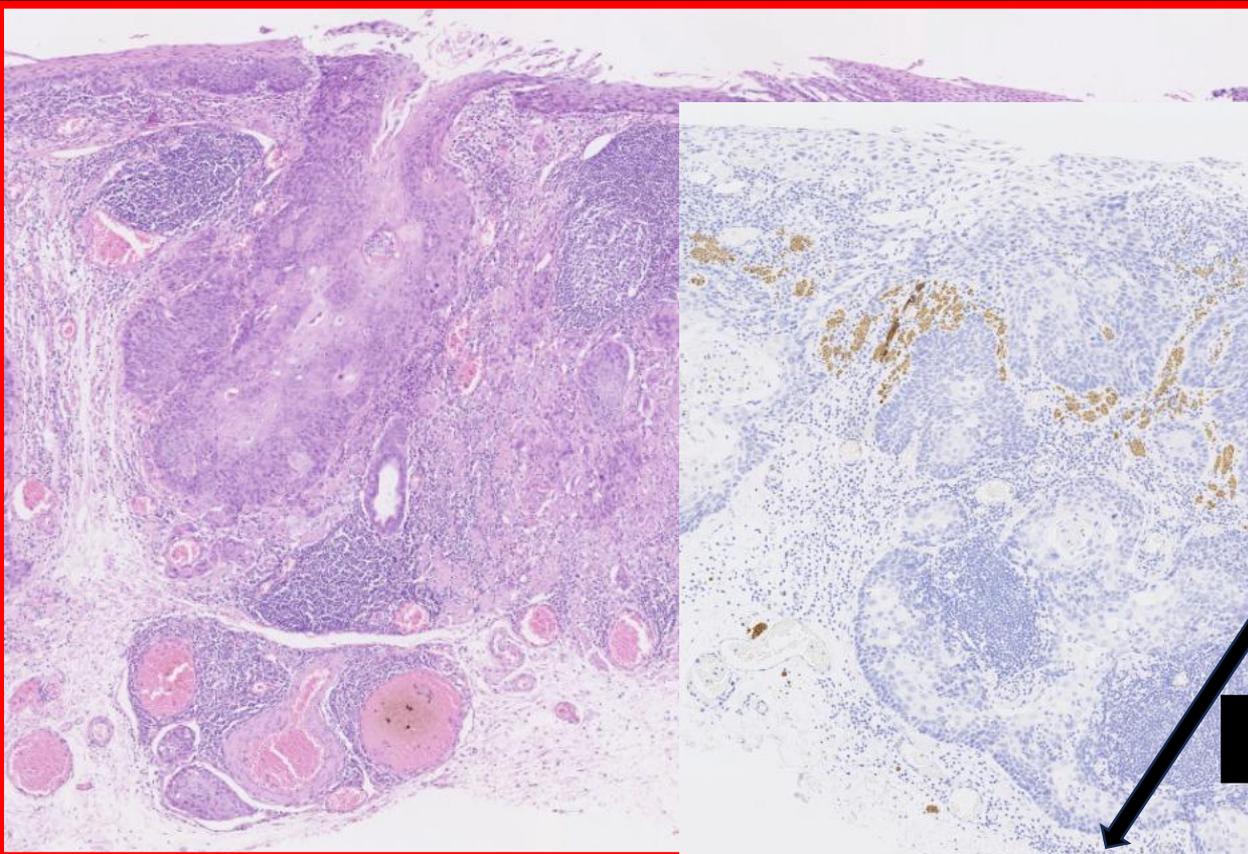
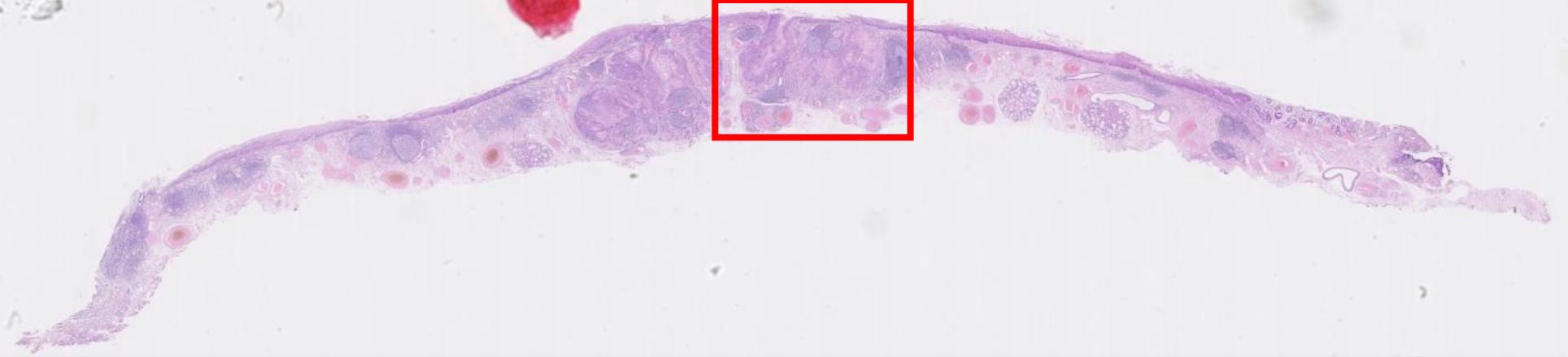
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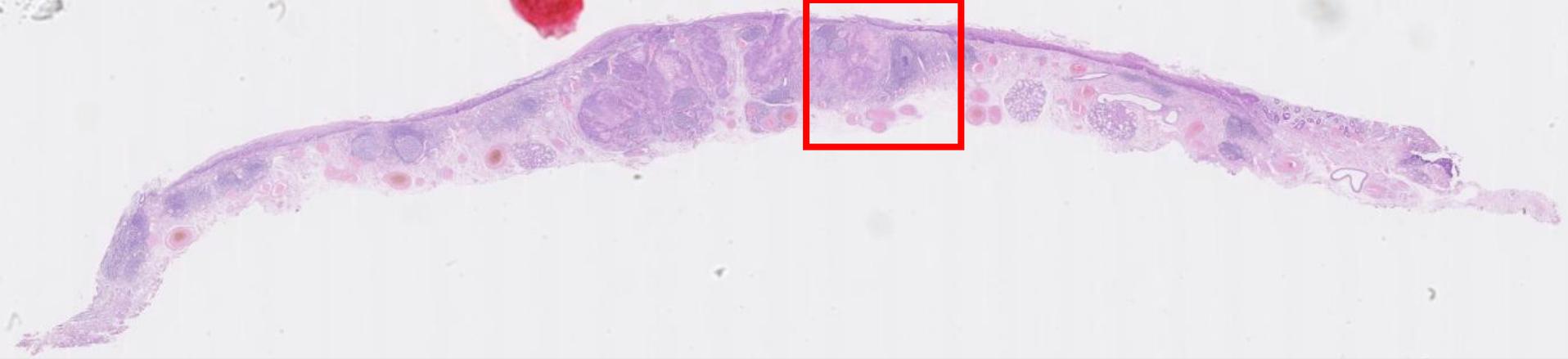


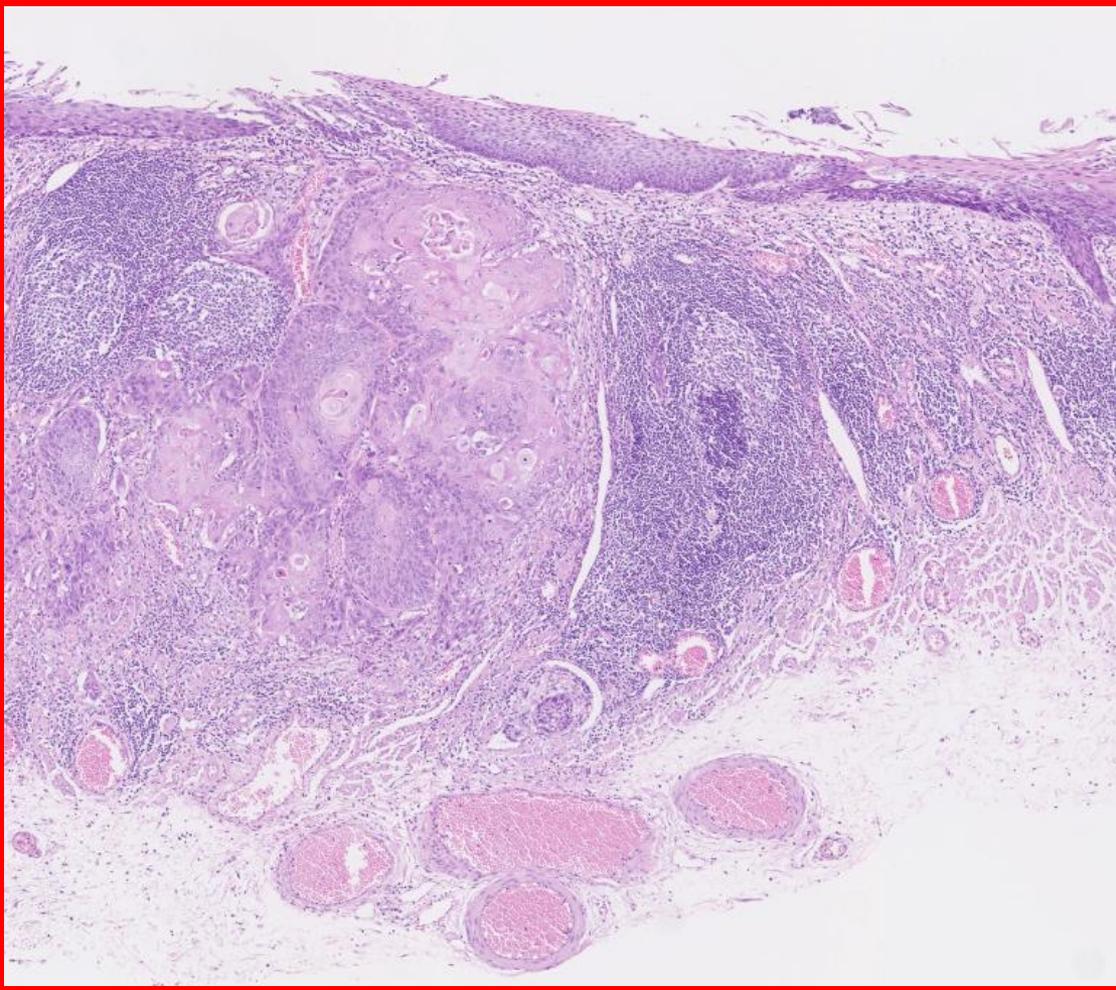
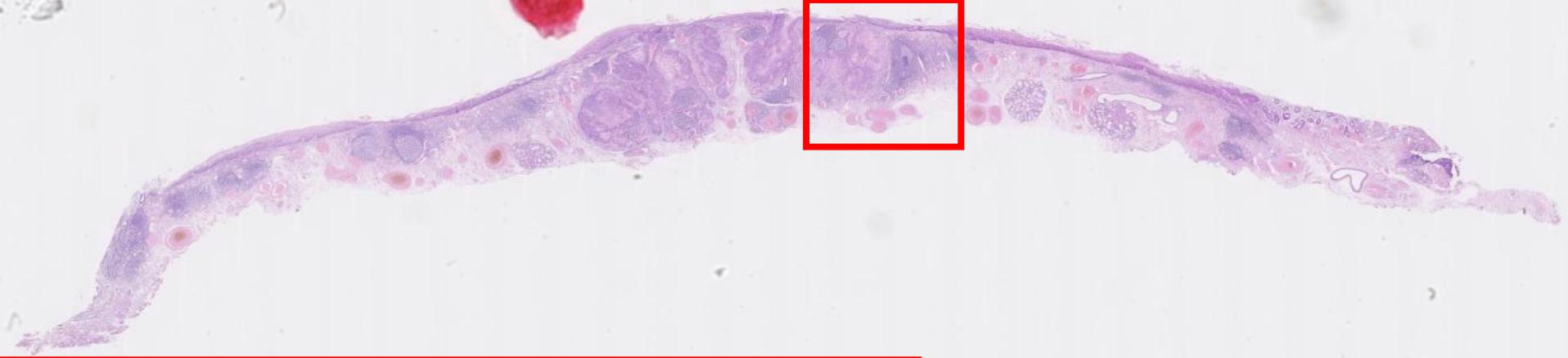


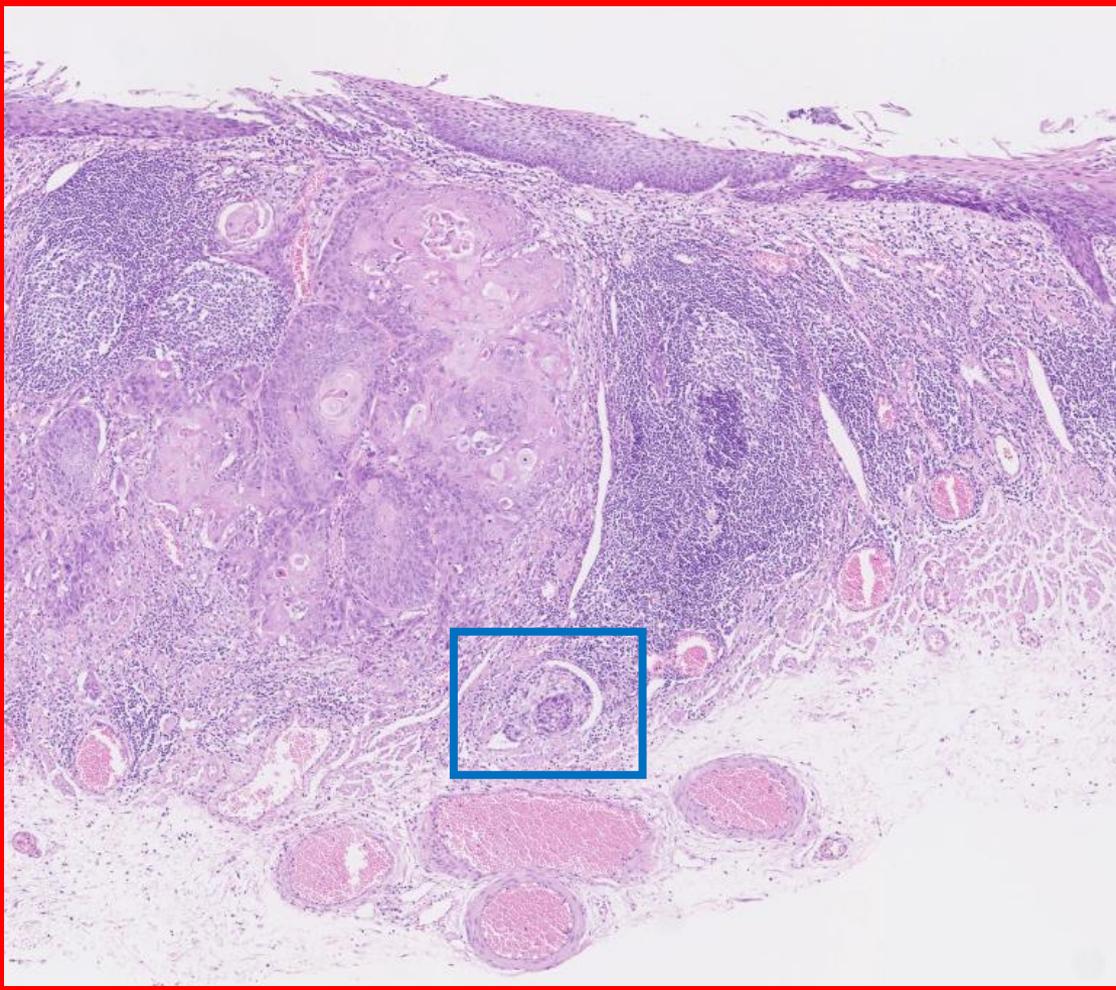
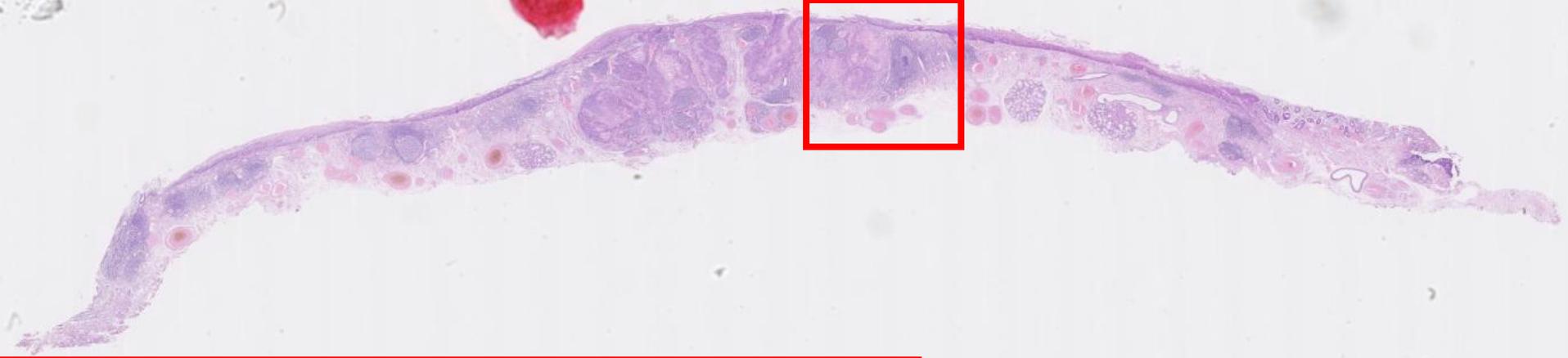


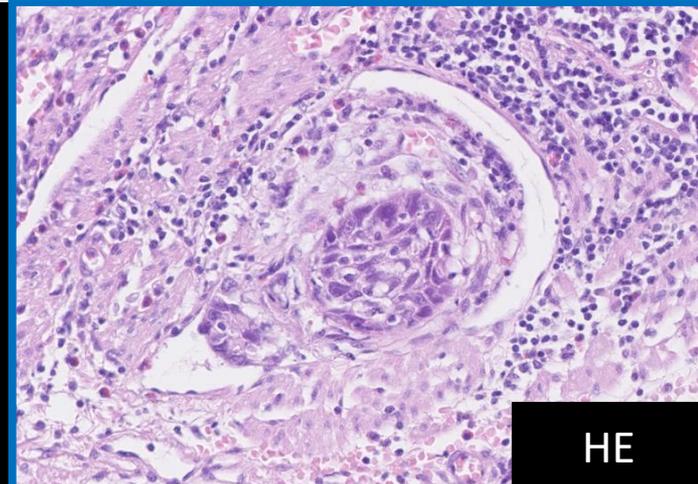
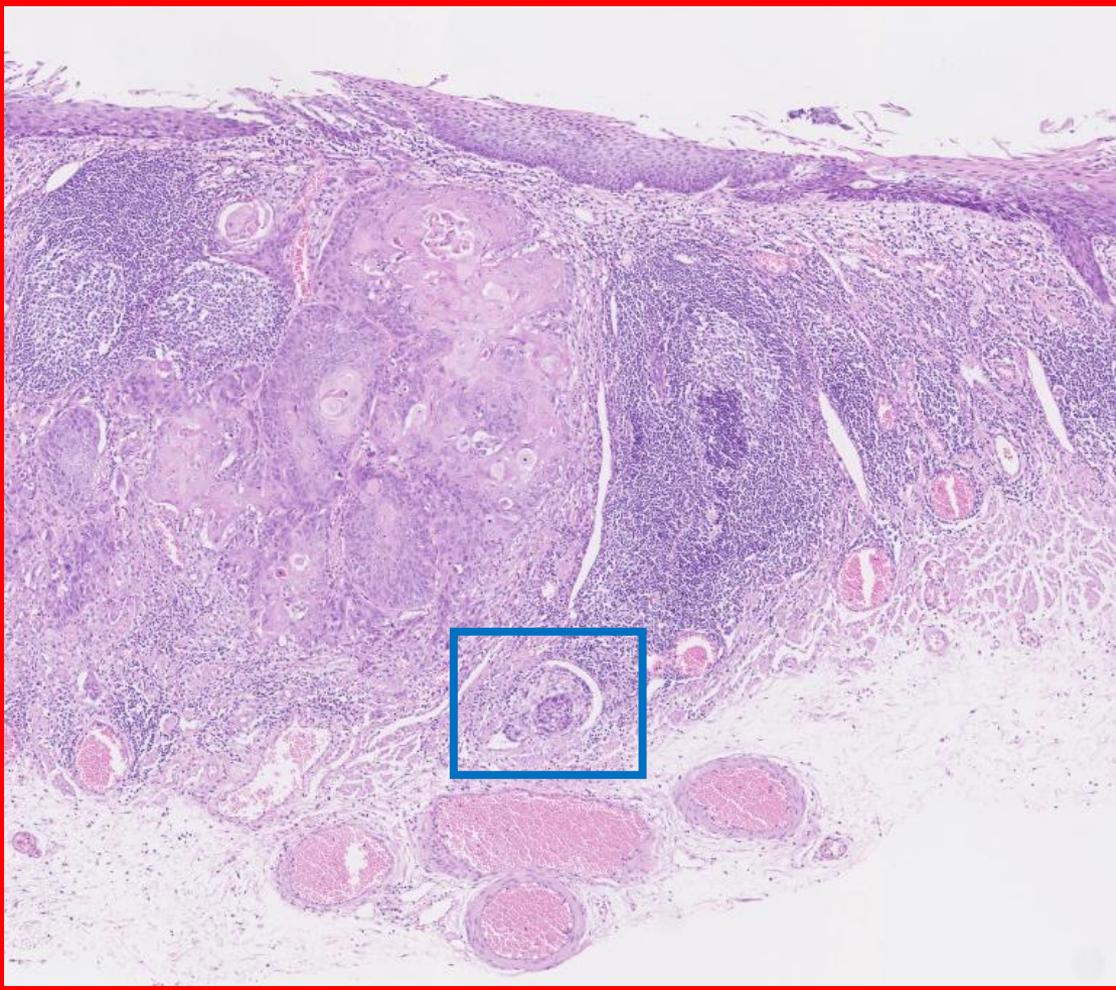
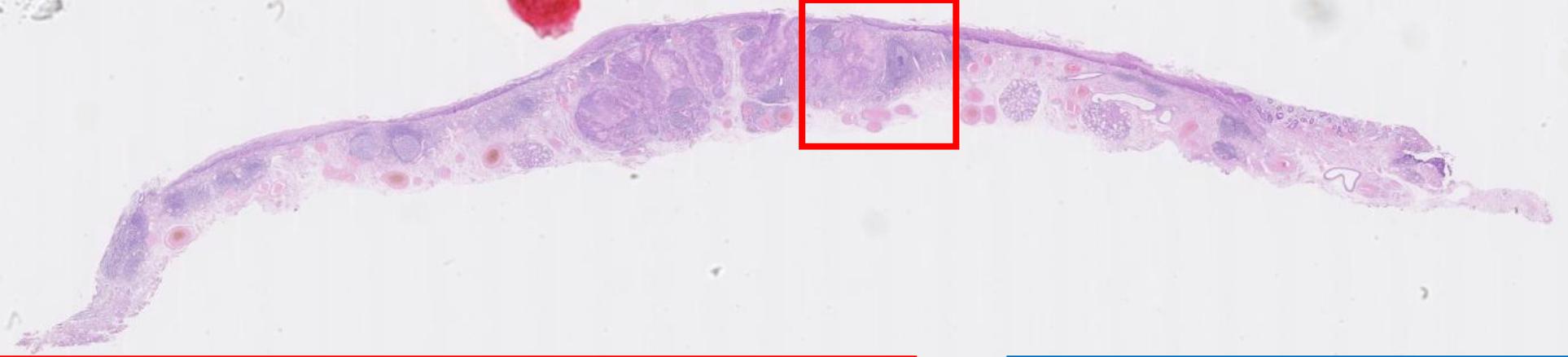


600µm

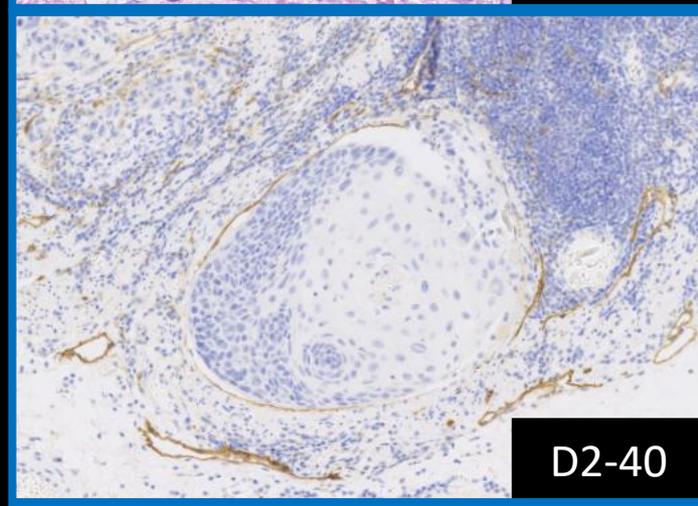








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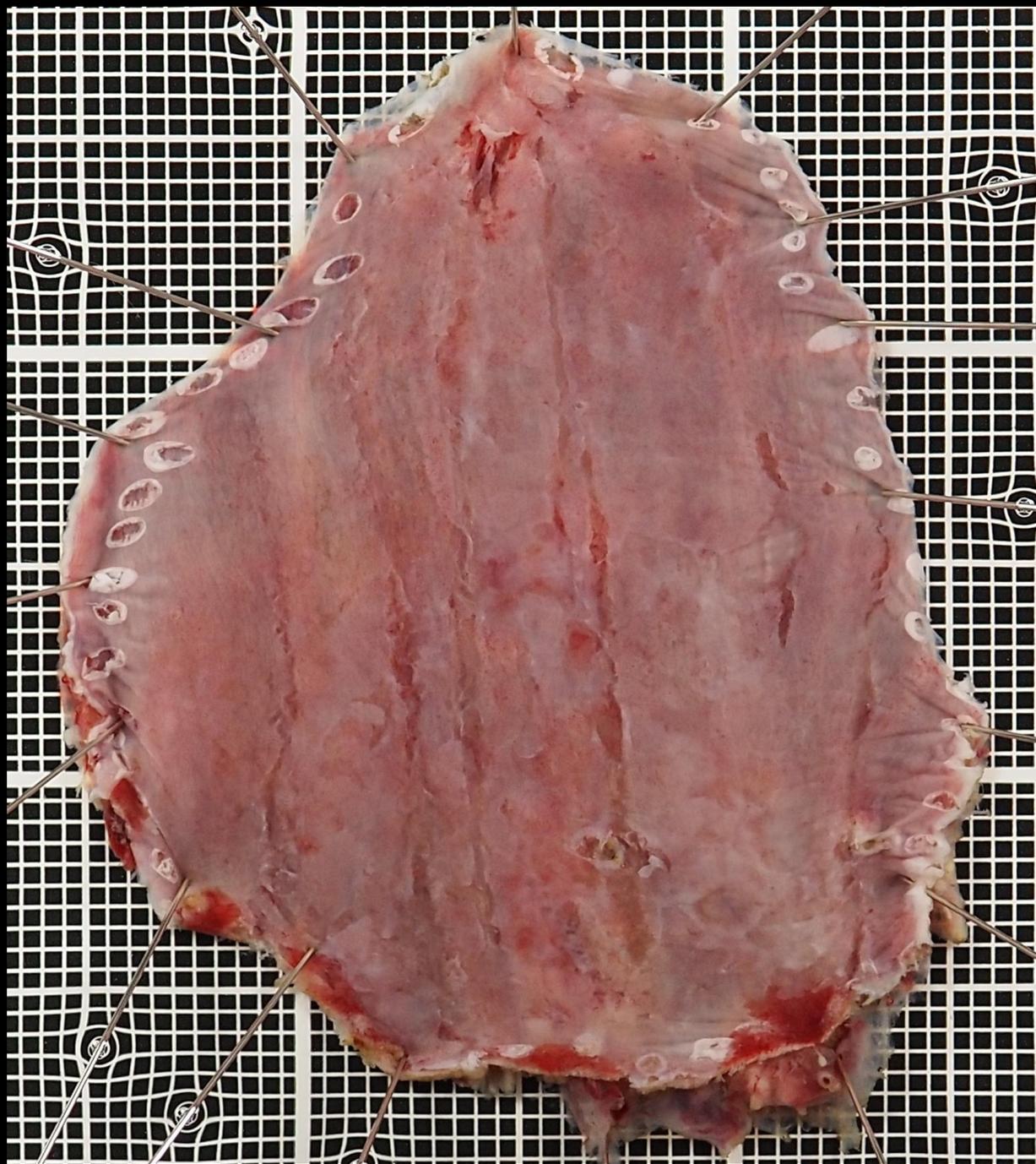
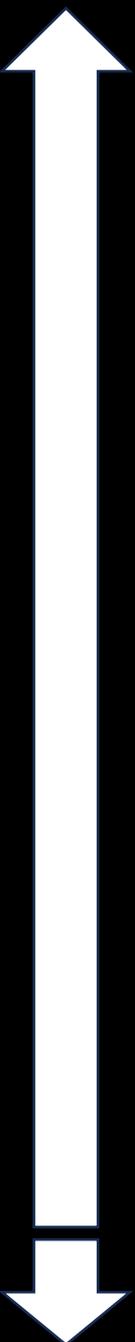
D2-40

# 病理診断

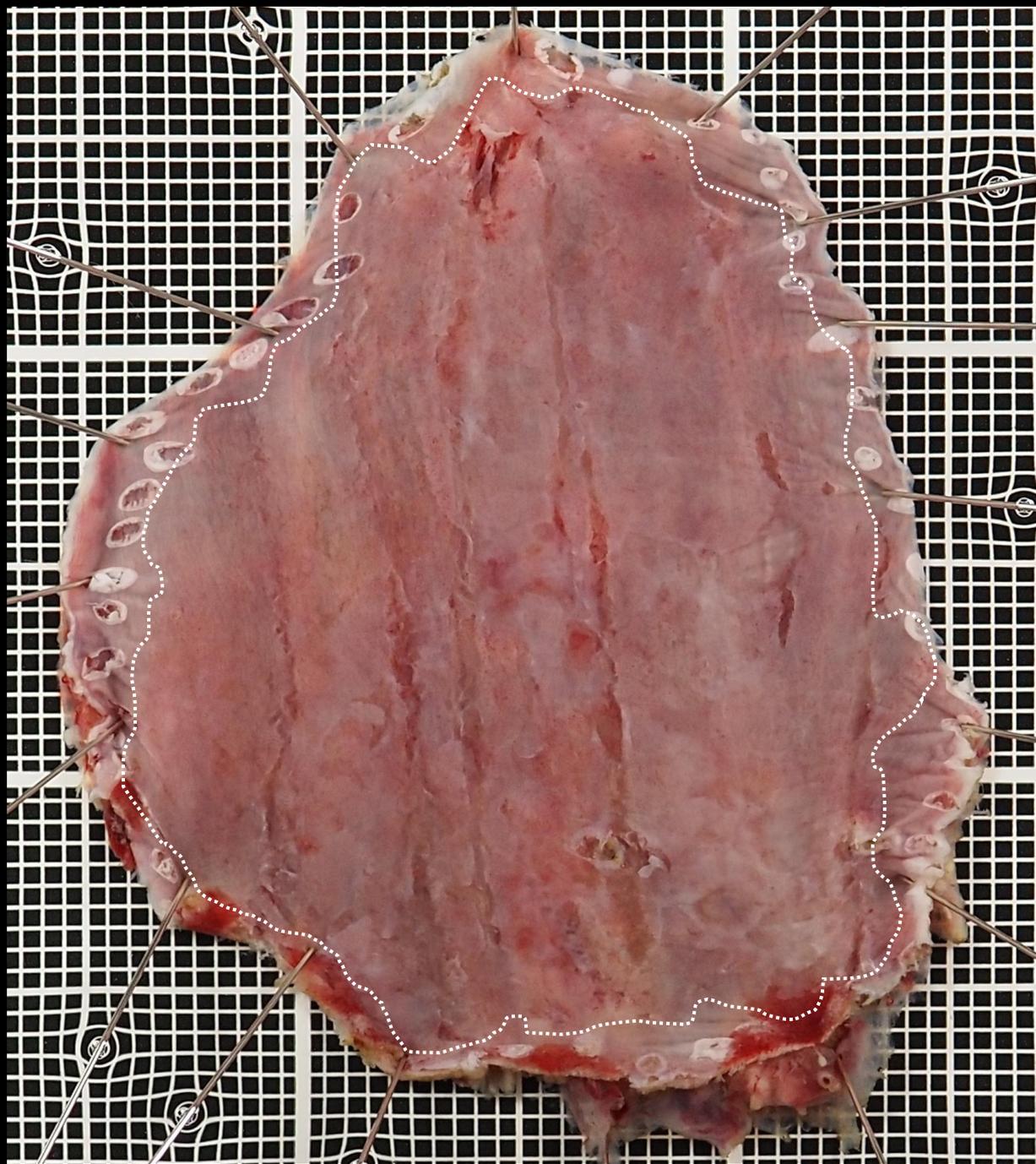
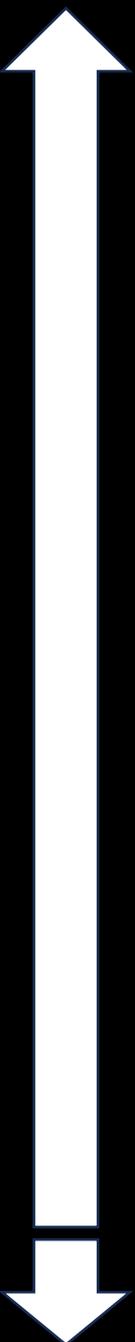
Moderately differentiated  
squamous cell carcinoma,  
pT1b, SM2, INFb, Ly1(D2-40, CD31),  
V0(EvG, CD31), HMX, VMX

mapping

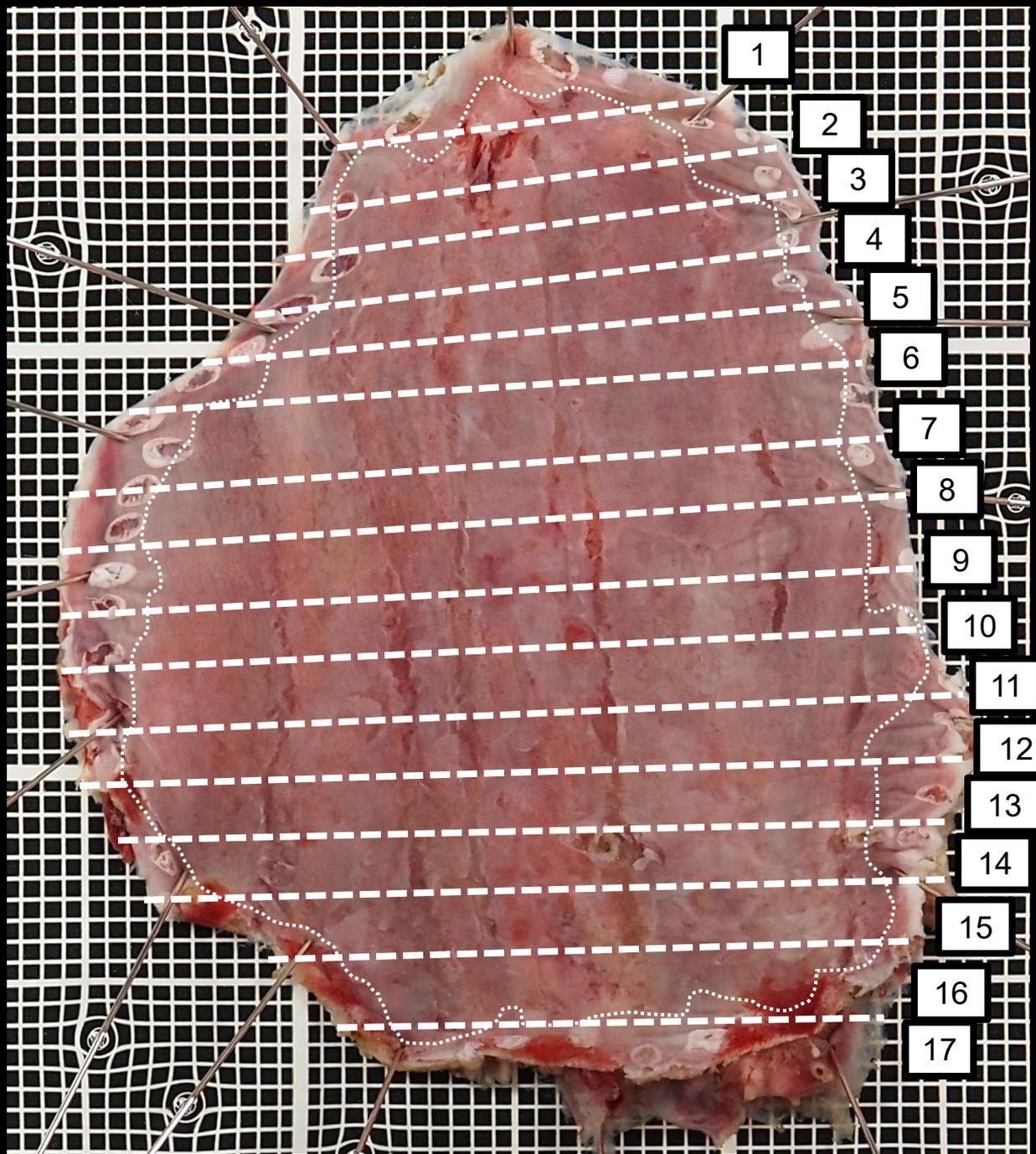
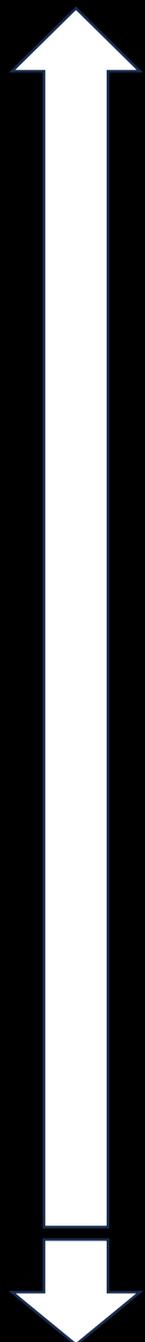
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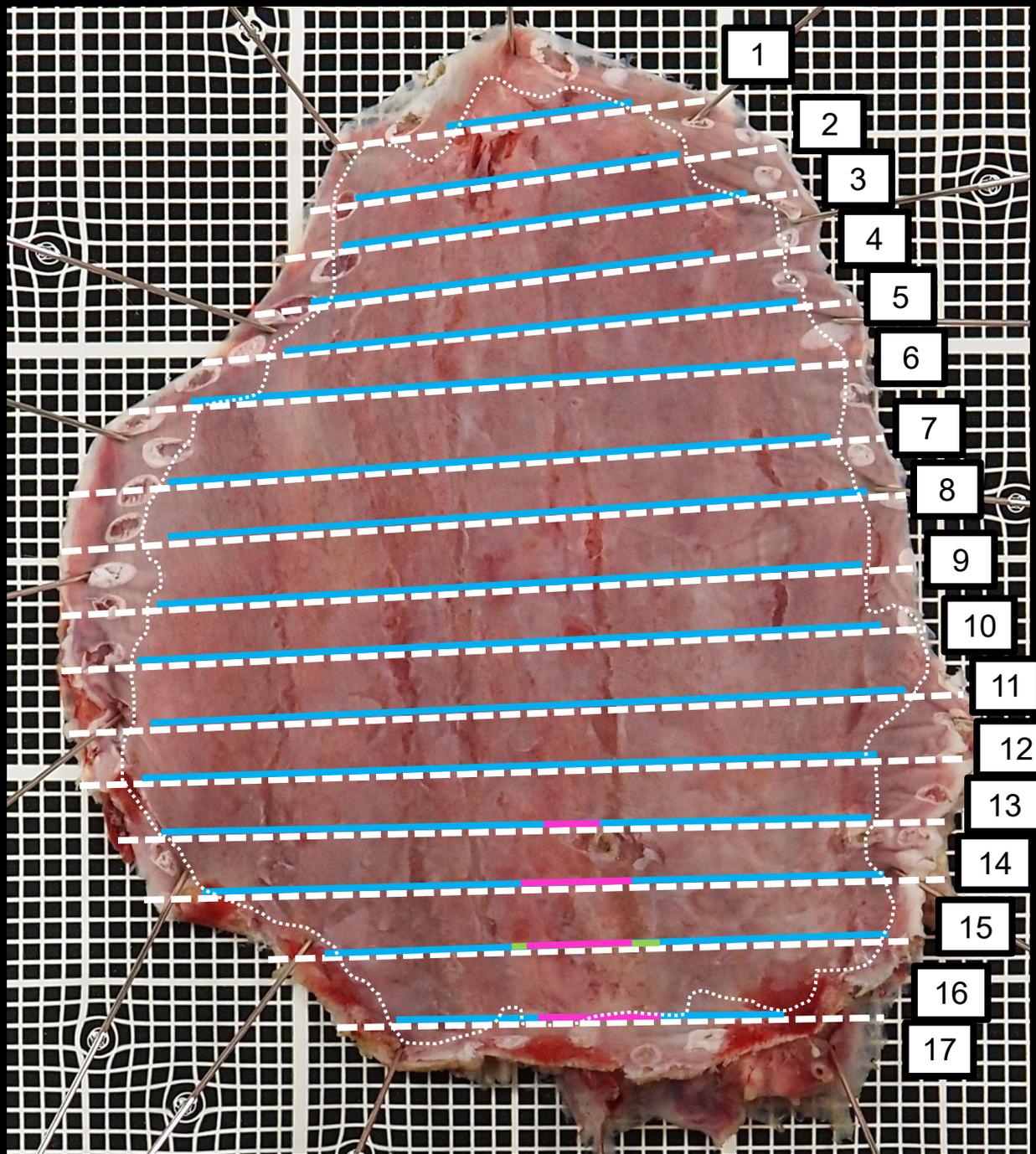
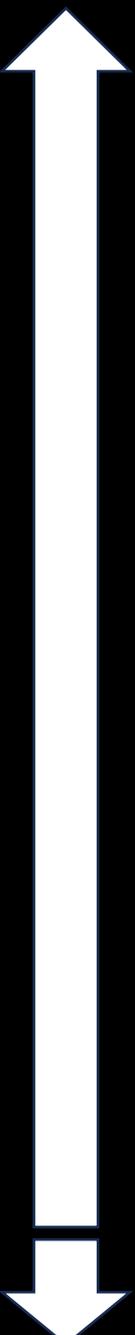
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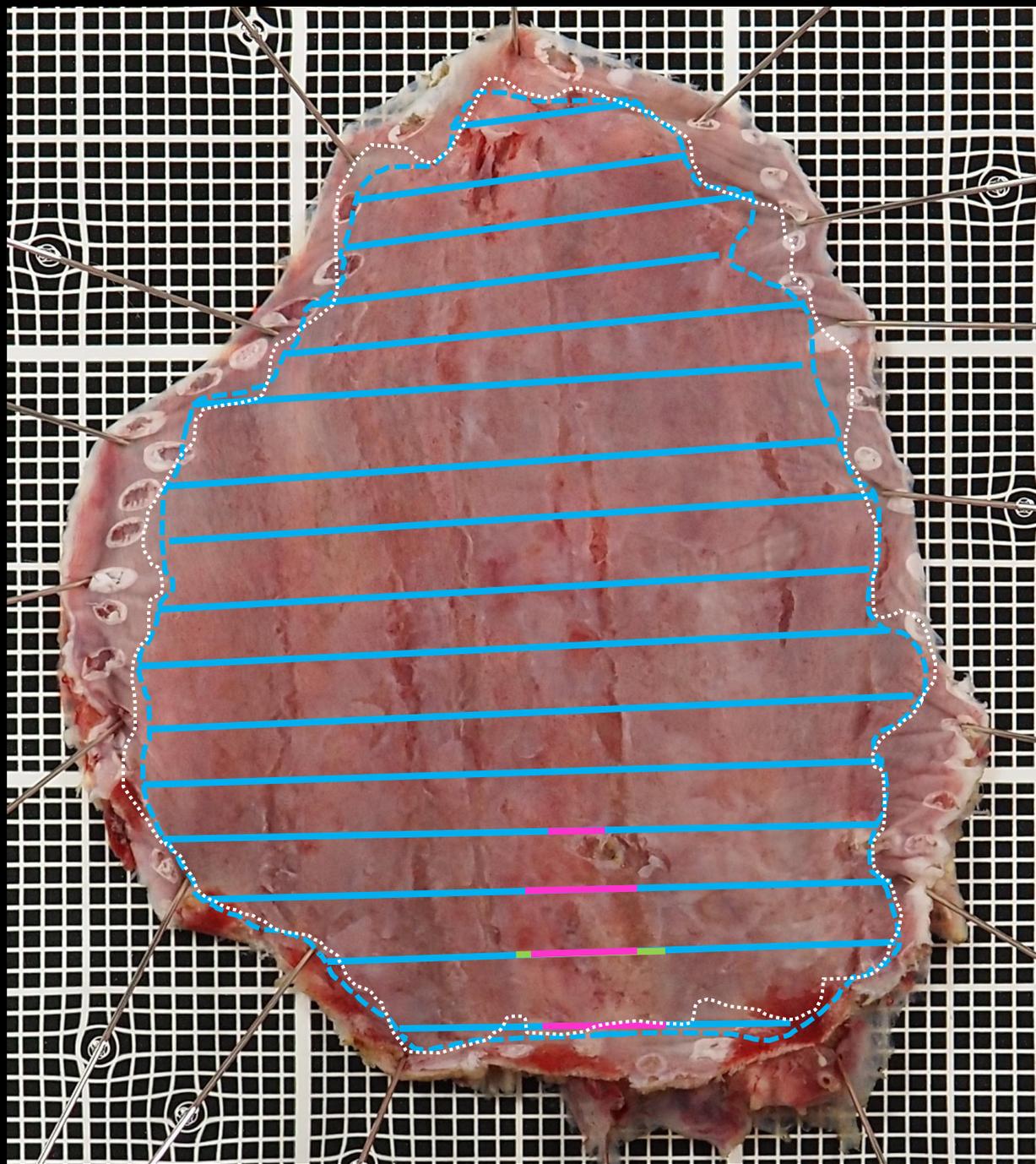
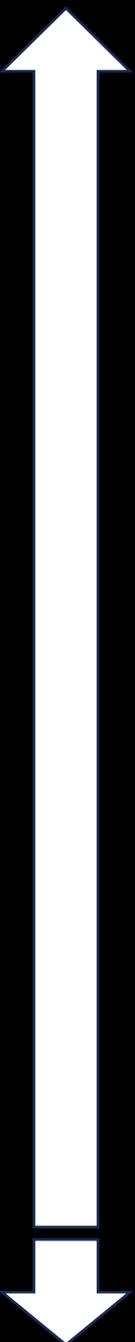
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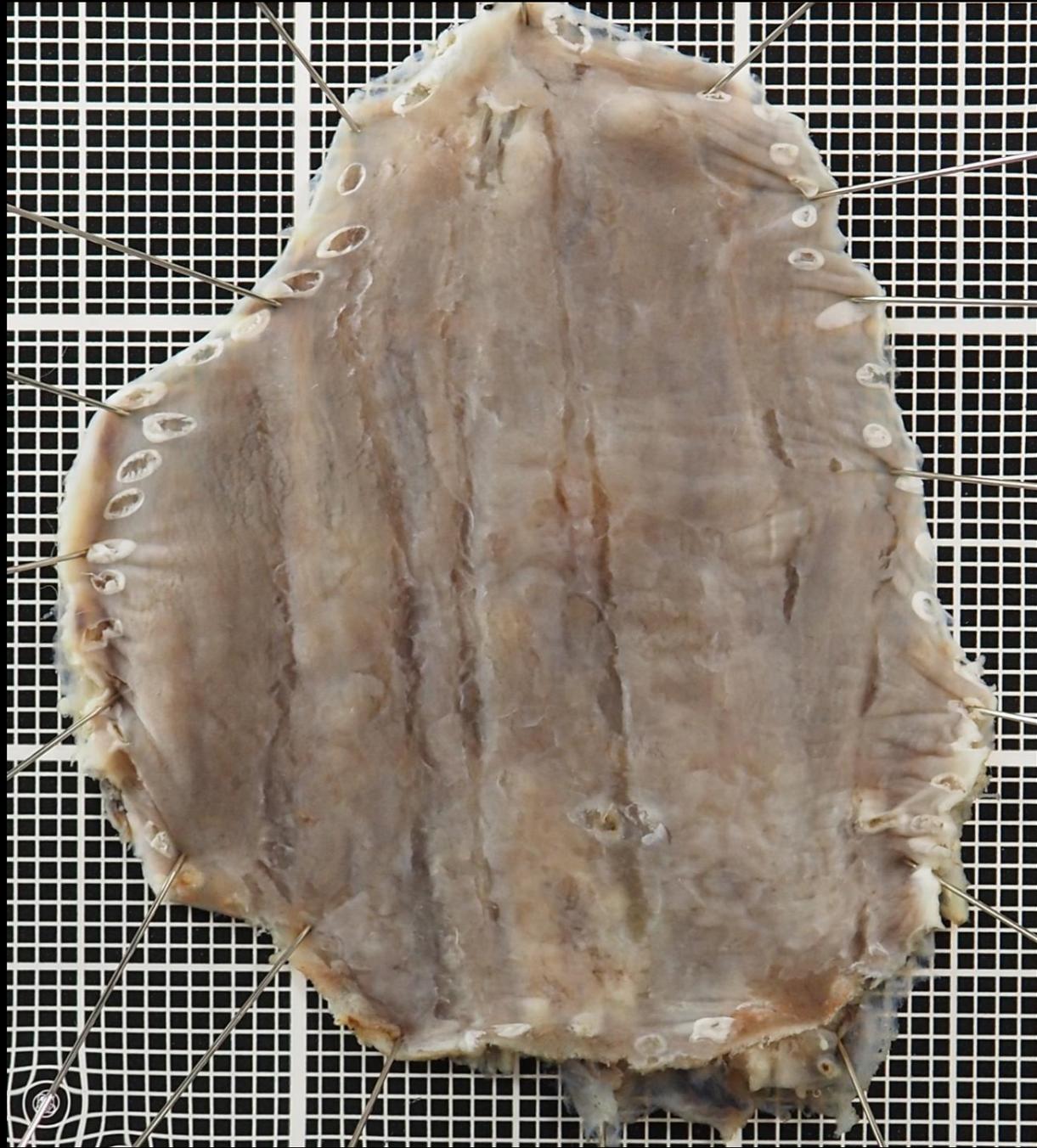
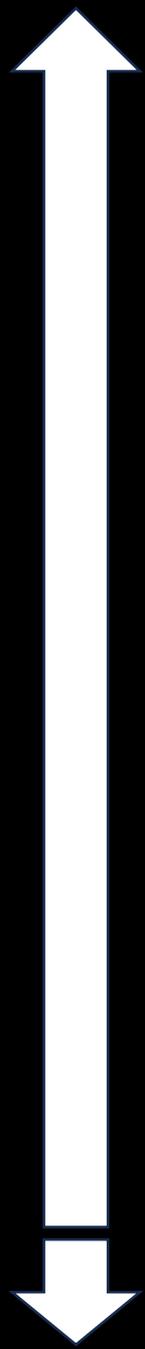
- EP/LPM
- MM
- SM1/2

oral

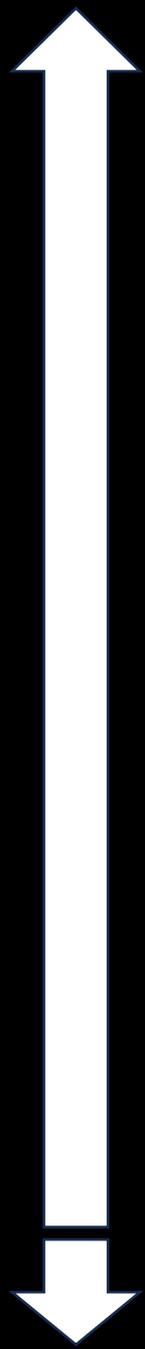


- EP/LPM
- MM
- SM1/2

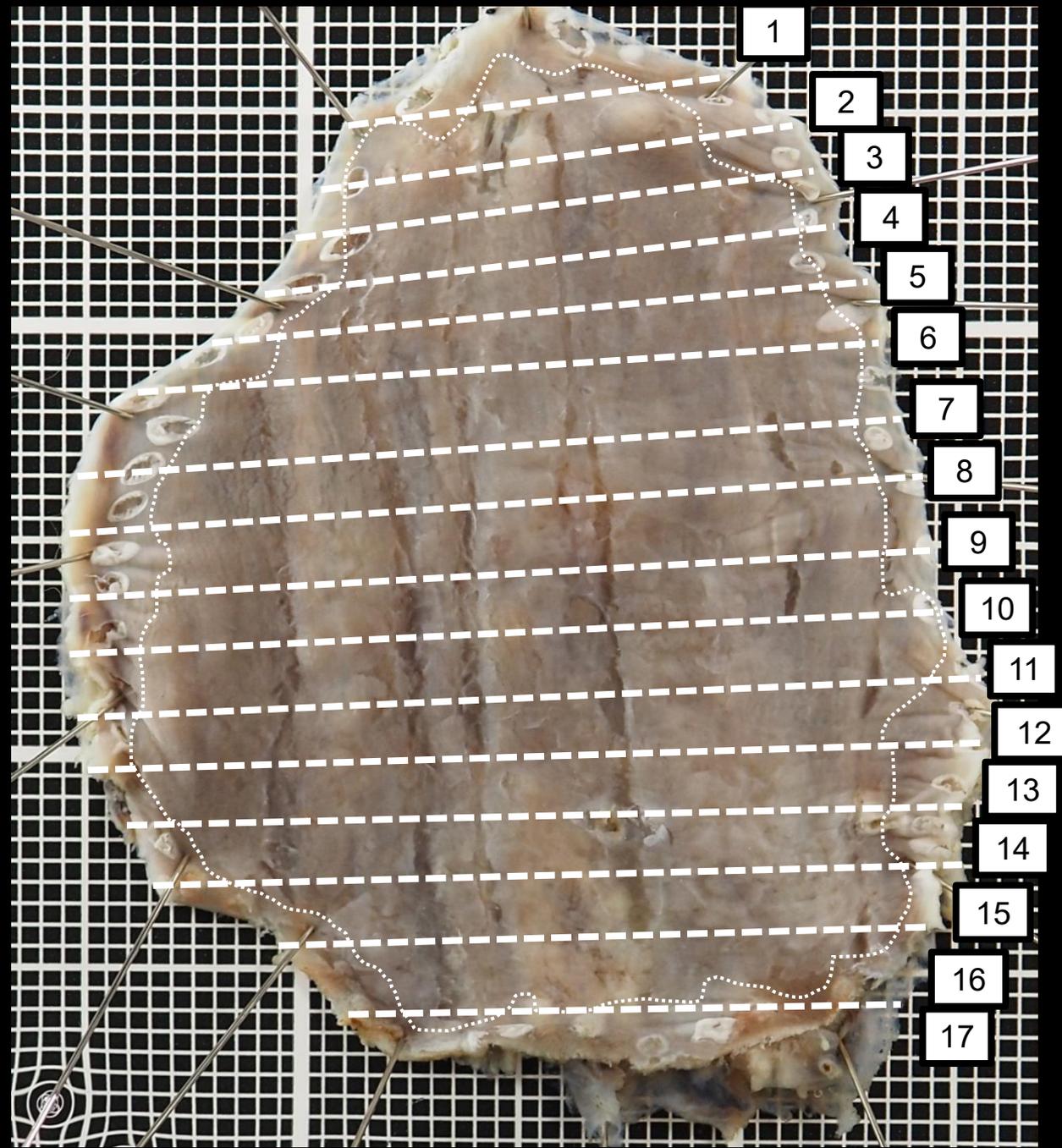
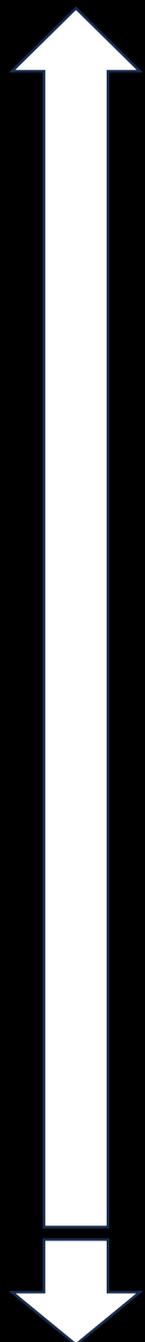
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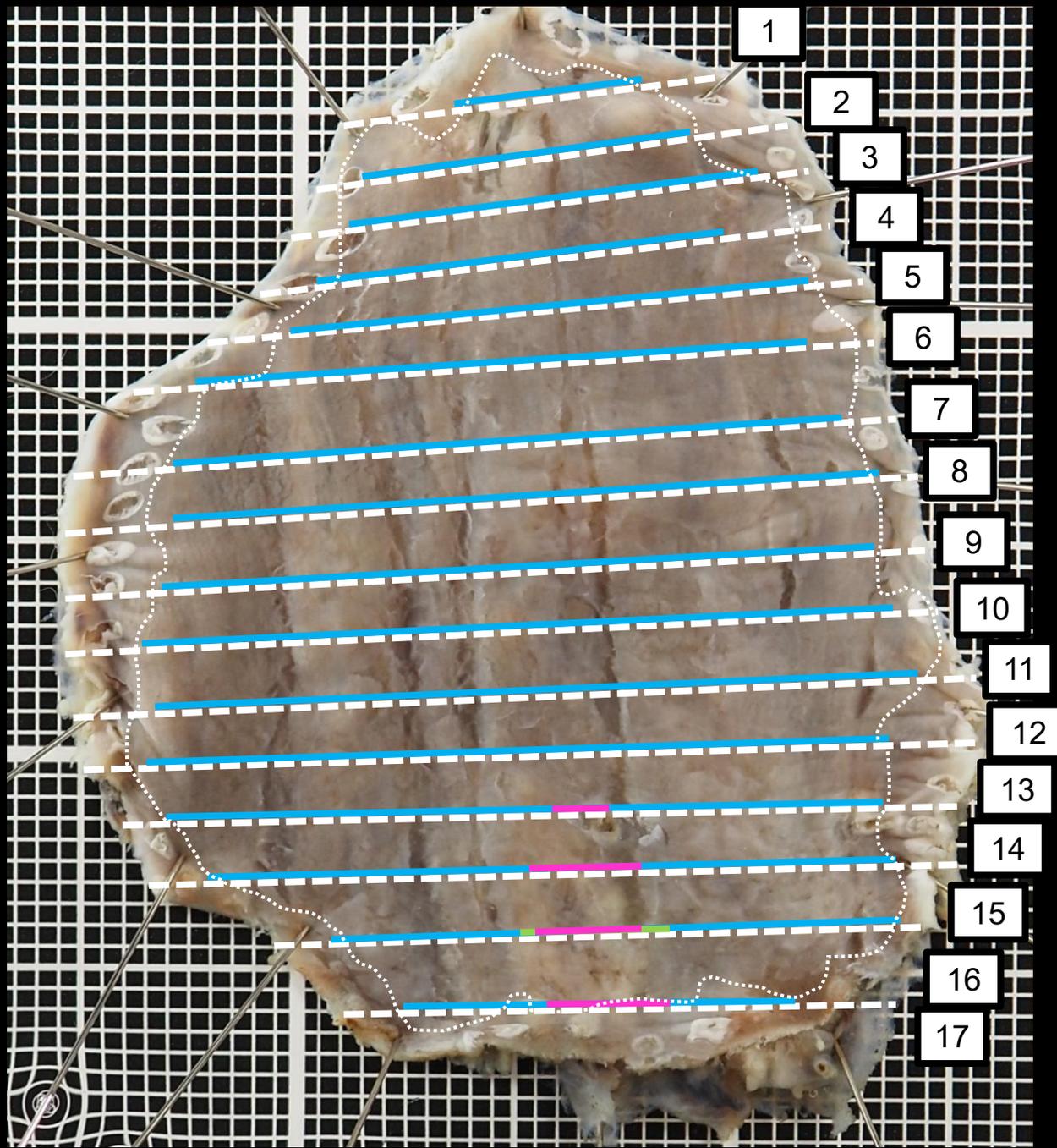
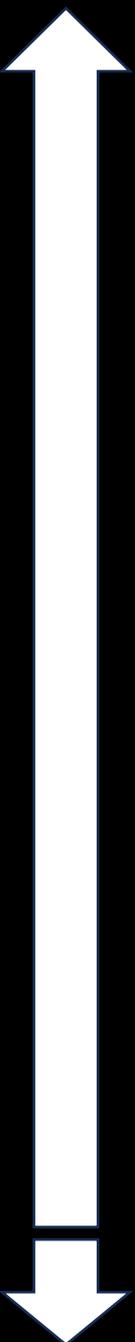
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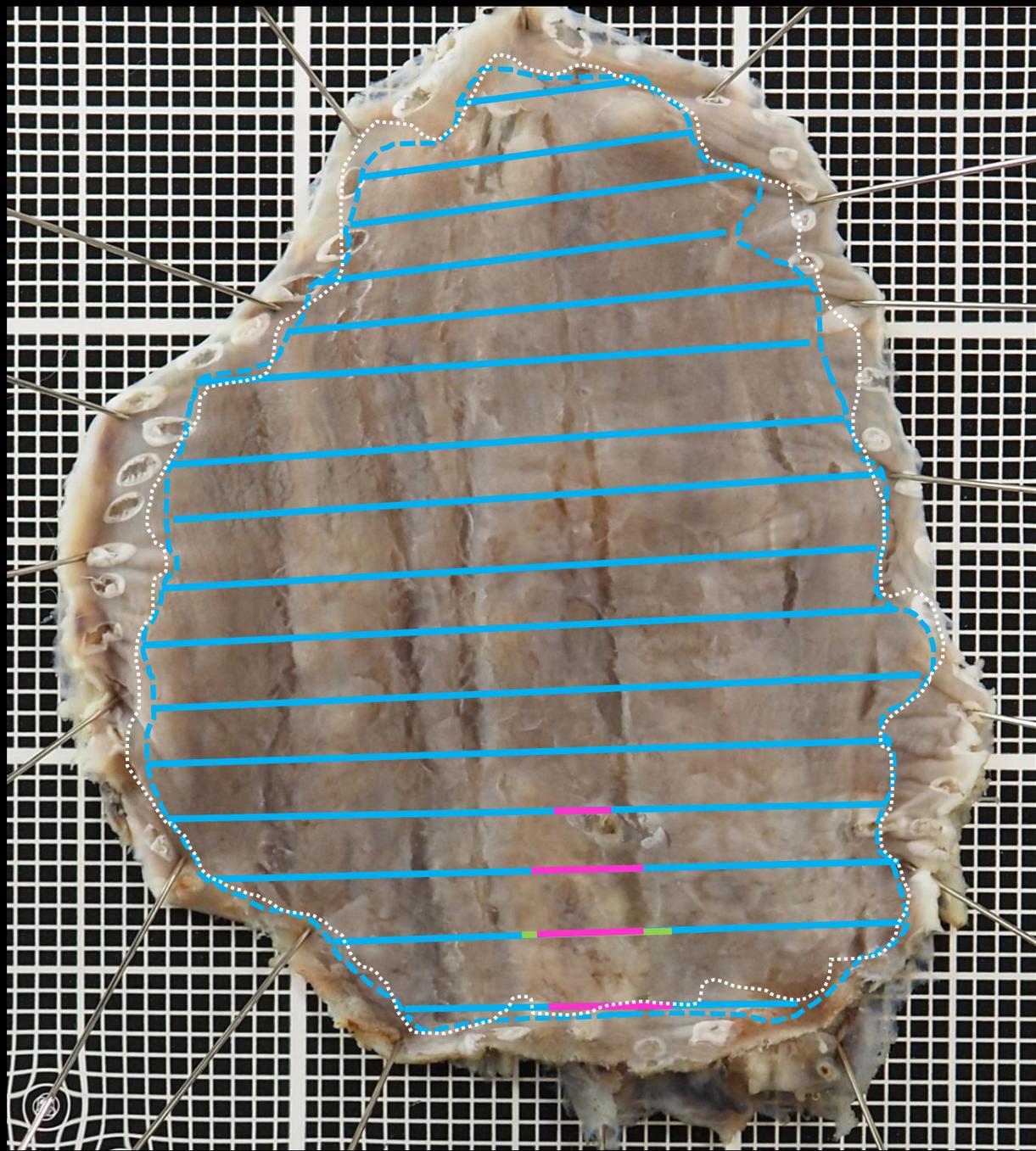
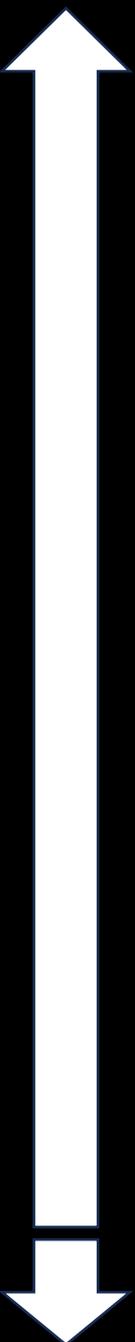
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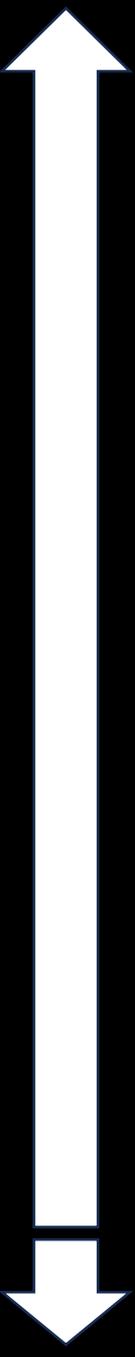
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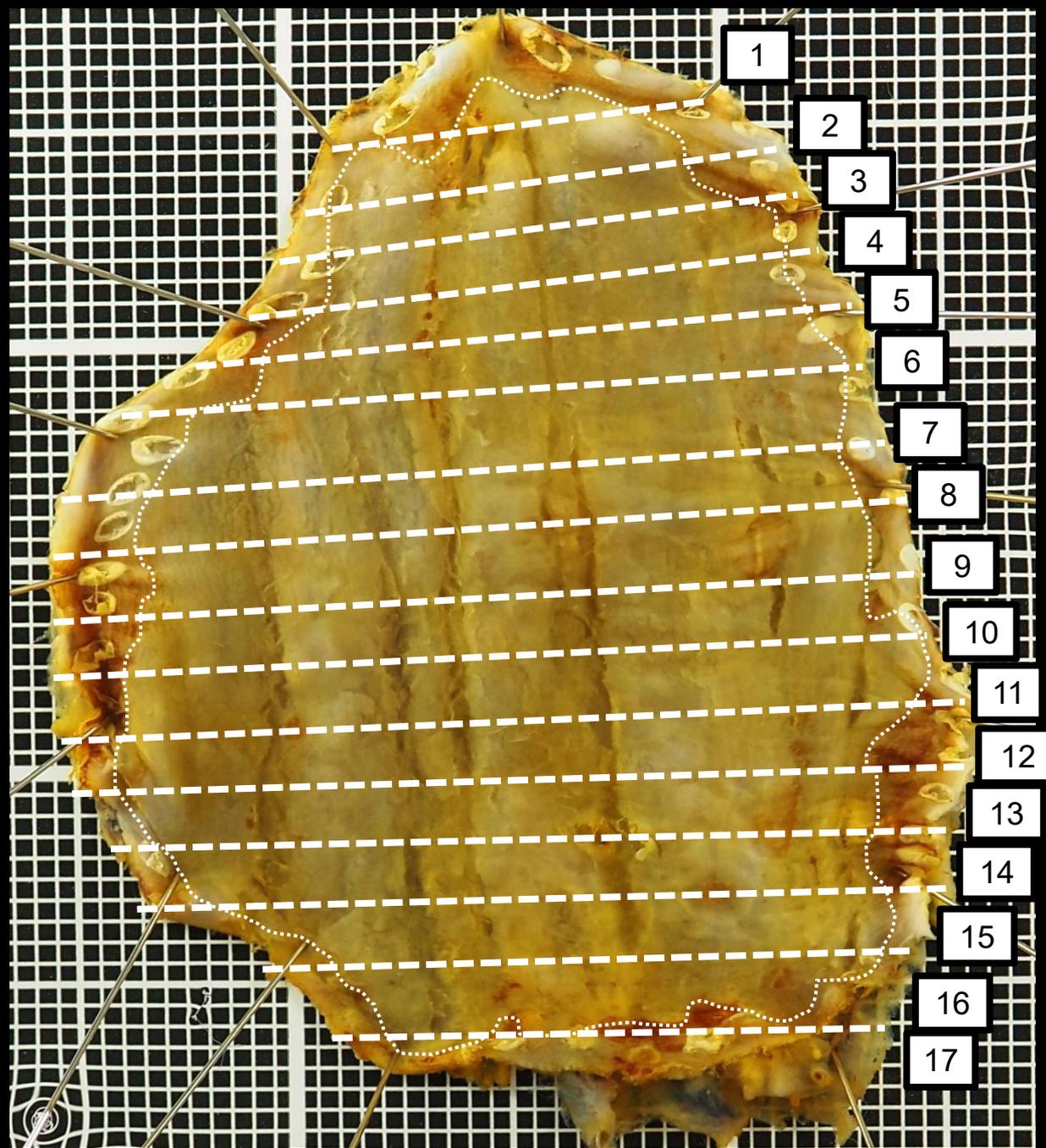
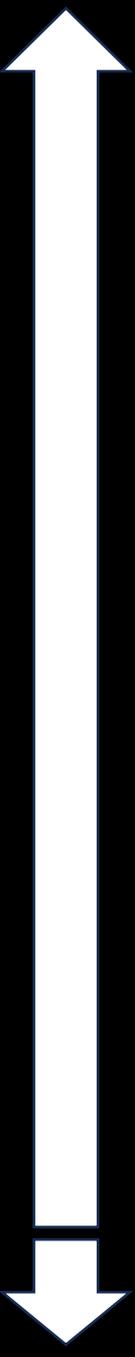
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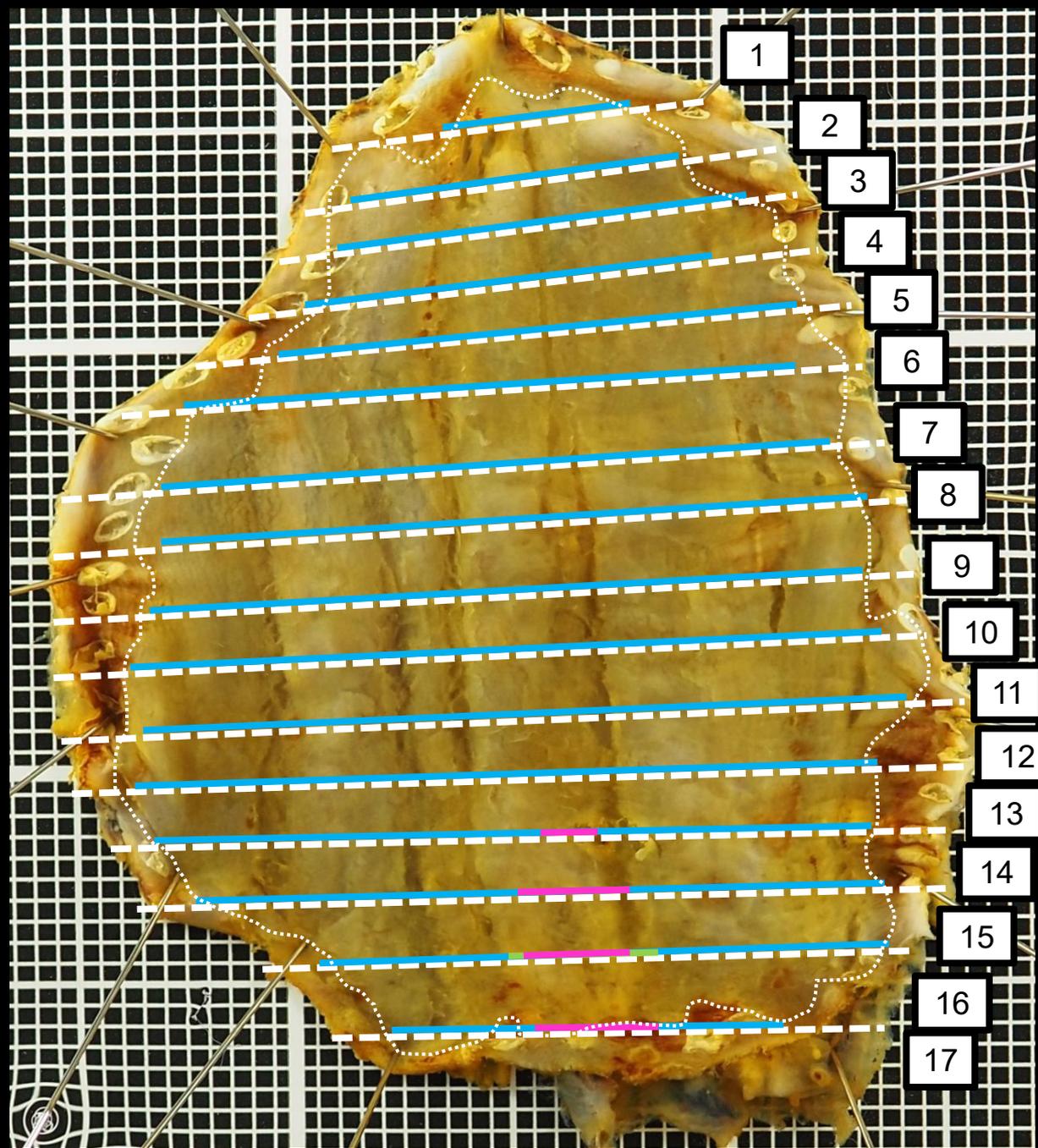
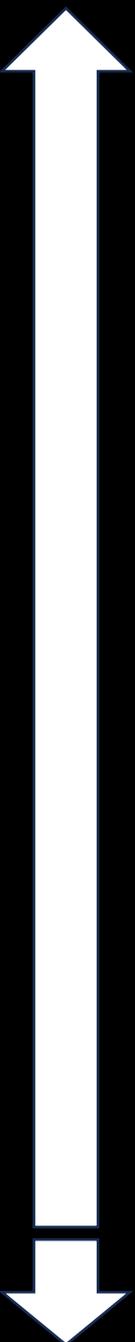
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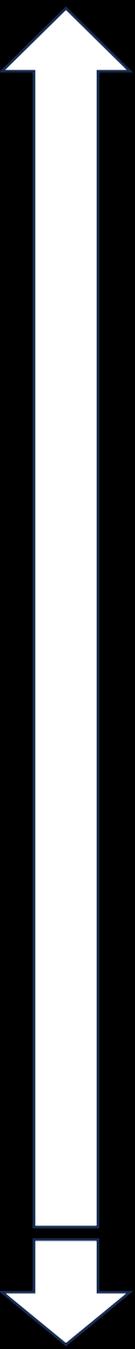
oral



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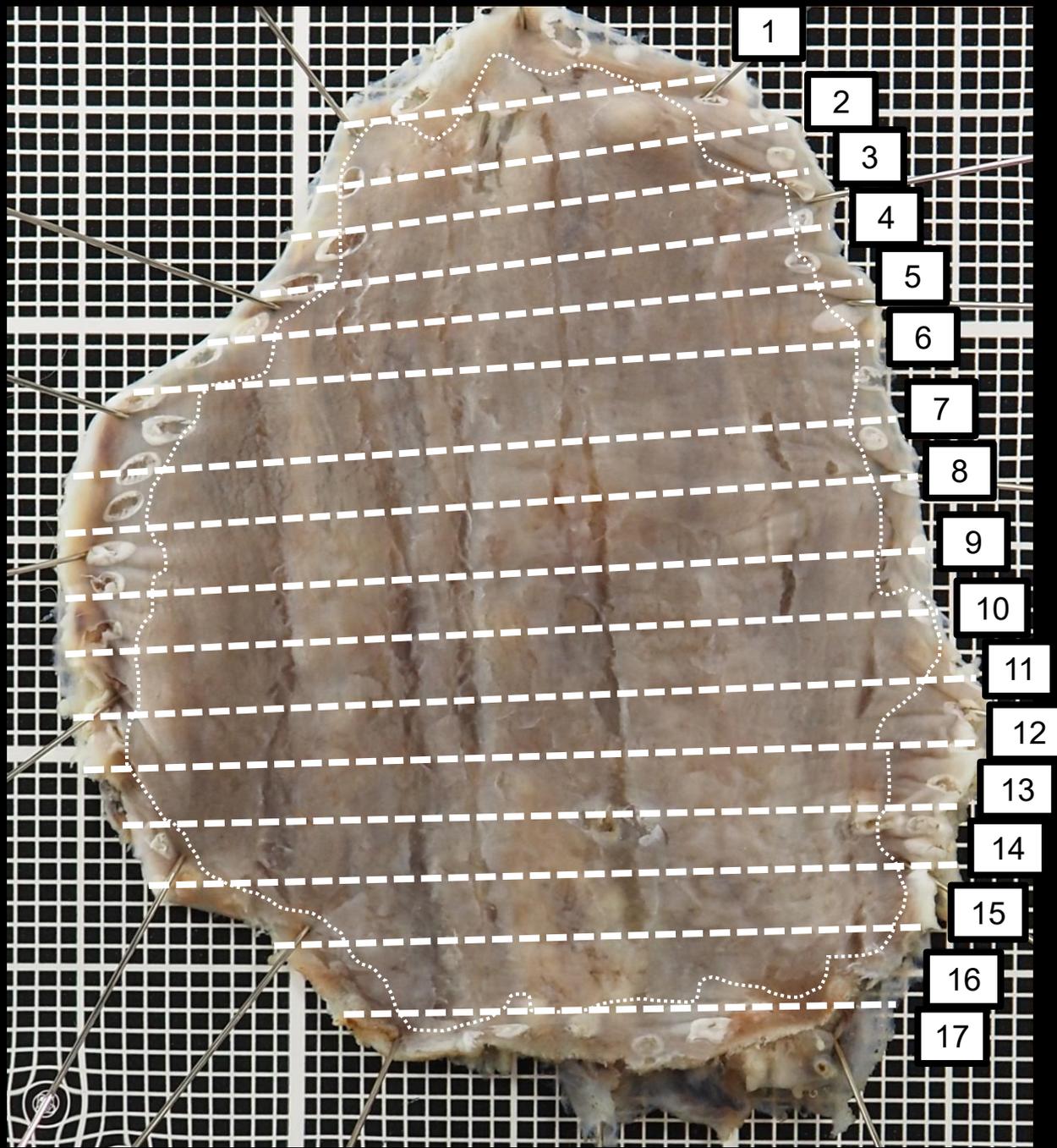
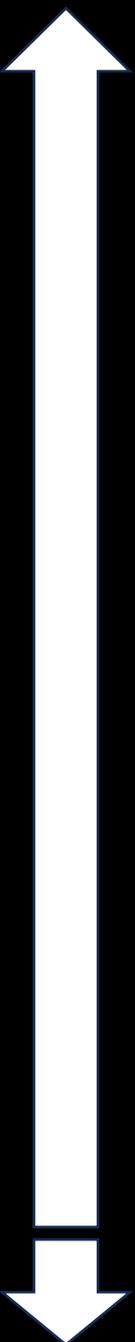
-  EP/LPM
-  MM
-  SM1/2

oral



- EP/LPM
- MM
- SM1/2

oral



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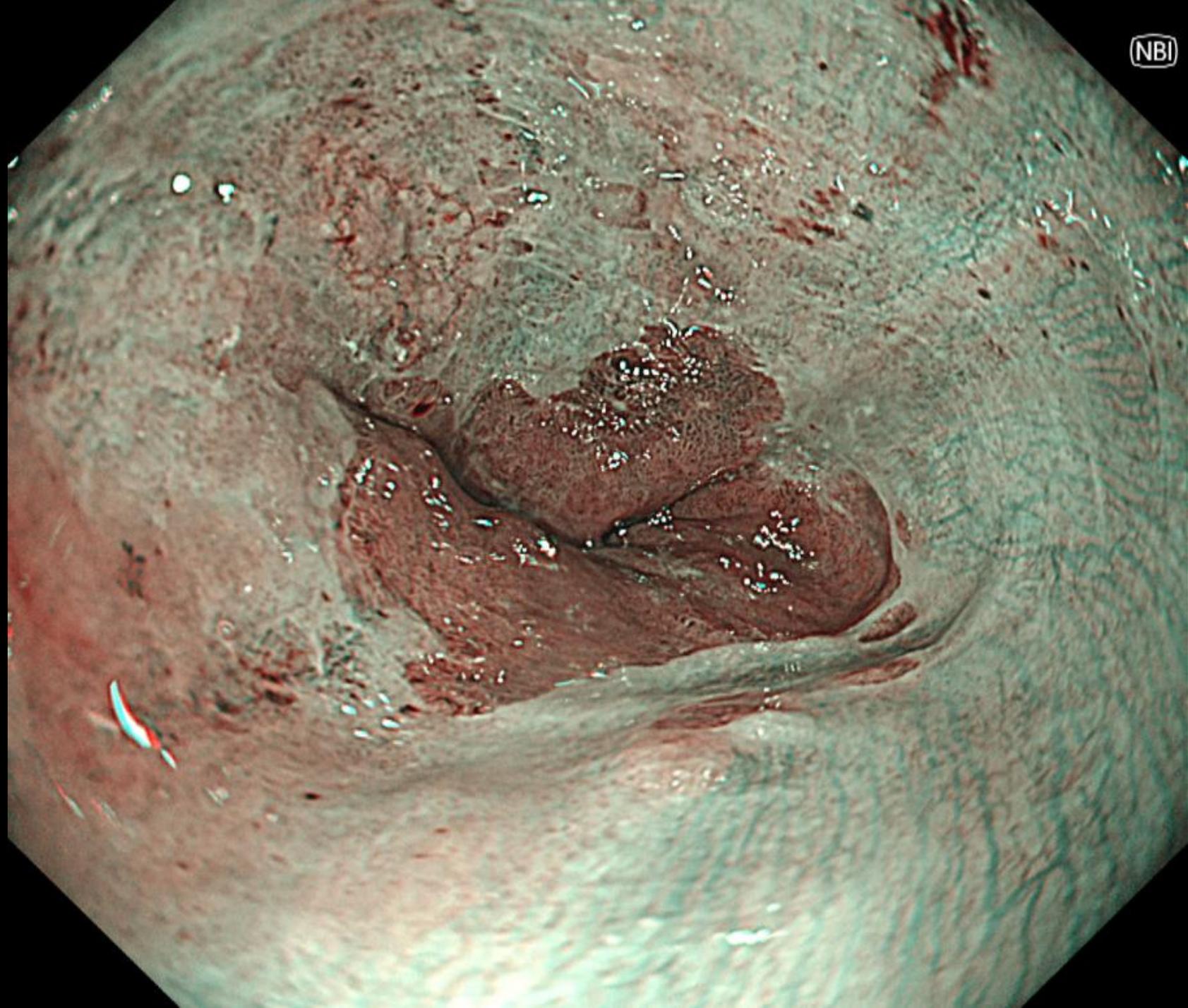
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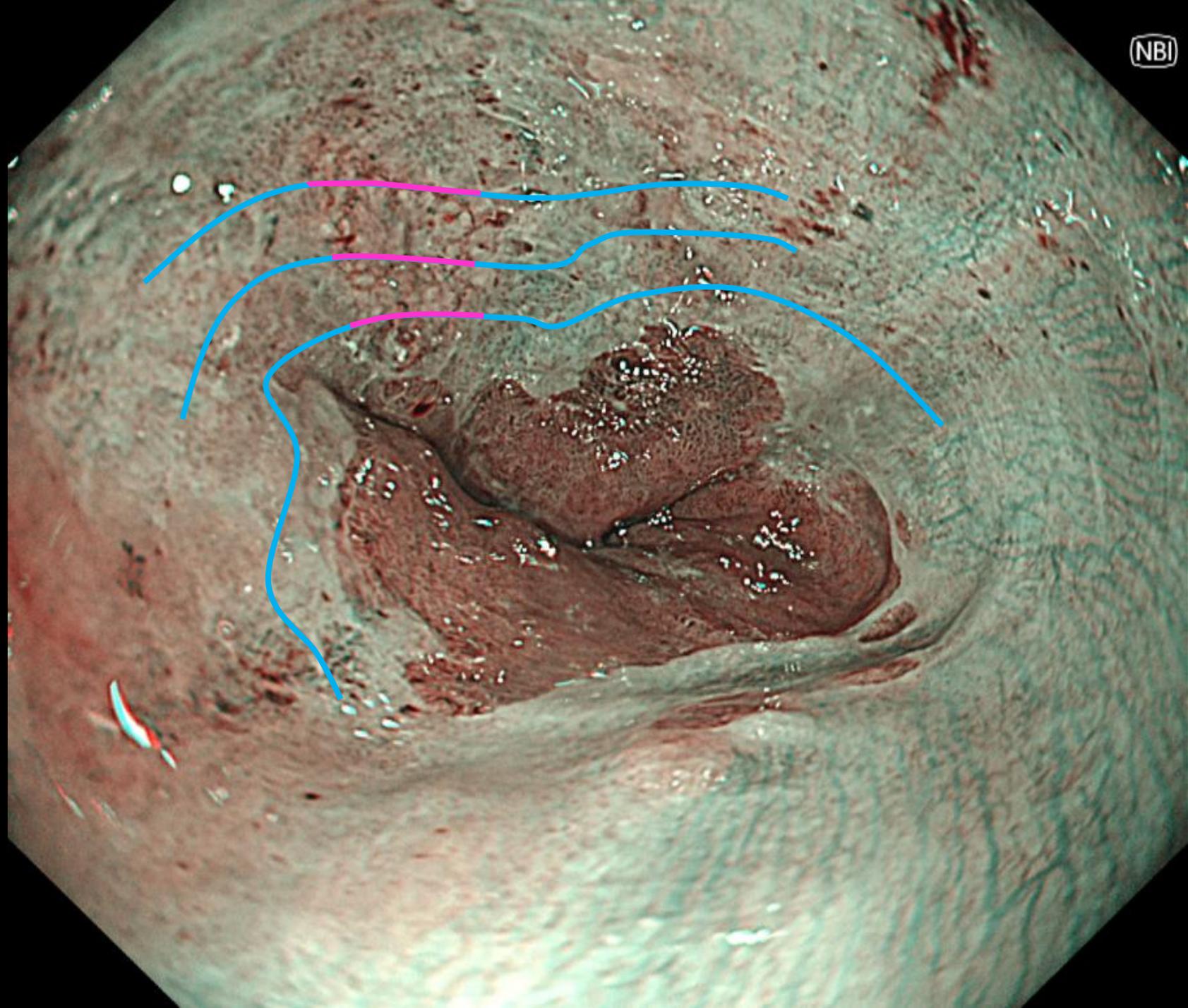
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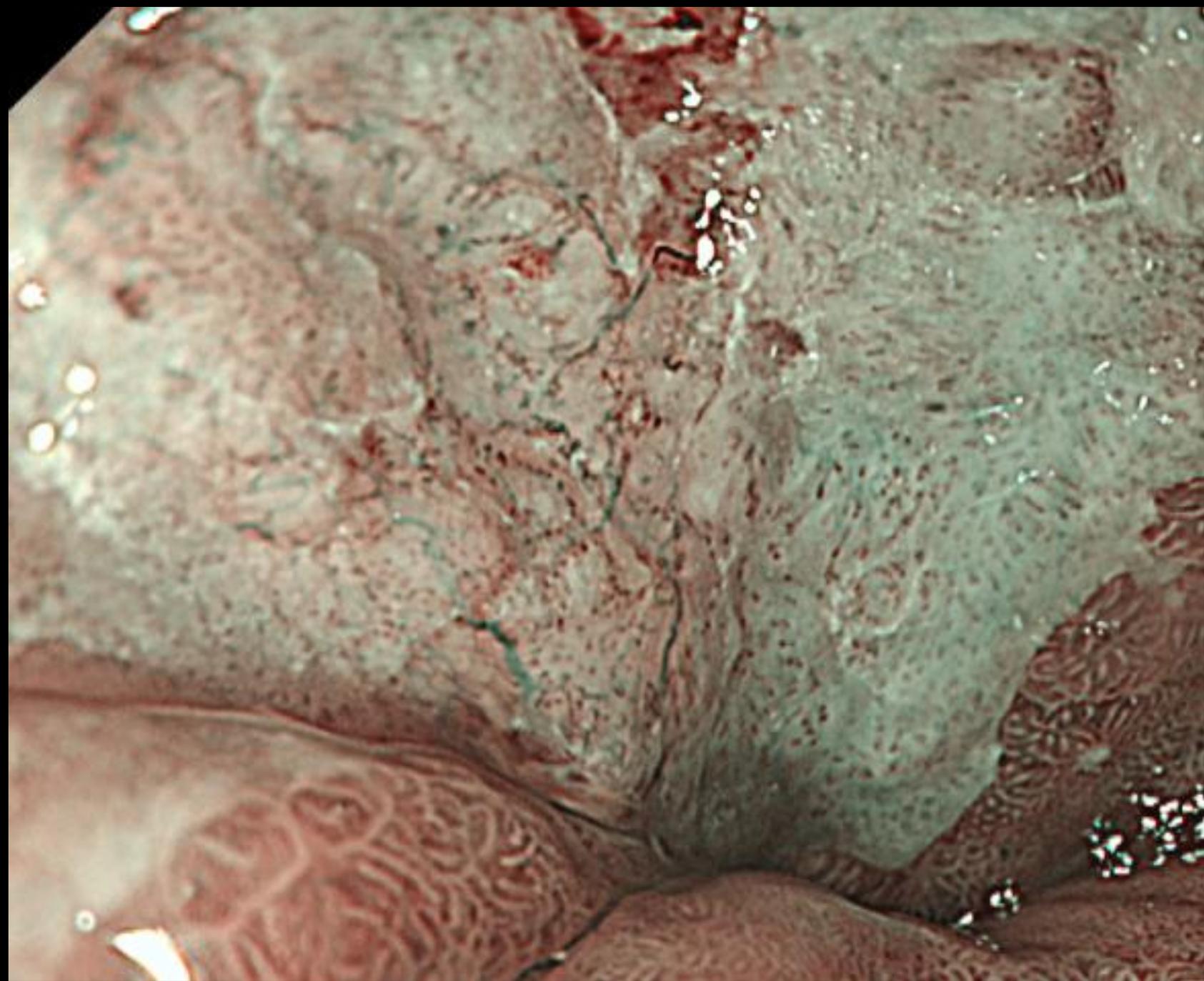
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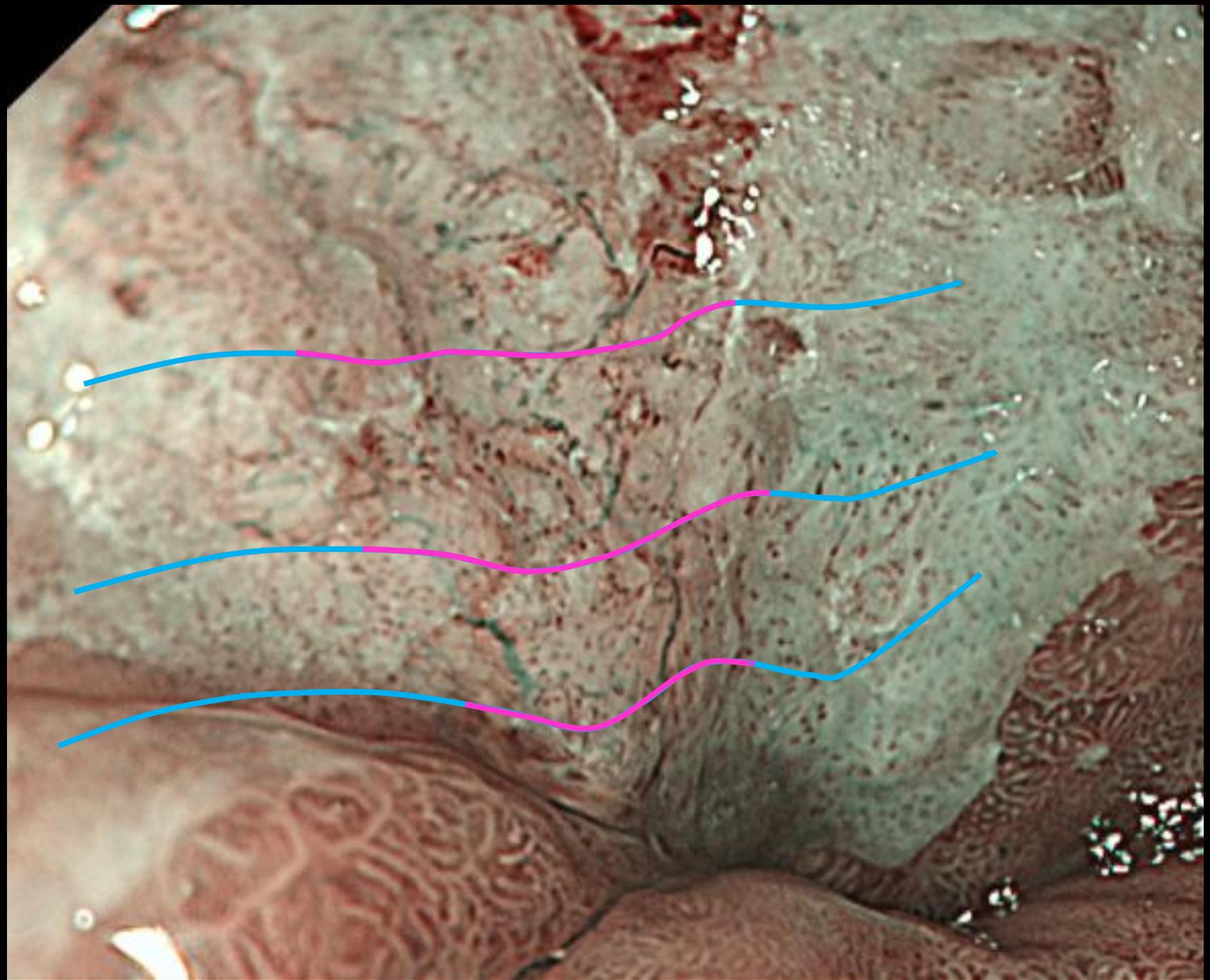
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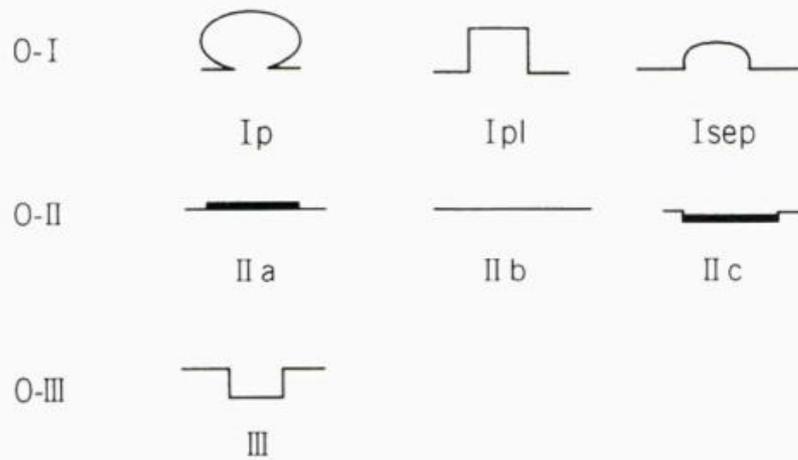








表在食道癌のSM浸潤所見



(1992.3 Japanese Society for Esophageal Diseases)

**O-I型**：1mm以上の隆起  
92%はSM2以深

**O-III型**：96%はSM2以深

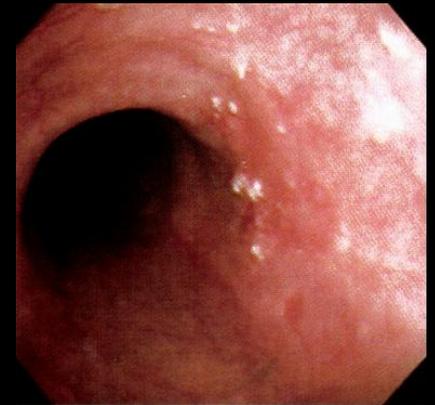
# 0-IIaのSM浸潤所見

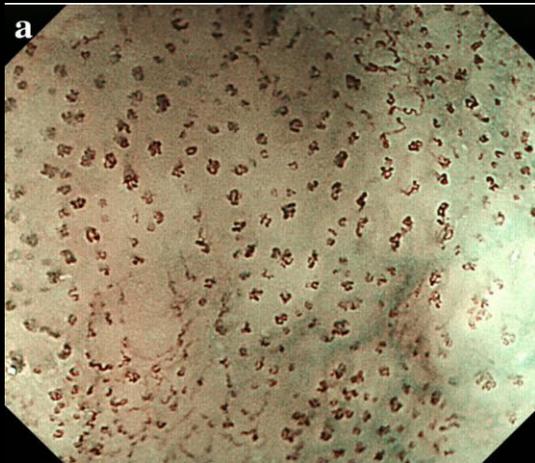
- 大部分は白色を呈し、ヨード不染
- 表面に不規則・不透明な顆粒状変化を認め、顆粒の丈が高い(>2mm)
- 伸展度を変えても変形なし



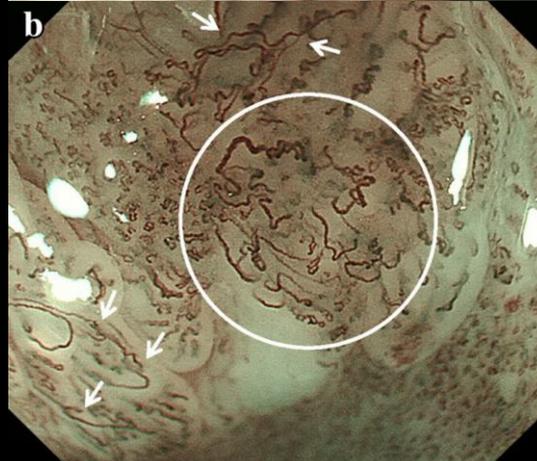
# 0-IIcのSM浸潤所見

- 軽度陥凹の中の隆起や、一段深い陥凹
- EP/LPMと思われる領域内の粗大な顆粒
- IIc病変>20mm
  - 隆起成分を伴う
  - 肉眼上は辺縁に軽度陥凹を有し、内部に粗大な結節が集合

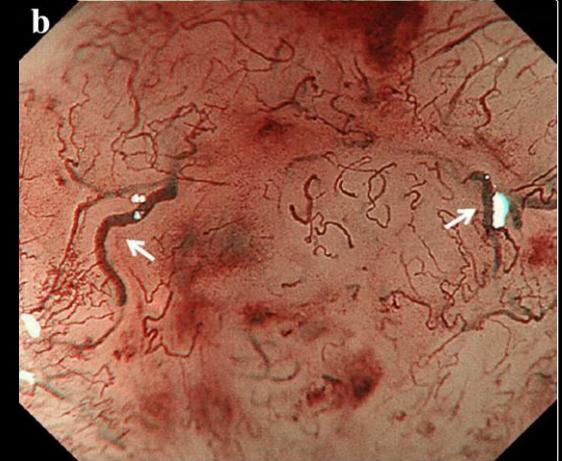
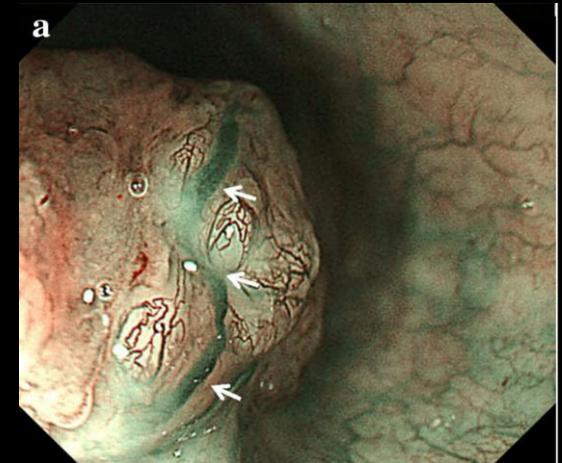




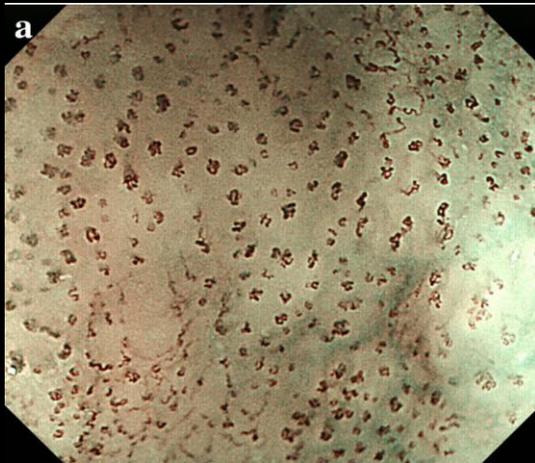
**B1**  
ループ様構造を認める  
異常血管



**B2**  
ループ様構造に乏しい  
異常血管

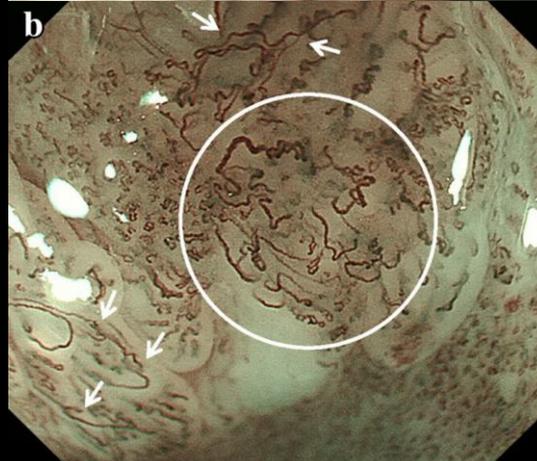


**B3**  
B2血管径の3倍以上  
(60 $\mu$ m以上)



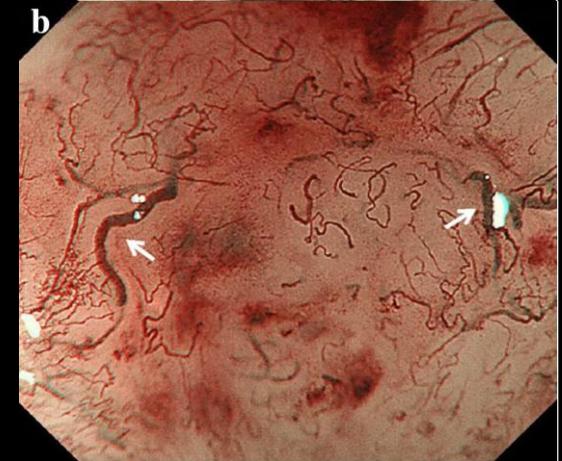
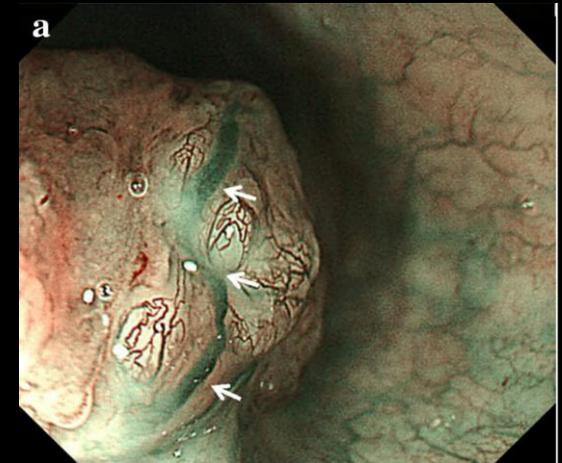
**B1**  
ループ様構造を認める  
異常血管

**EP/LPM**



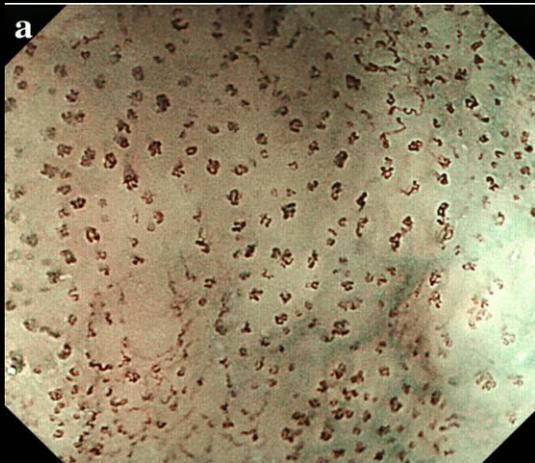
**B2**  
ループ様構造に乏しい  
異常血管

**MM/SM1**

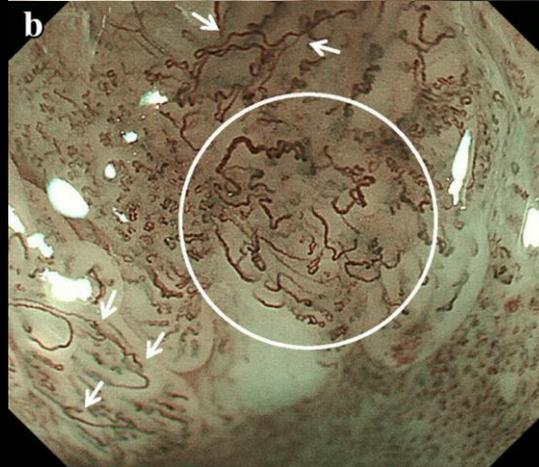
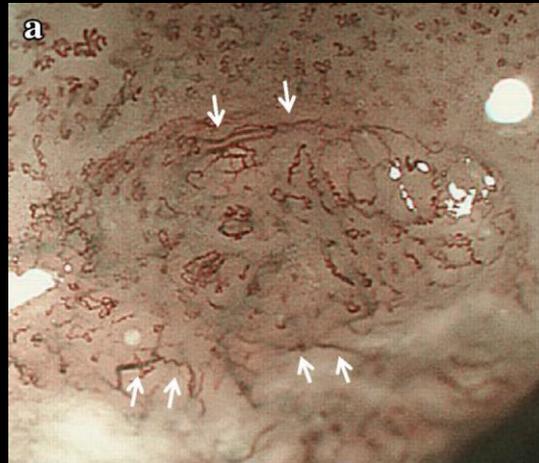


**B3**  
B2血管径の3倍以上  
(60 $\mu$ m以上)

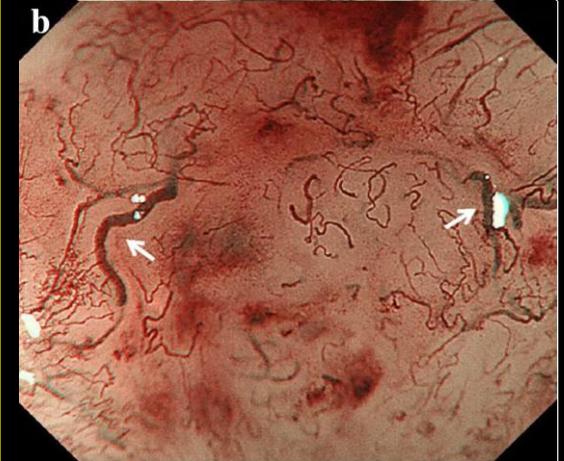
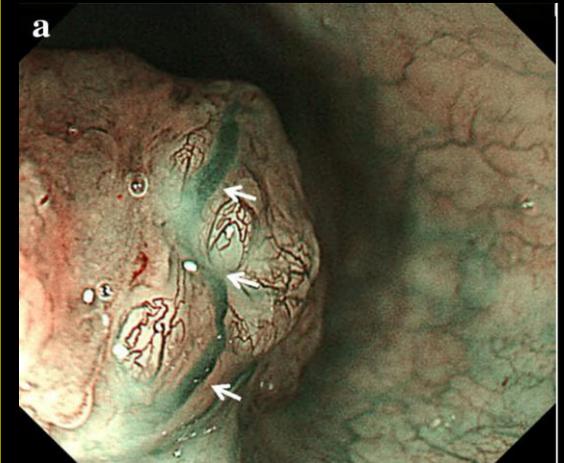
**SM2/SM3**



**B1**  
ループ様構造を認める  
異常血管



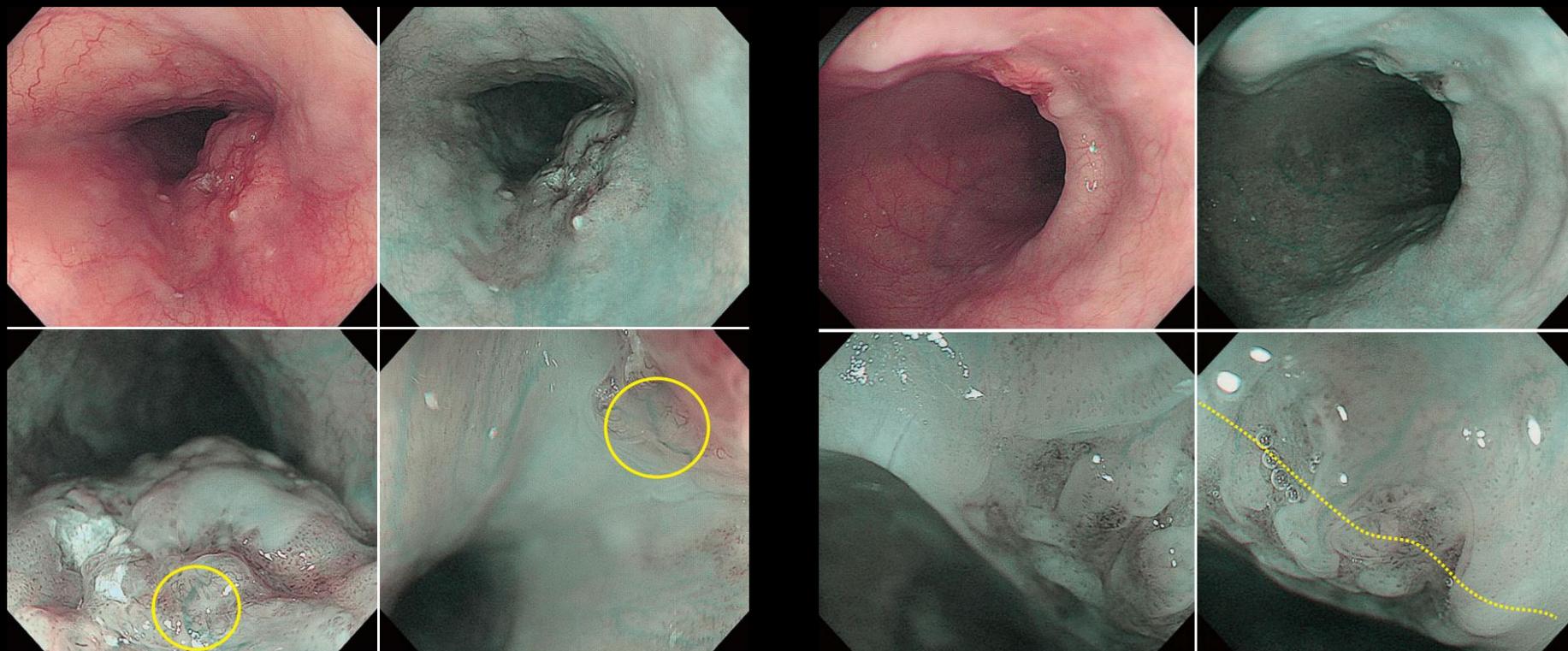
**B2**  
ループ様構造に乏しい  
異常血管



**B3**  
B2血管径の3倍以上  
(60 $\mu$ m以上)

SM2の感度55%, 特異度100%

# B3血管のvariation



周囲にB2血管を認め、  
乳頭構造を失った組織の下に出現

非癌粘膜に被覆されている  
辺縁の隆起部に出現

# B3血管以外のSM2指標(参考)

- B2血管領域10mm以上（感度63%）
- O-I隆起部分にB2血管(感度85%、特異度79%)

# 不整樹枝状血管

SM2以深を示唆する所見

- ・ 拡張した幹となる血管を有する
- ・ 幹から多数の不整な枝が分岐している
- ・ 幹から不規則に分岐するという点でB2やB3血管とは異なる

Endoscopy International Open 2020; 08: E234-E240



# 不整樹枝状血管

SM2以深を示唆する所見

- B3の感度は23.5%
- 不整樹枝状血管の感度は79.4%で、B3例には全例不整樹枝状血管を認めた

Endoscopy International Open 2020; 08: E234-E240

▶ **Table 1** Prevalence of irregularly branched microvessels, the B3 vessels, and histopathological depth of invasion.

	Histopathological depth of invasion	
Microvascular pattern	EP-SM1 (n = 268)	≥ SM2 (n = 34)
Irregularly branched microvessels (n = 38)	11/268 (4.1%)	27/34 (79.4%)
The B3 vessels (n = 10)	2/268 (0.7%)	8/34 (23.5%)
Irregularly branched microvessels and/or the B3 vessels (n = 38)	11/268 (4.1%)	27/34 (79.4%)

EP, epithelium; SM, submucosal layer



