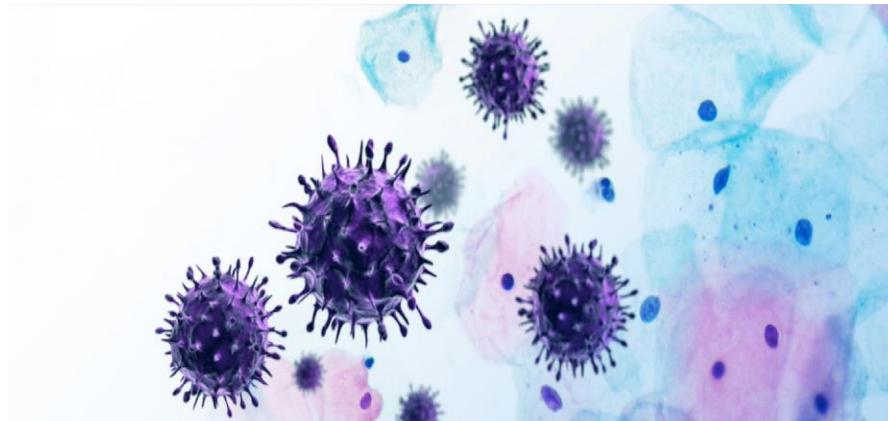


V súvislosti s týmto podujatím nemám žiadny konflikt záujmov.



## 9. Východoslovenský bioptický seminár

6.-7.jún 2019

Hotel Golden Royal Košice

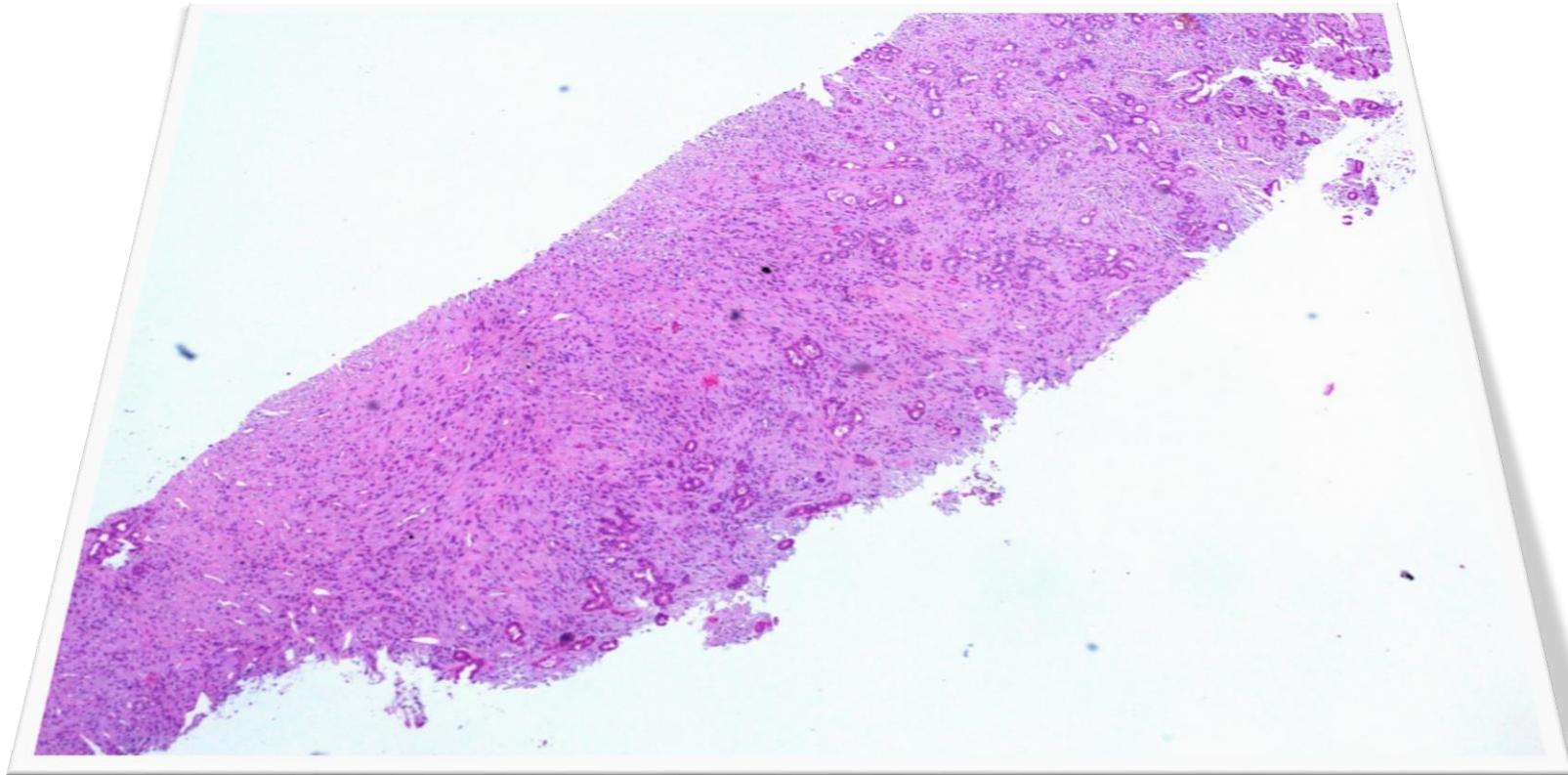
P. Bohuš

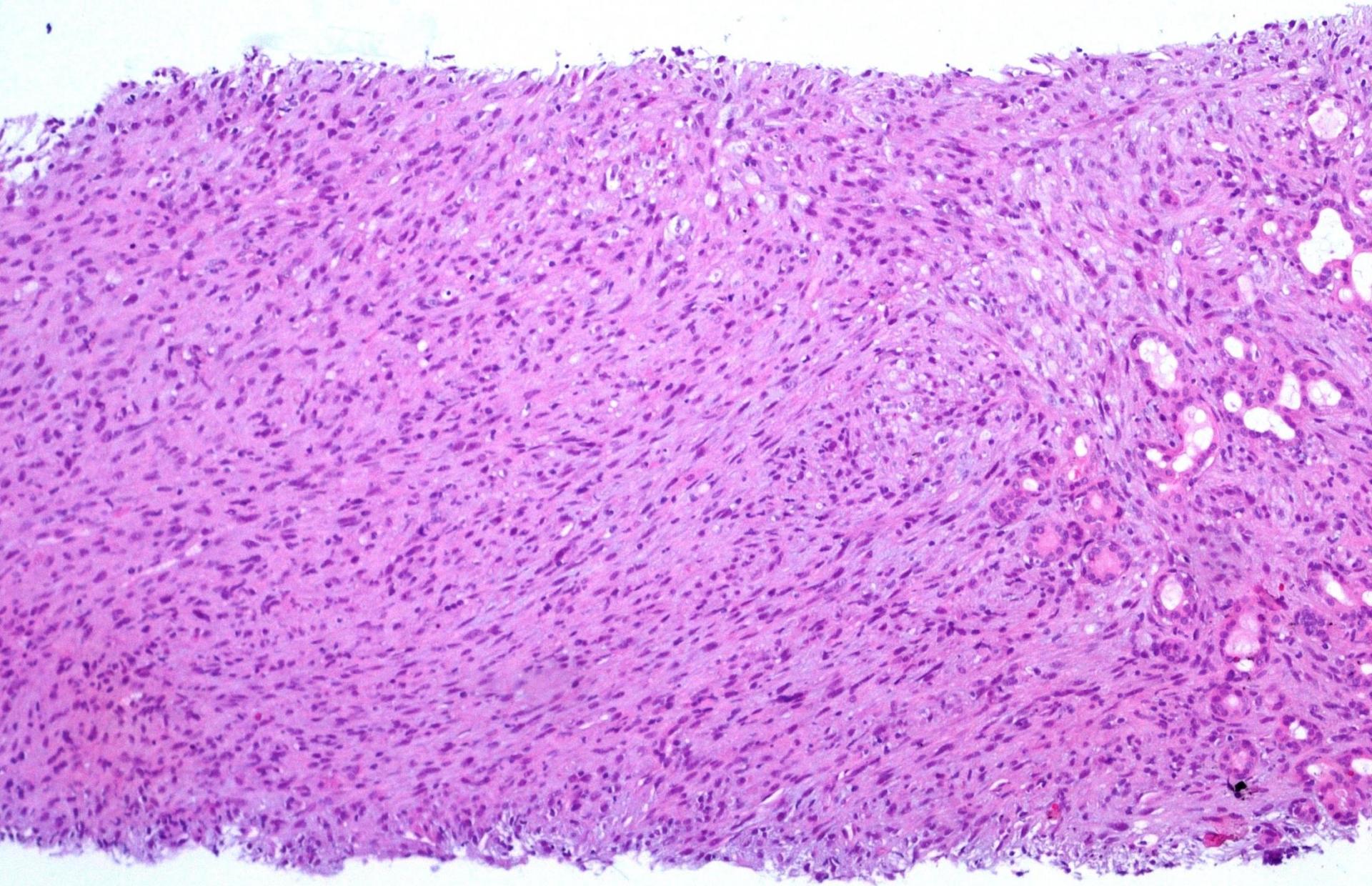
Medicyt s. r. o. Košice

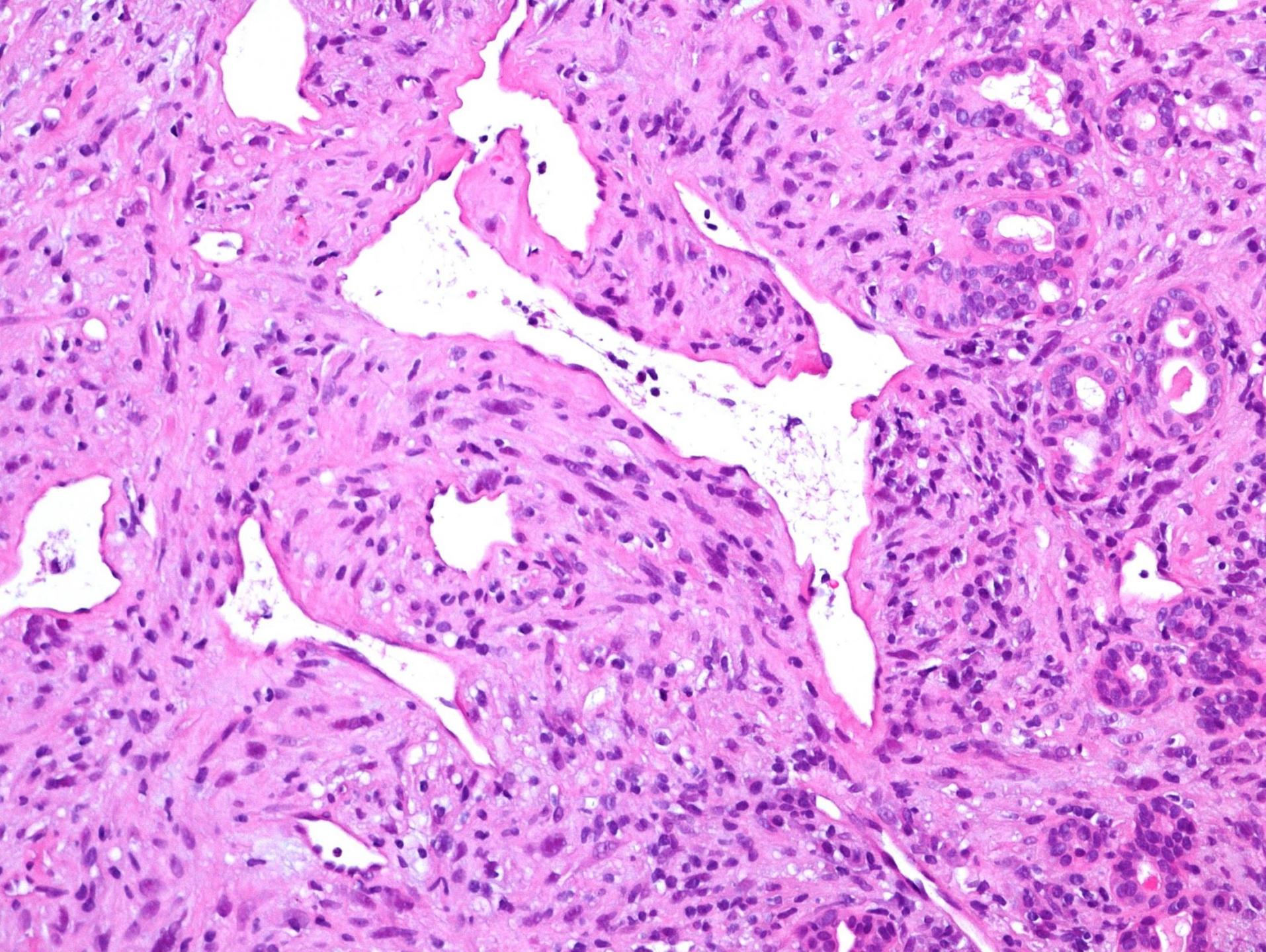
SD-IAP č. 722

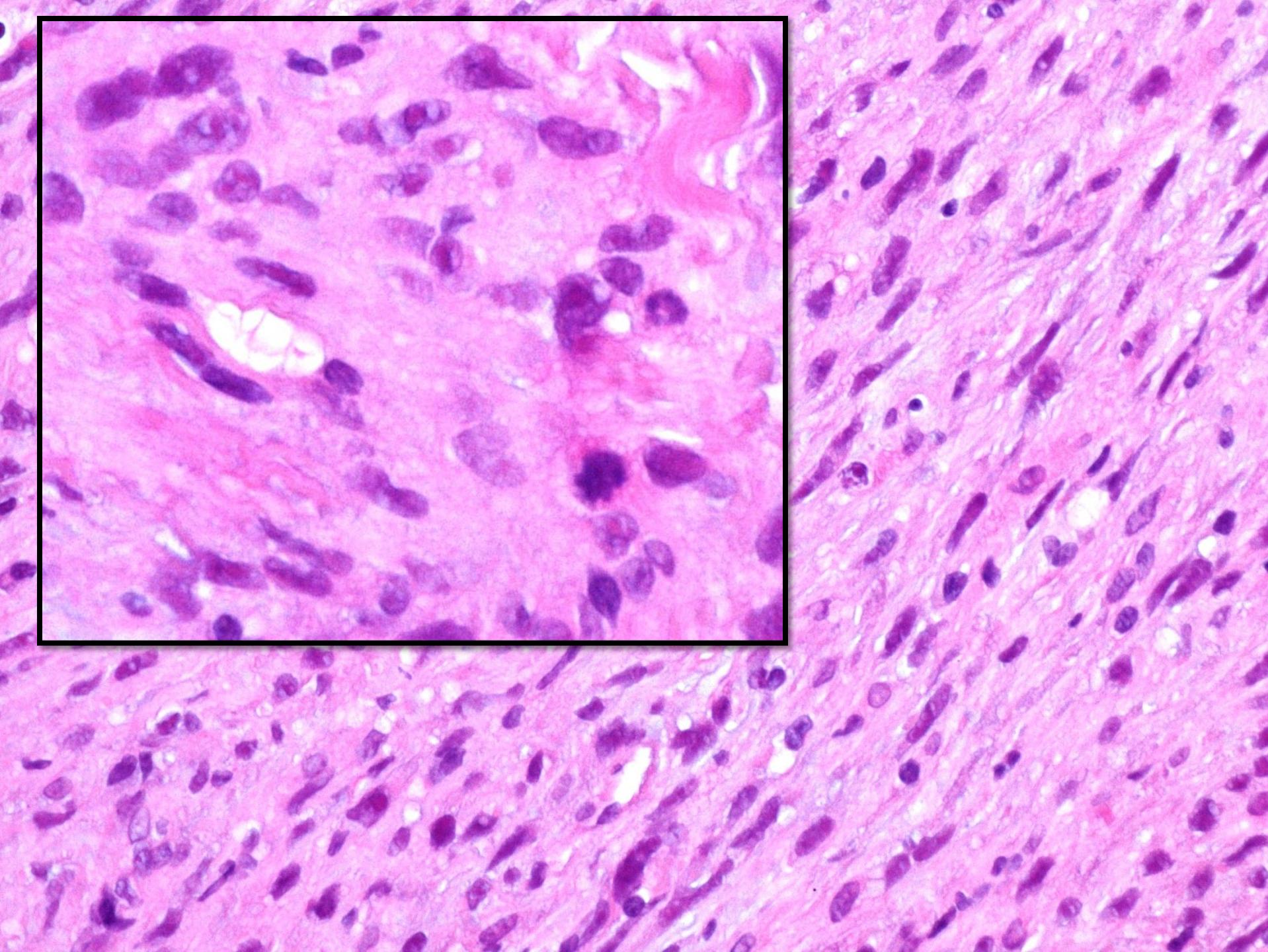
**91-ročná pacientka  
core cut biopsia z tumoru parotis vľavo**

**marec 2019**

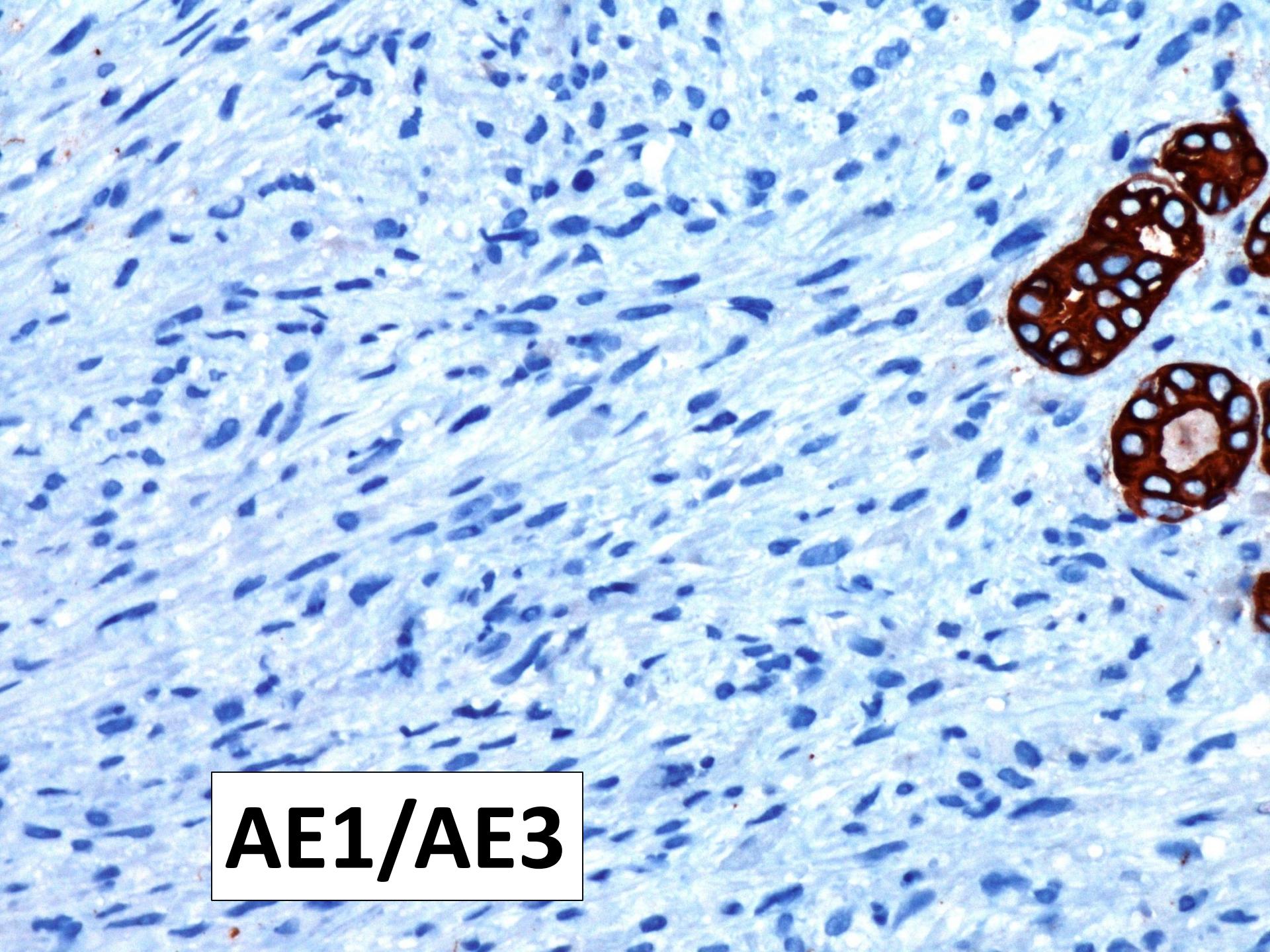




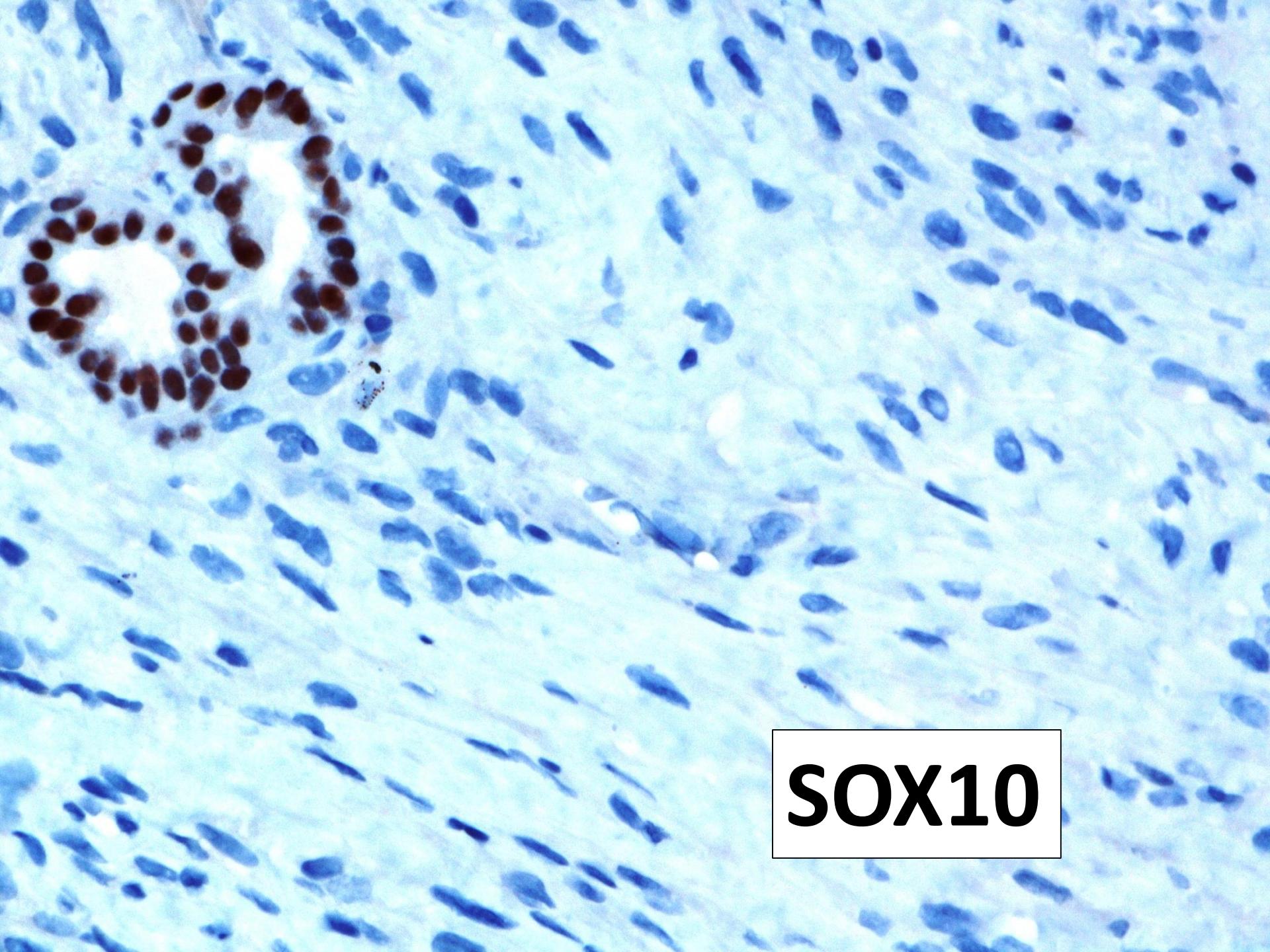




?

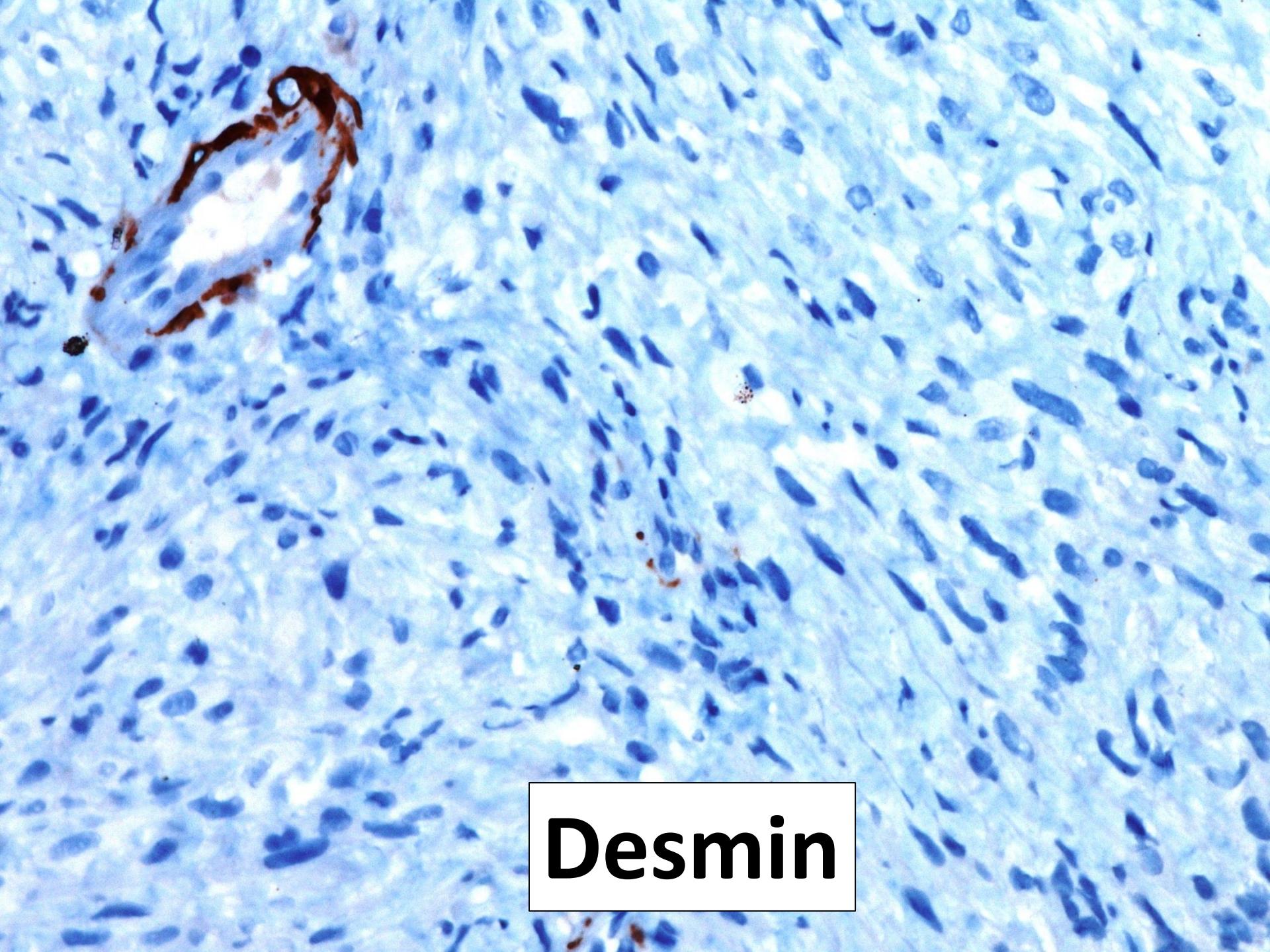
This image shows a tissue section stained with AE1/AE3 antibody. The nuclei of most cells are stained blue, while a few cells in the lower right corner show brown cytoplasmic staining, indicating they are positive for the marker.

**AE1/AE3**

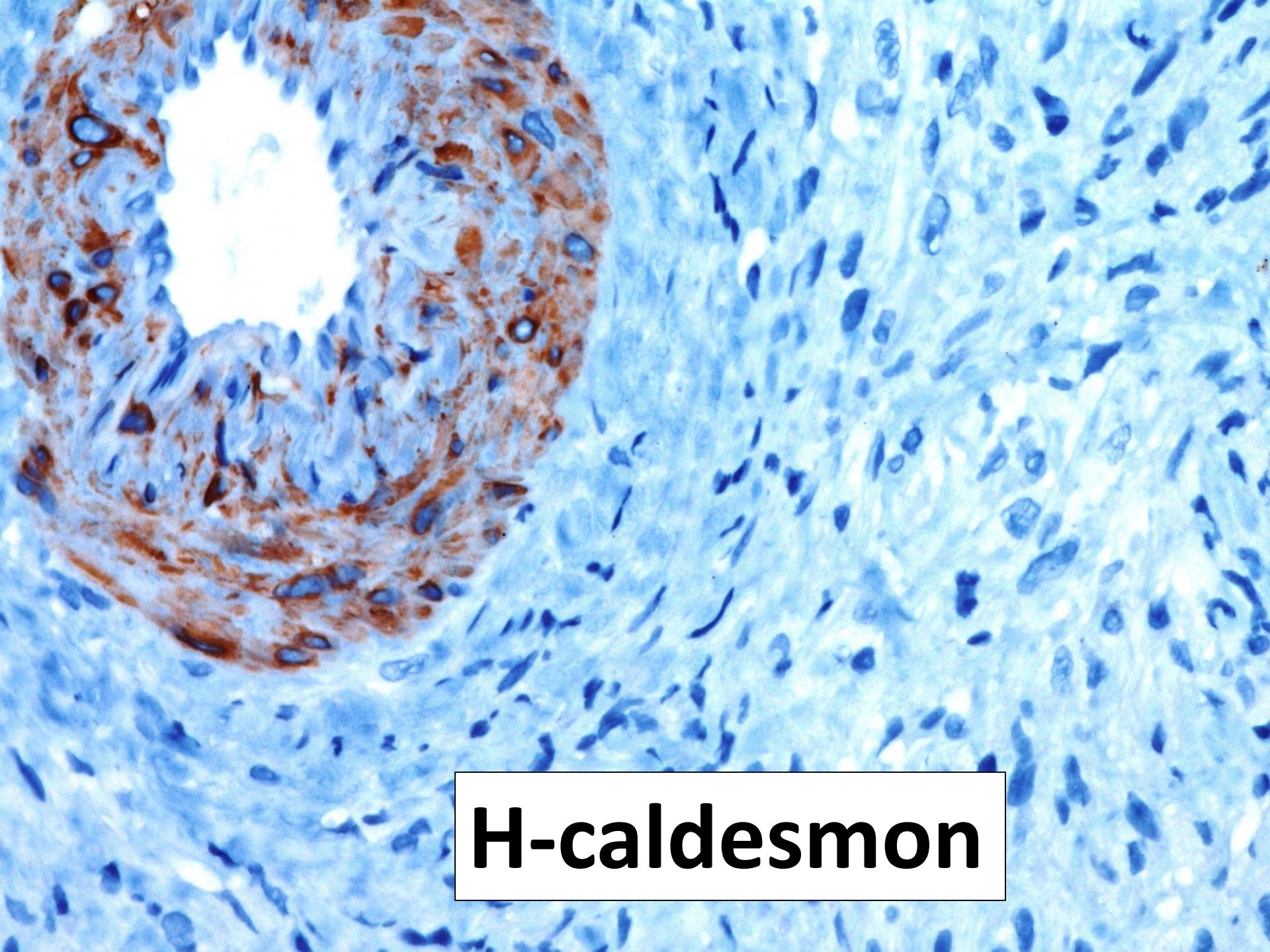
A high-magnification immunohistochemical image showing a tissue section. The nuclei of the cells are stained blue. A cluster of cells on the left side shows brown staining, indicating the presence of the SOX10 protein. This brown staining is characteristic of ganglion cells.

**SOX10**

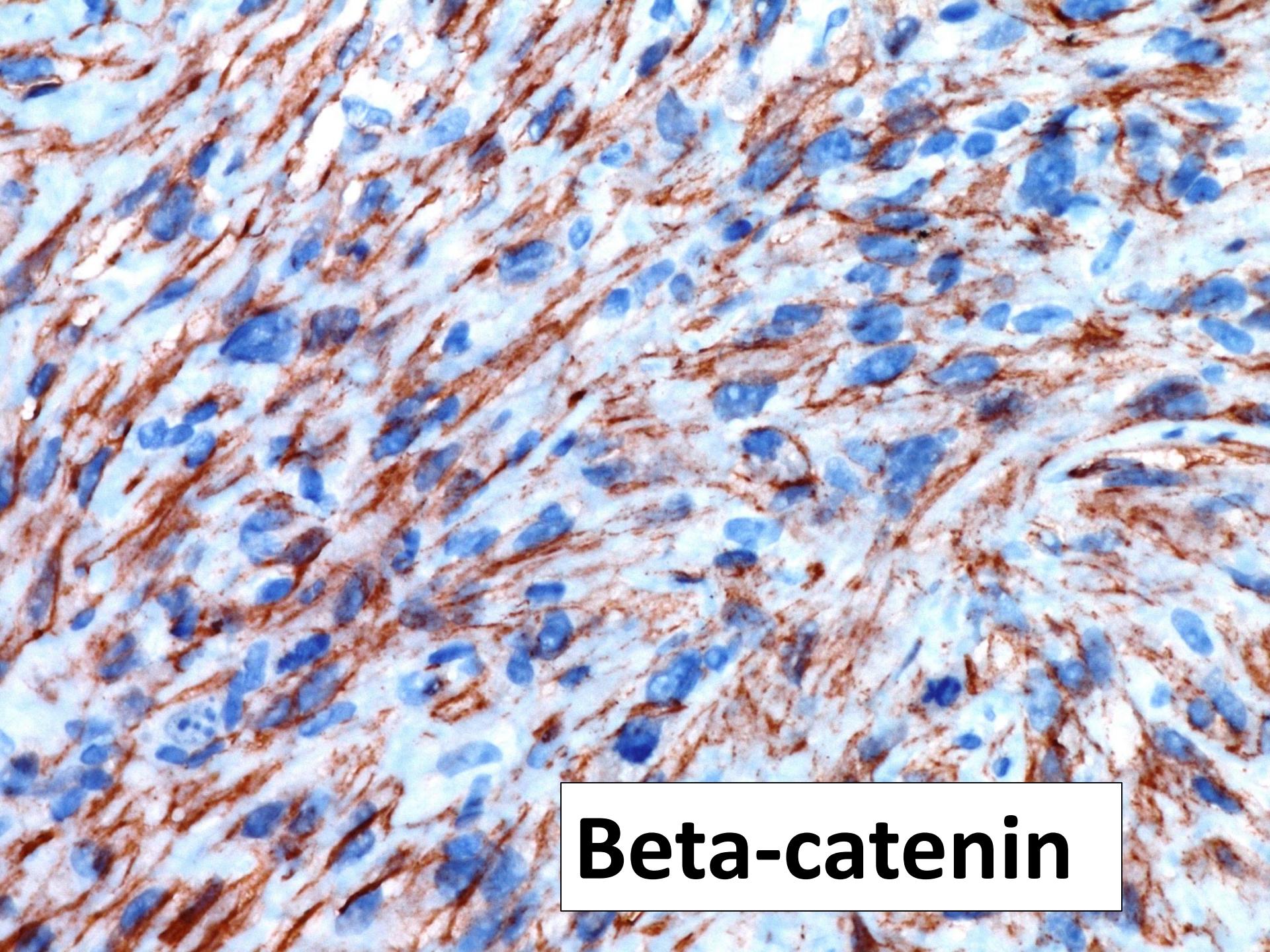
**CD34**

This immunohistochemical image shows a tissue section stained for the protein Desmin. The background consists of numerous small, blue-stained nuclei. Several larger, irregularly shaped cells are scattered throughout, some of which exhibit brown cytoplasmic staining, indicating the presence of Desmin. A prominent cluster of these brown-stained cells is located in the upper left quadrant.

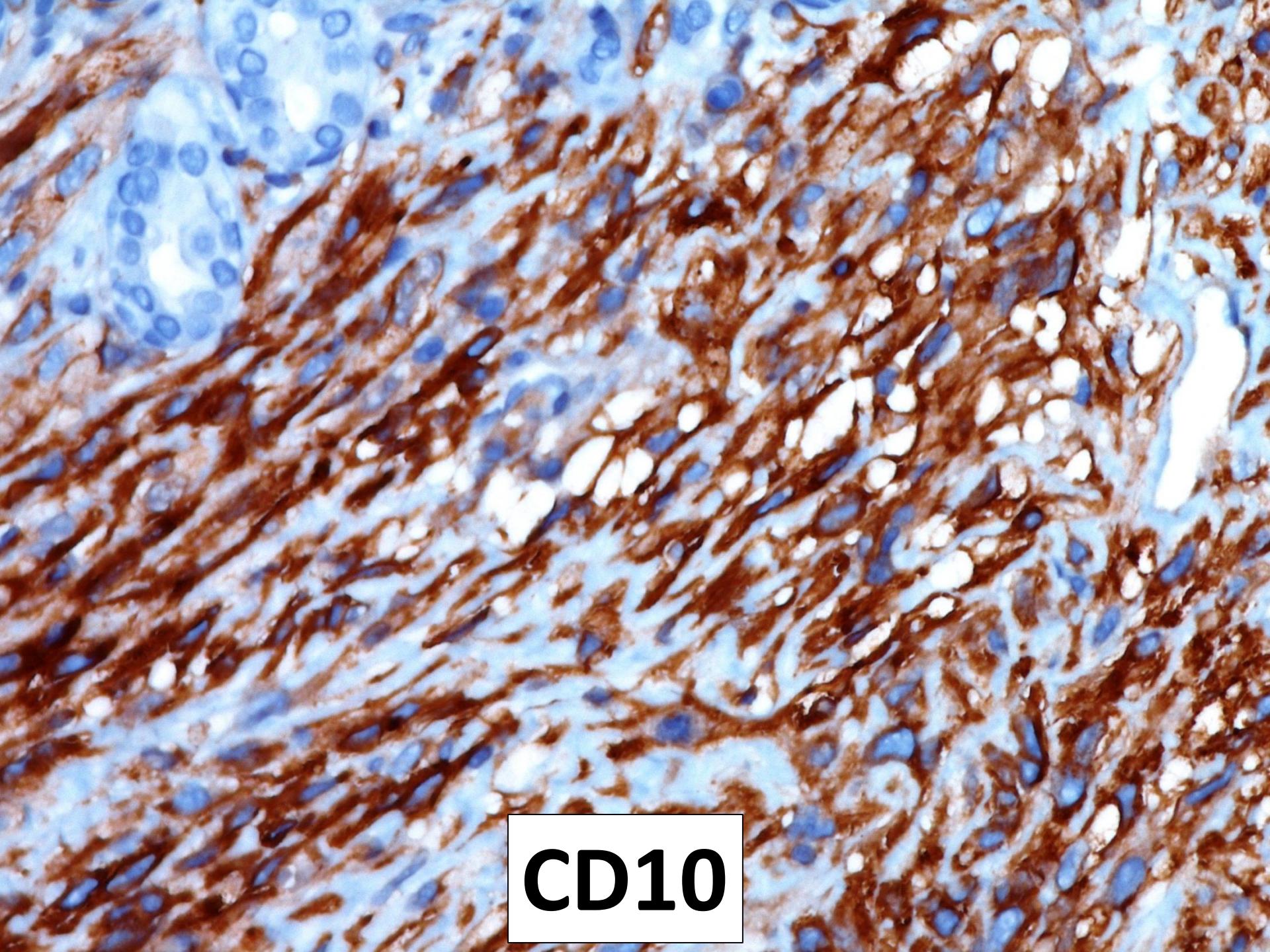
**Desmin**



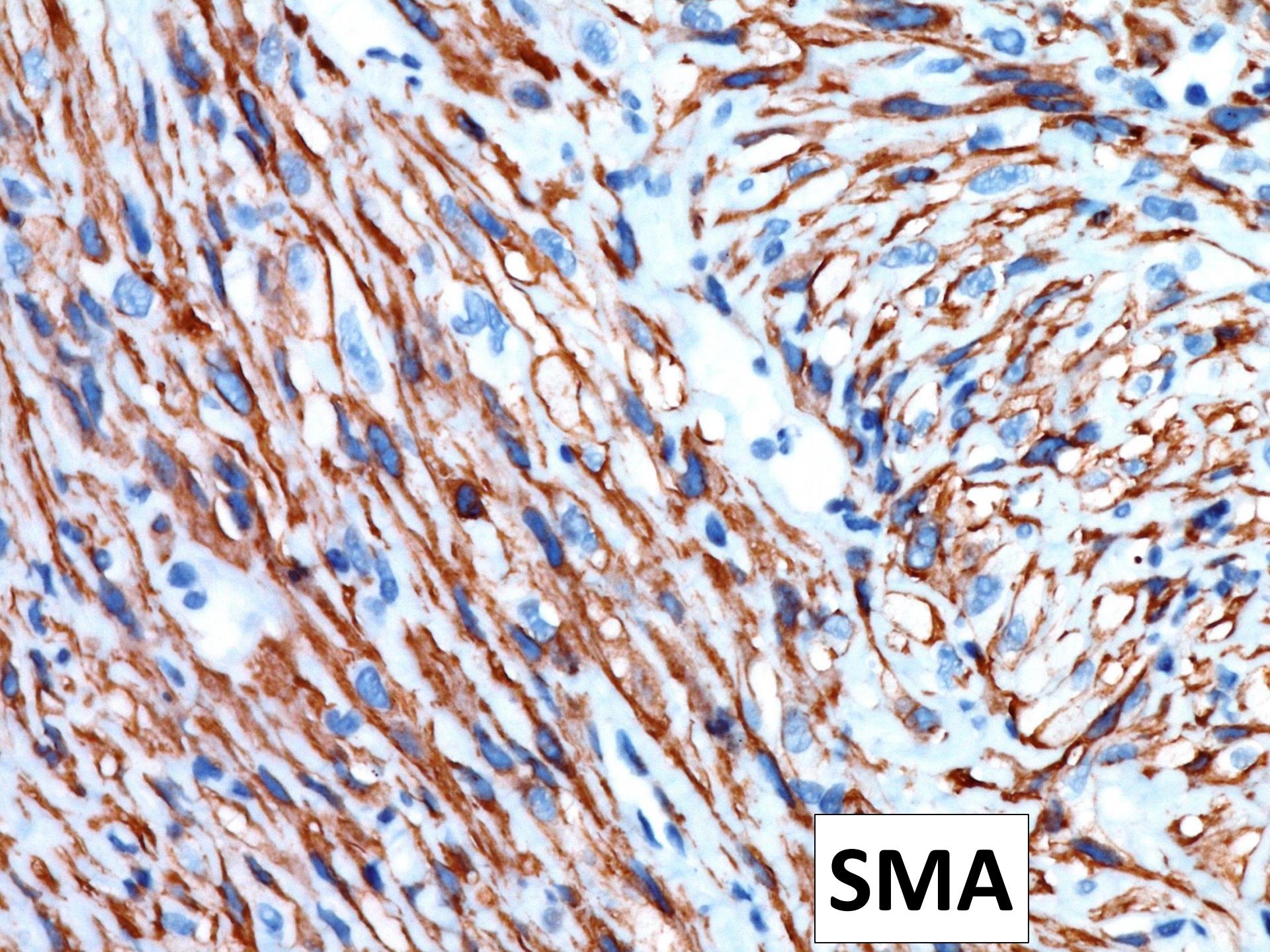
**H-caldesmon**

This image shows a tissue section stained with an antibody against Beta-catenin. The nuclei of the cells are stained blue, likely with DAPI. The cytoplasmic and membrane areas show brown staining, indicating the presence of Beta-catenin. The staining is predominantly along the boundaries of the cells, suggesting a junctional or membrane localization of the protein.

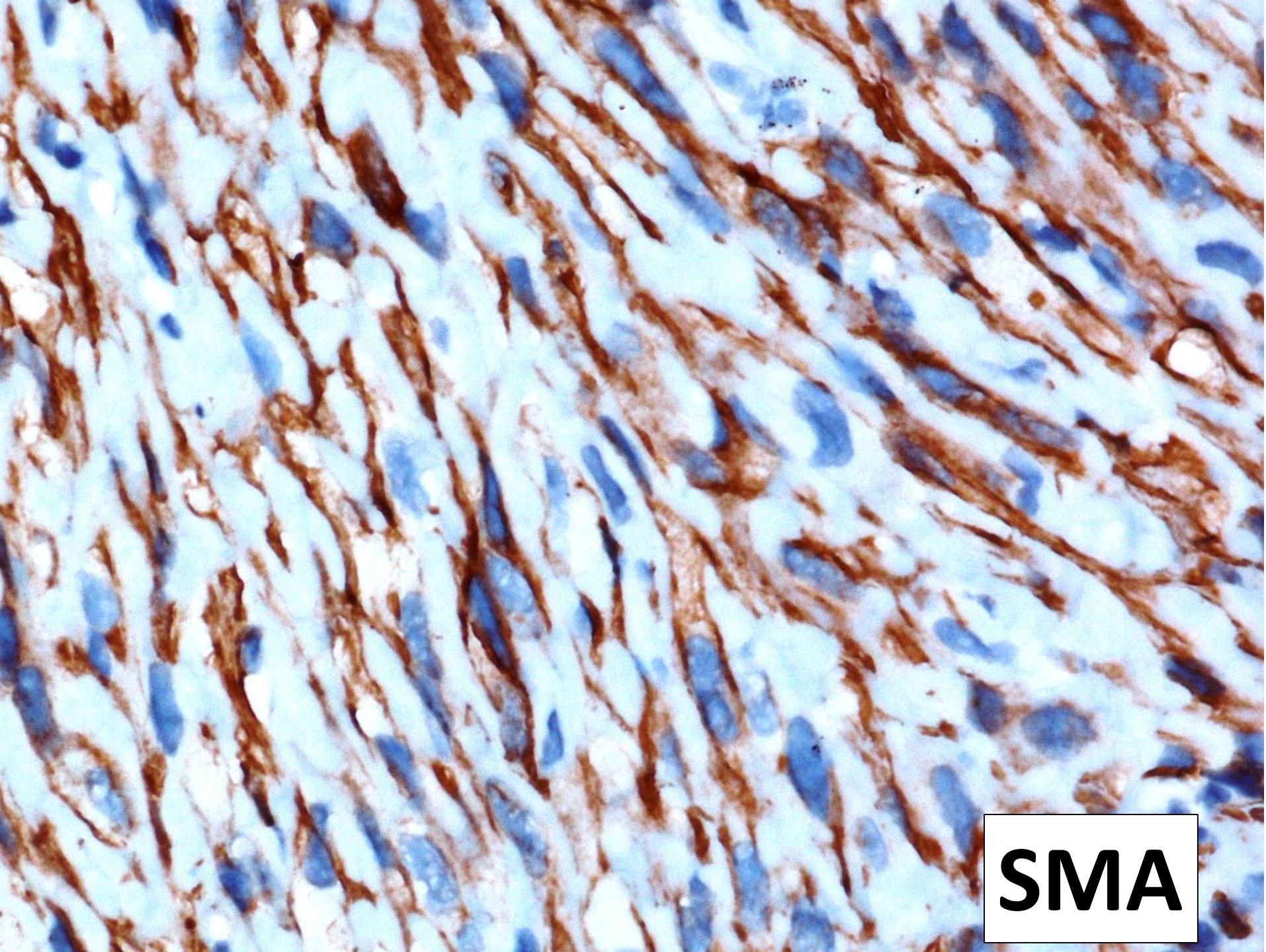
**Beta-catenin**



CD10



**SMA**



SMA

?

**MYOFIBROBLASTIC SARCOMA**  
**(low-grade myofibroblastic SA)**

?



## **KLINICKÁ INFORMÁCIA**

„ pacientka mala chirurgický výkon pre kožnú léziu na plastike“



**KERATOACANTHOMA FRONTIS SUSP**

# KERATOACANTHOMA FRONTIS SUSP

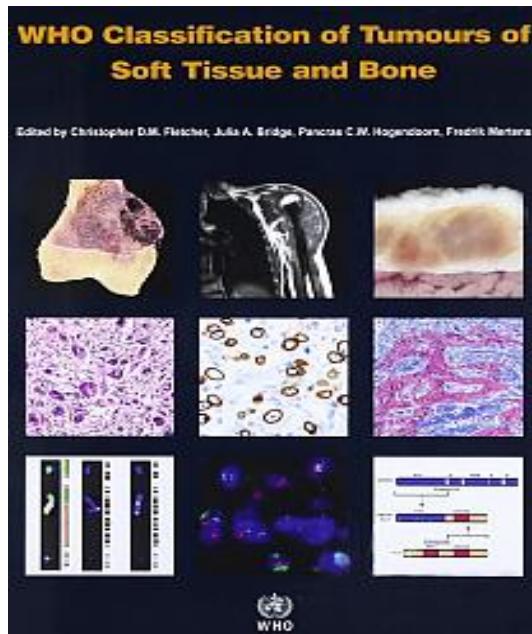
august 2018

- **ATYPICKÝ FIBROXANTHÓM**
- Spindle cell typ
- IHC: *CD10+, SMA+, p53+, S100-, HMB45-, Melan A-, desmin-, h-caldesmon-, p63-, AE1/AE3-, Ki-67 cca 25%*
- Kompletná chirurgická extirpácia lézie
- **POZNÁMKA:**
- *Dg per exclusionem – na základe IHC sme vylúčili nádorové lézie melanocytového a epitelového pôvodu*

# Atypical fibroxanthoma (AFX)

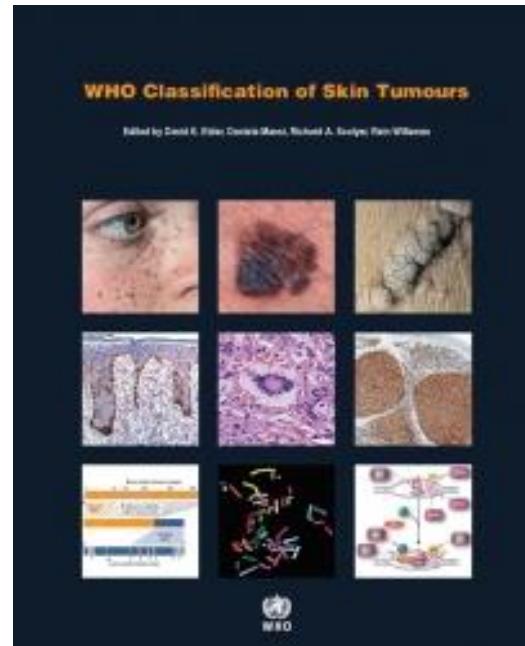
M-8833/0

Soft tissue



M-8830/1

Skin



benign , dermal based TU..  
..definitive dg requires complete excision

..tumours that meet the strict dg criteria  
generally behave in a low-grade fashion..

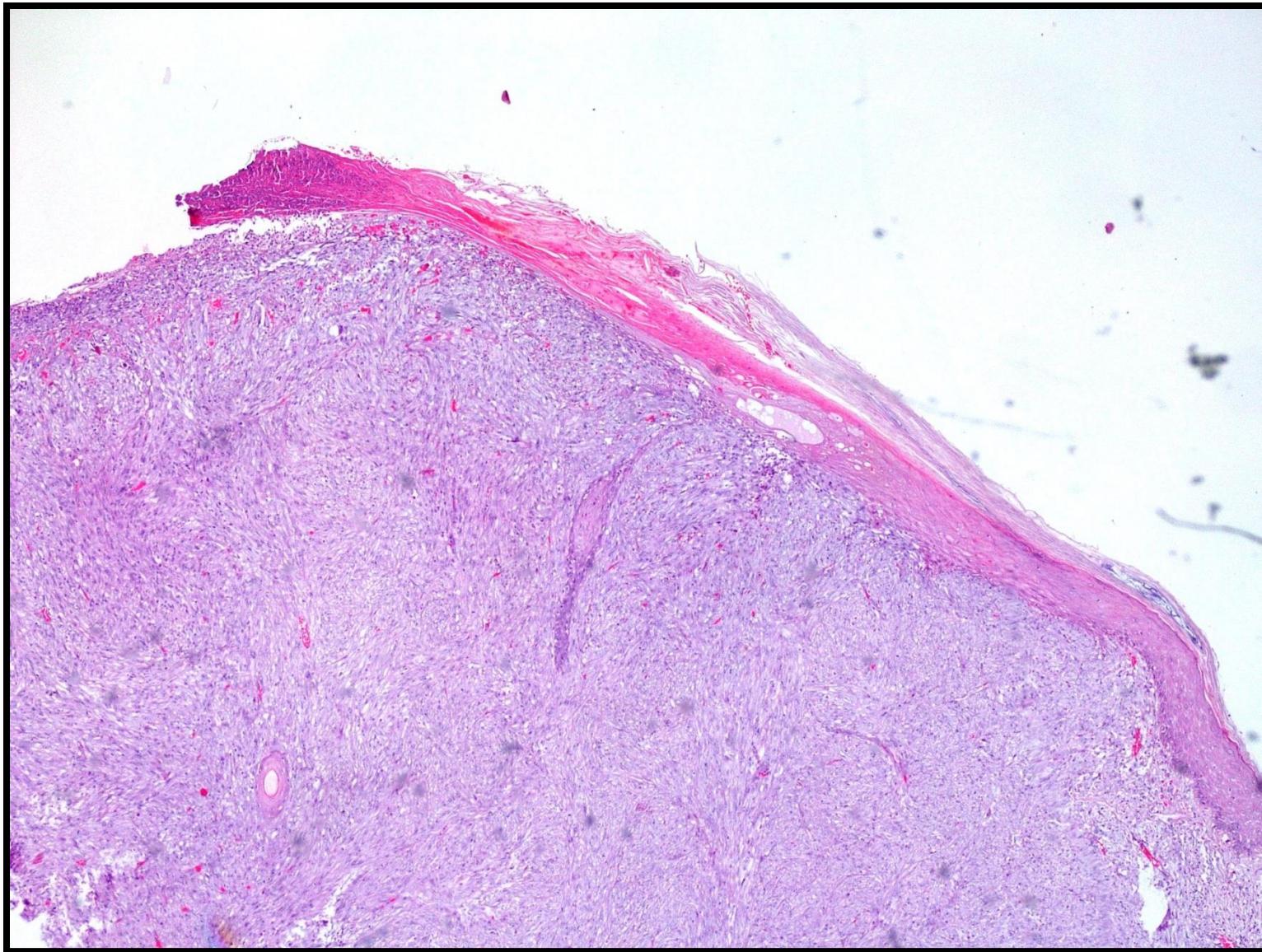
# atypical fibroxanthoma (AFX)

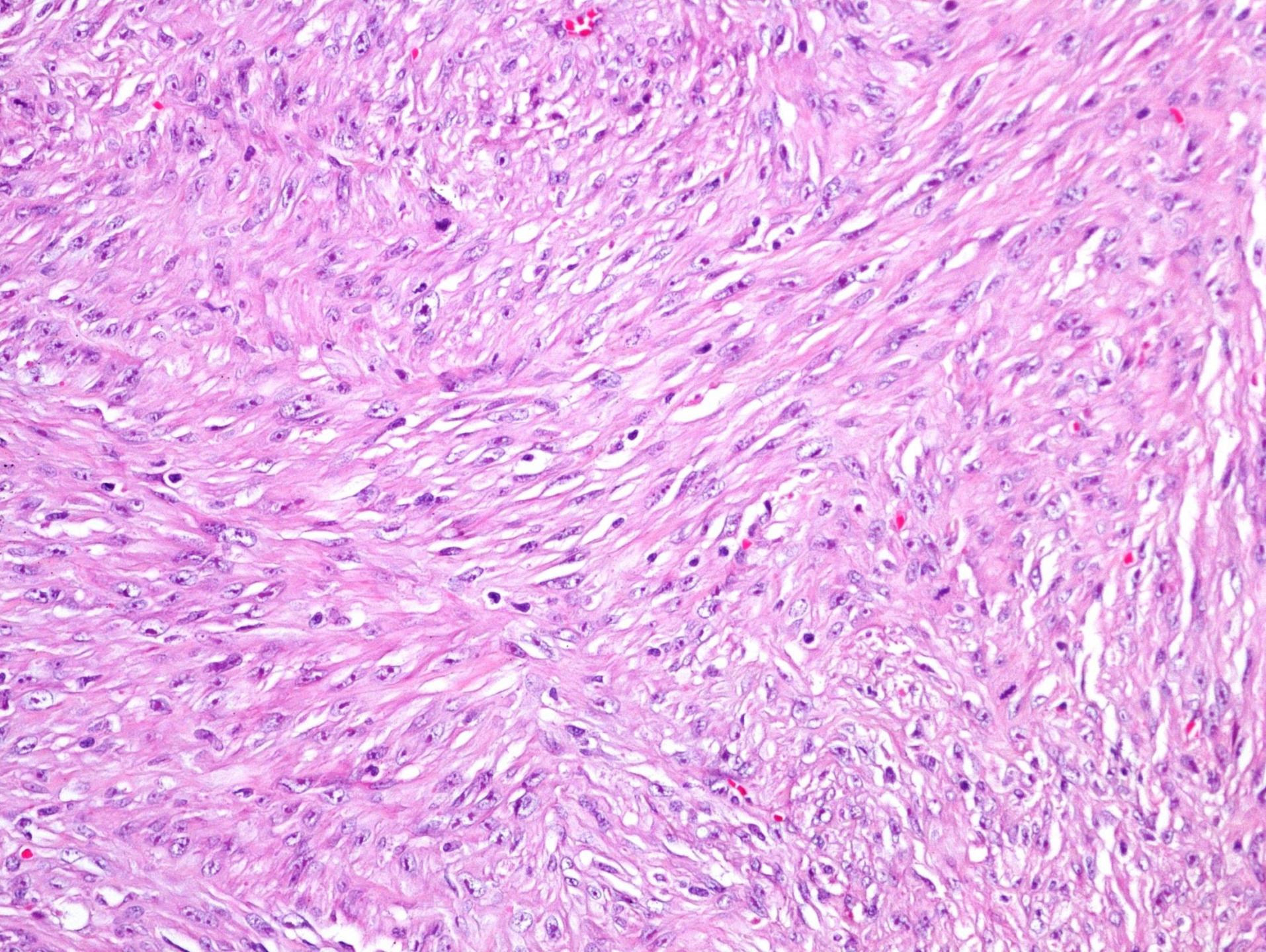
*versus*

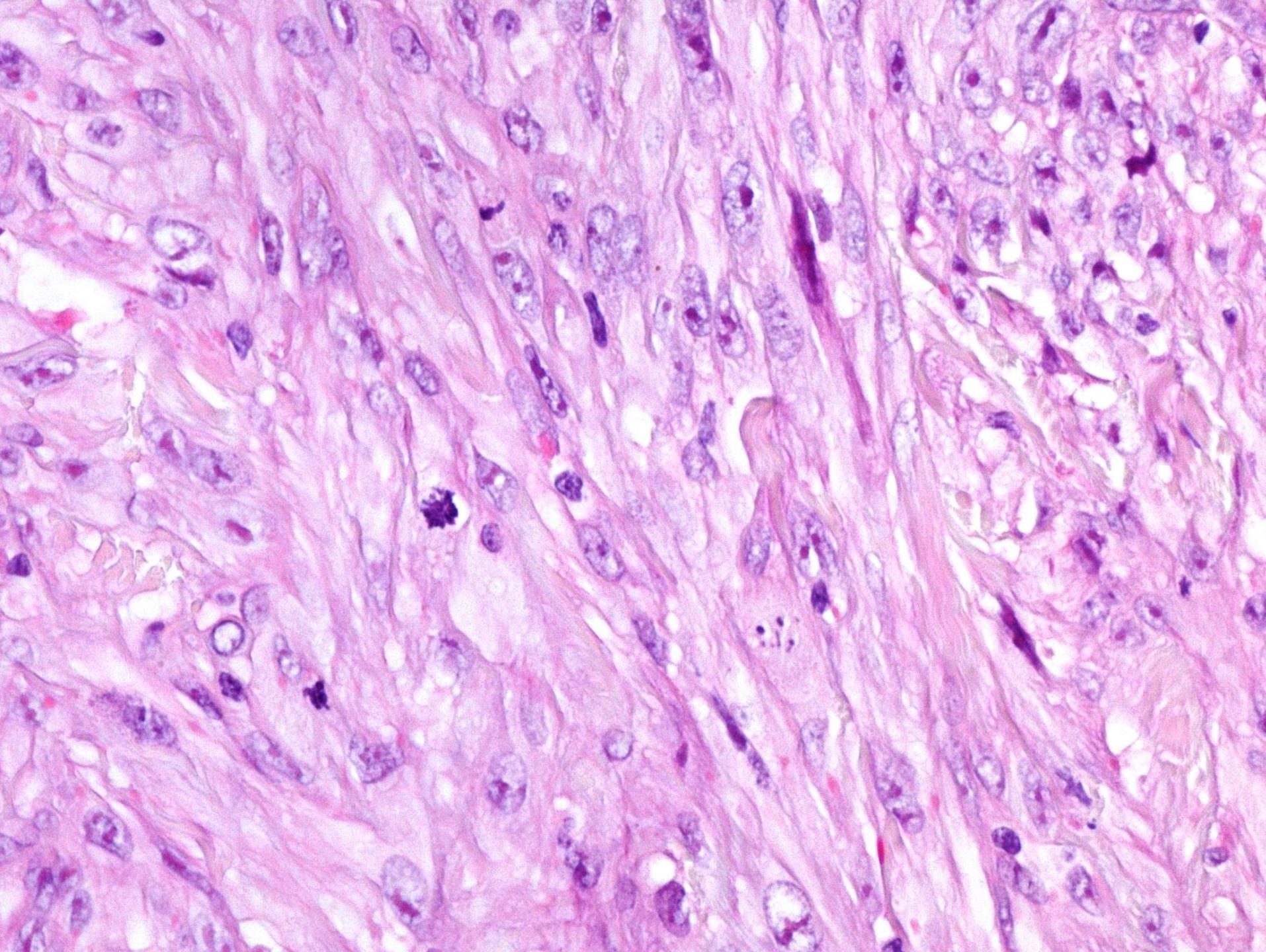
# pleomorphic dermal sarcoma (PDS)

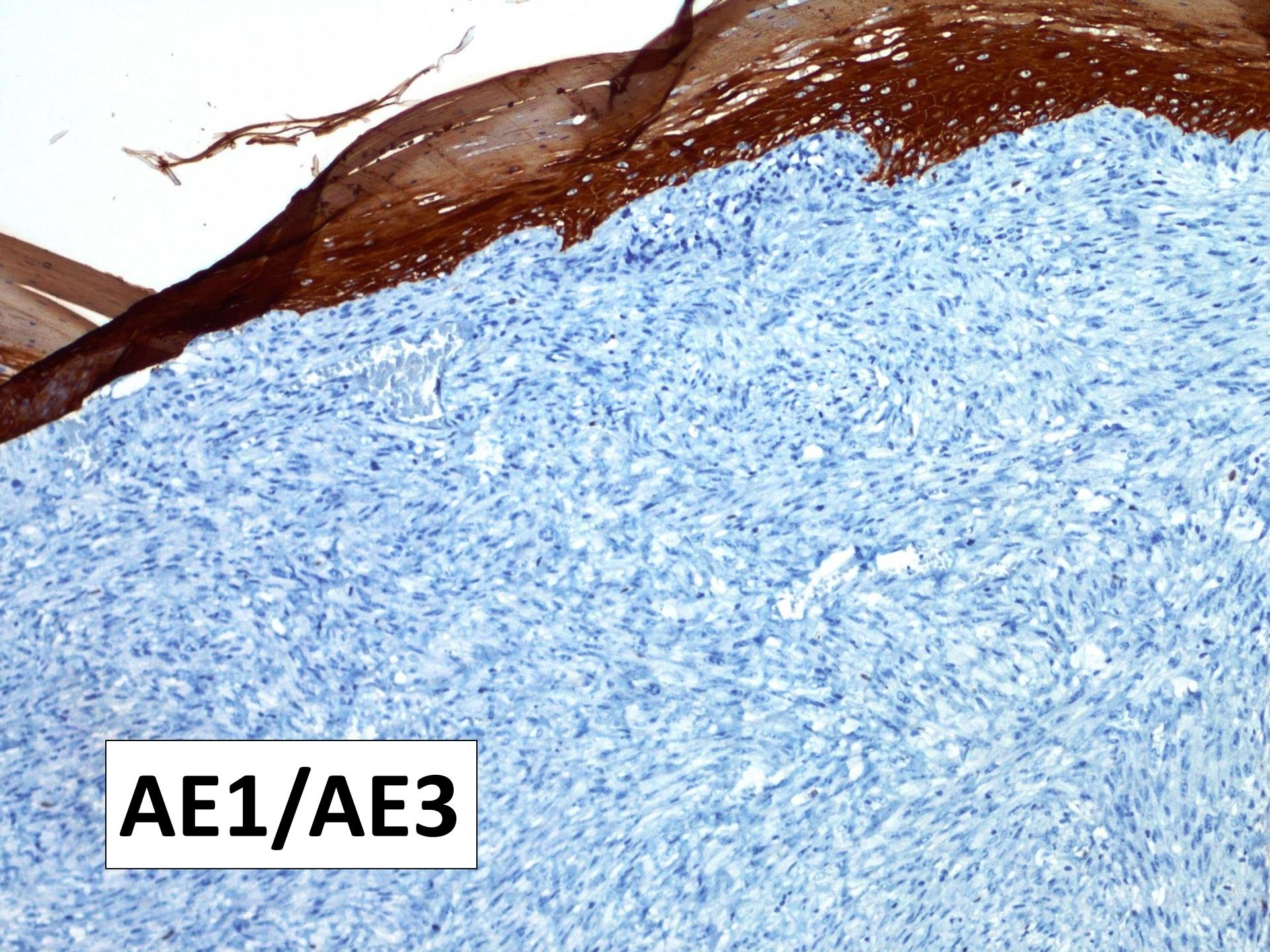
- AFX (M-8830/1)
  - Vysoká celularita, atypie, atypické mitózy, ulcerácia
  - Nekróza nebýva prítomná vo väčšine prípadov
- PDS (M-8802/3)
  - Novotvar príbuzný/podobný AFX, ale **navyše**:
  - *Invázia do subcutis, lymfovaskulárna a/alebo perineurálna invázia, nekrózy*

# Kožná lézia – „AFX“

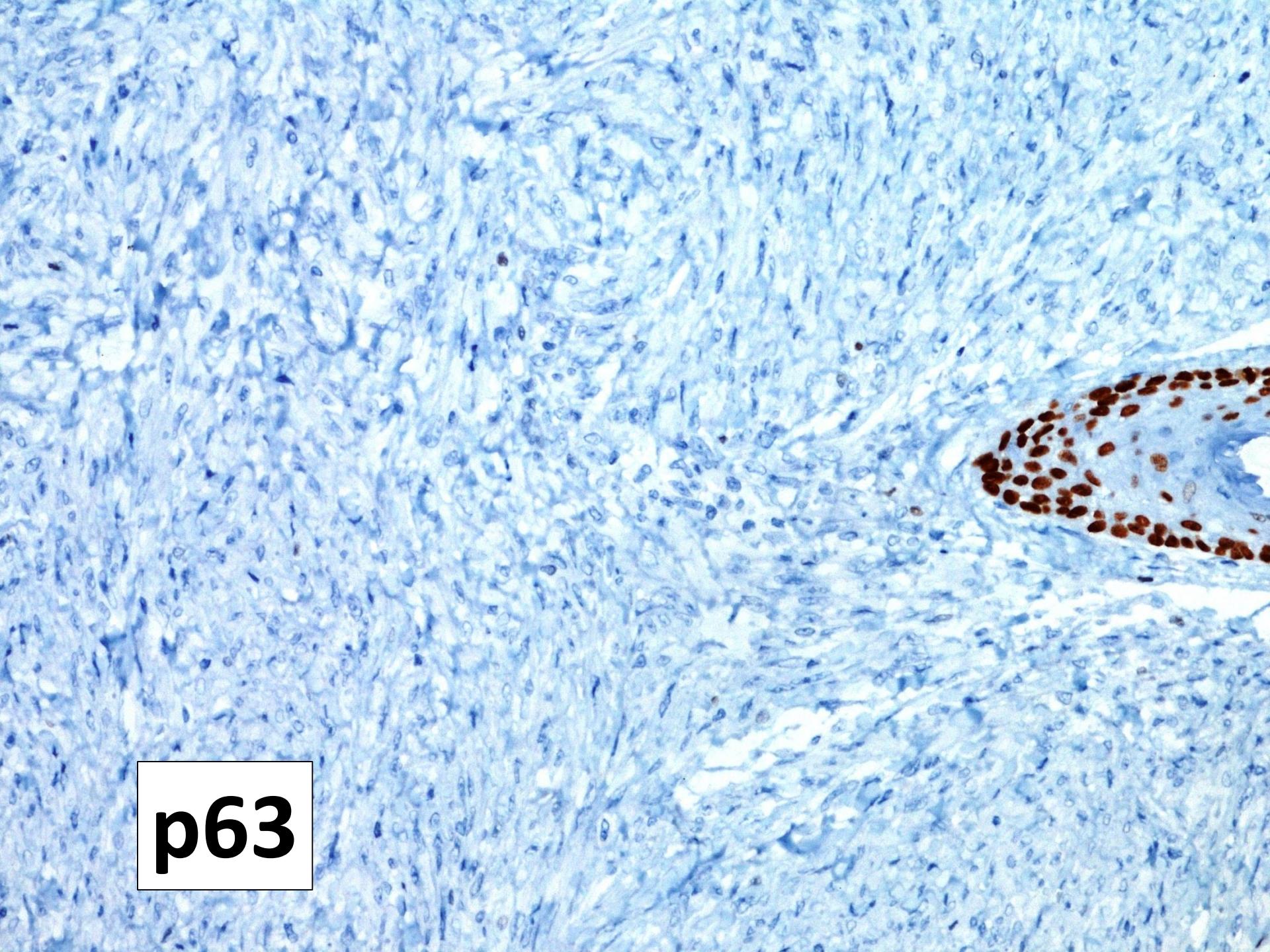




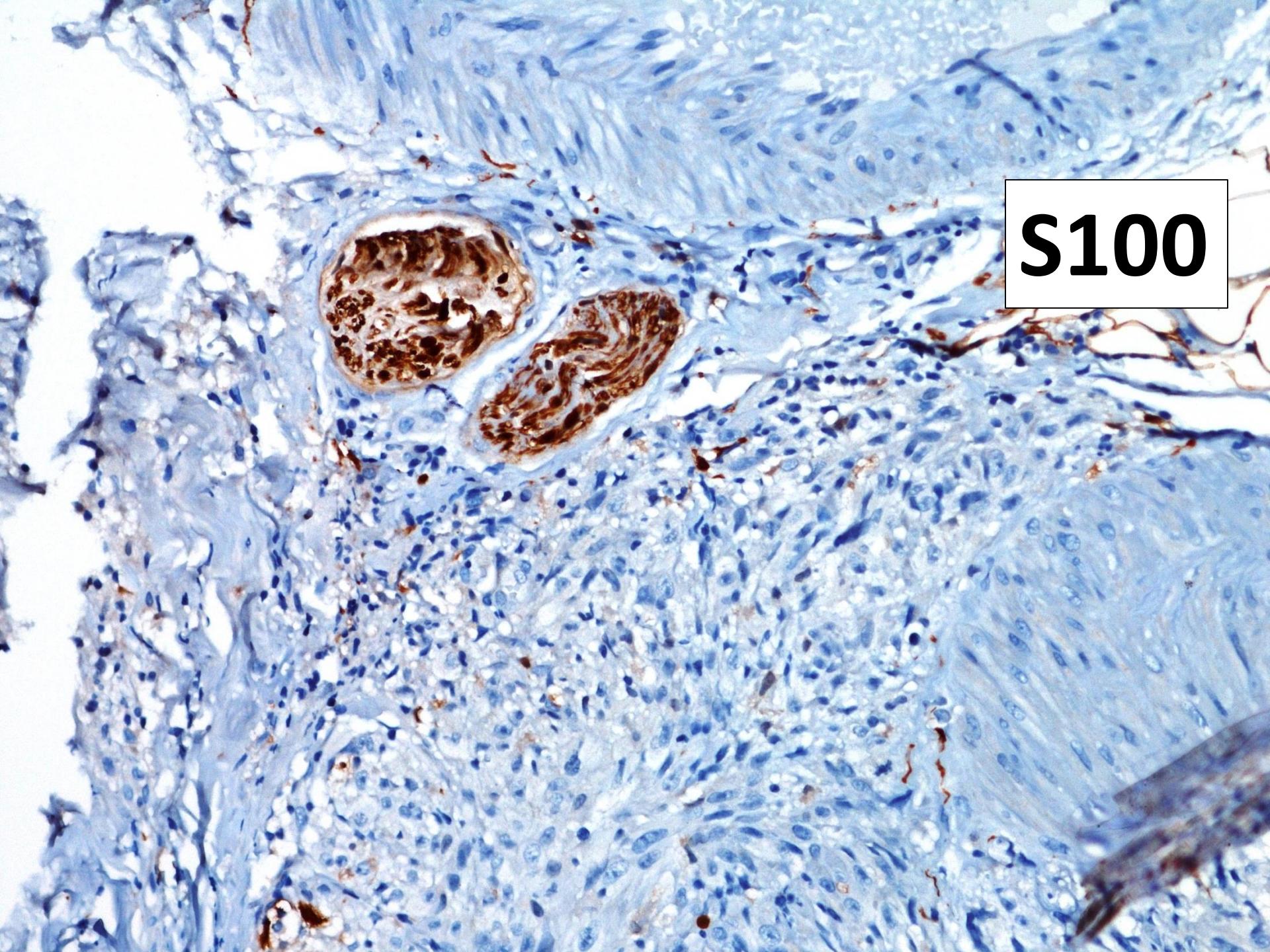


A histological section stained with AE1/AE3 antibody. The image shows a dense layer of brown-stained, elongated cells at the top, likely representing basal epithelial cells. Below this layer is a large area of blue-stained tissue, characteristic of hematoxylin counterstain. A white rectangular box in the bottom-left corner contains the text "AE1/AE3".

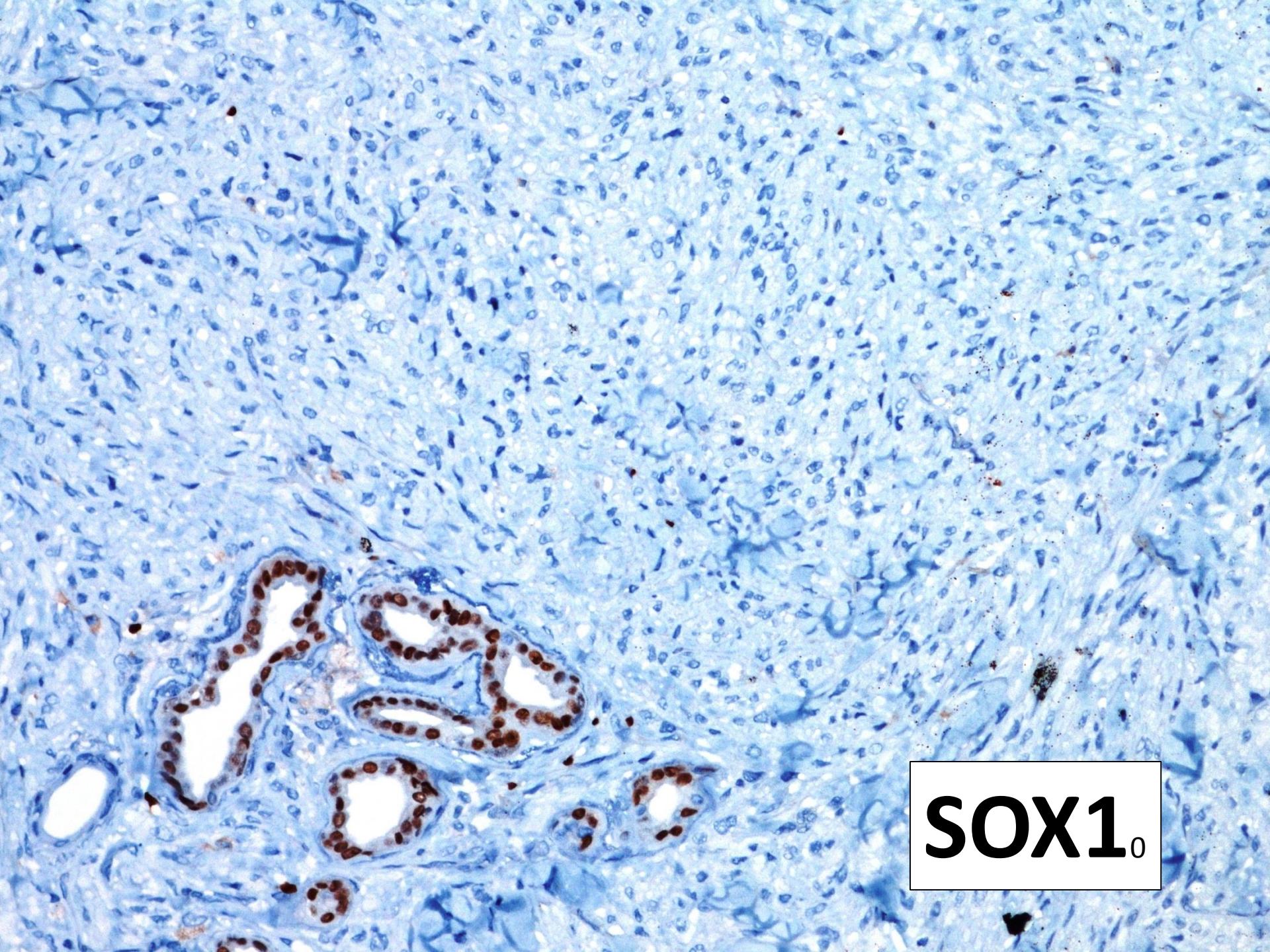
**AE1/AE3**



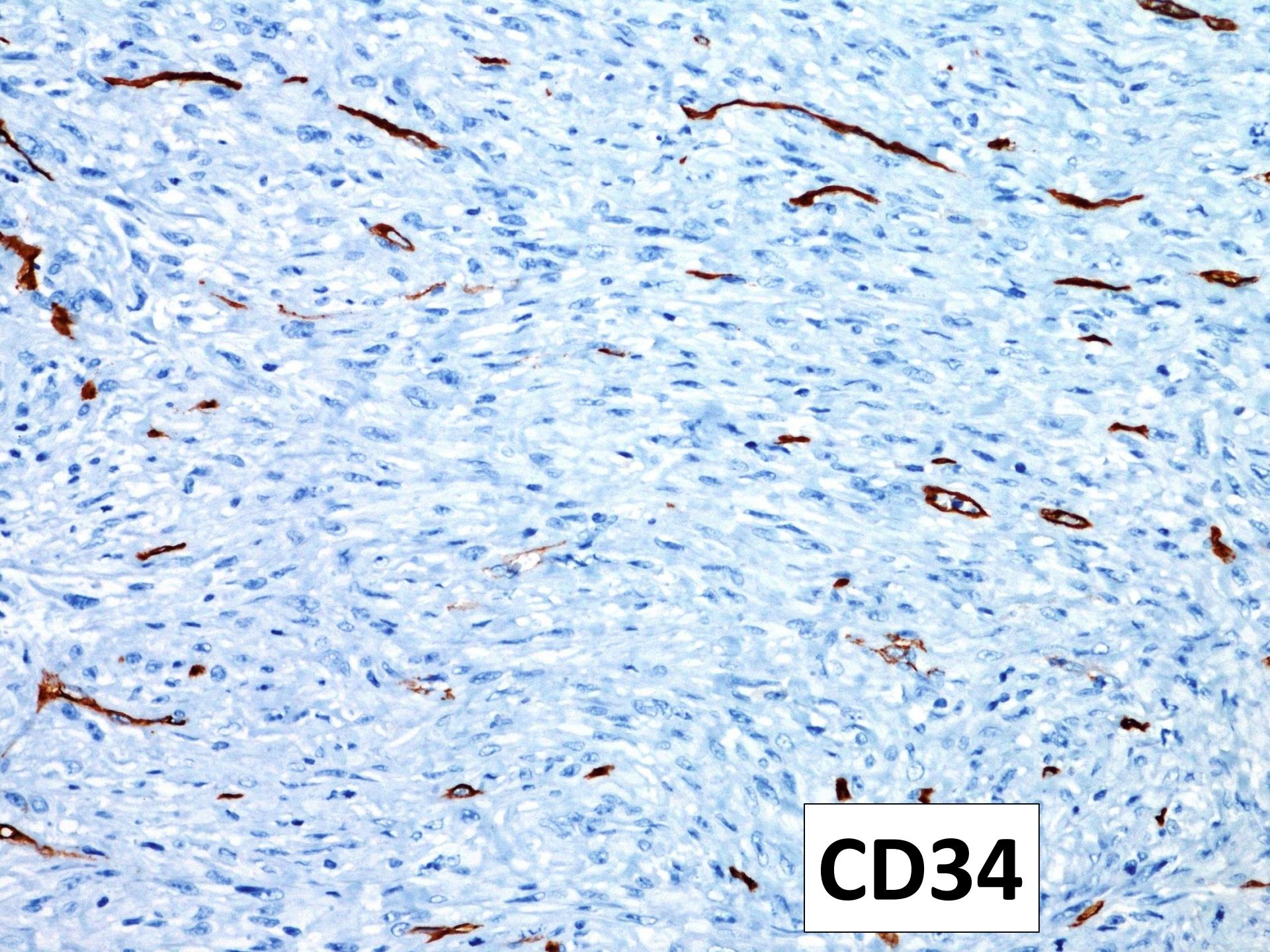
**p63**



**S100**



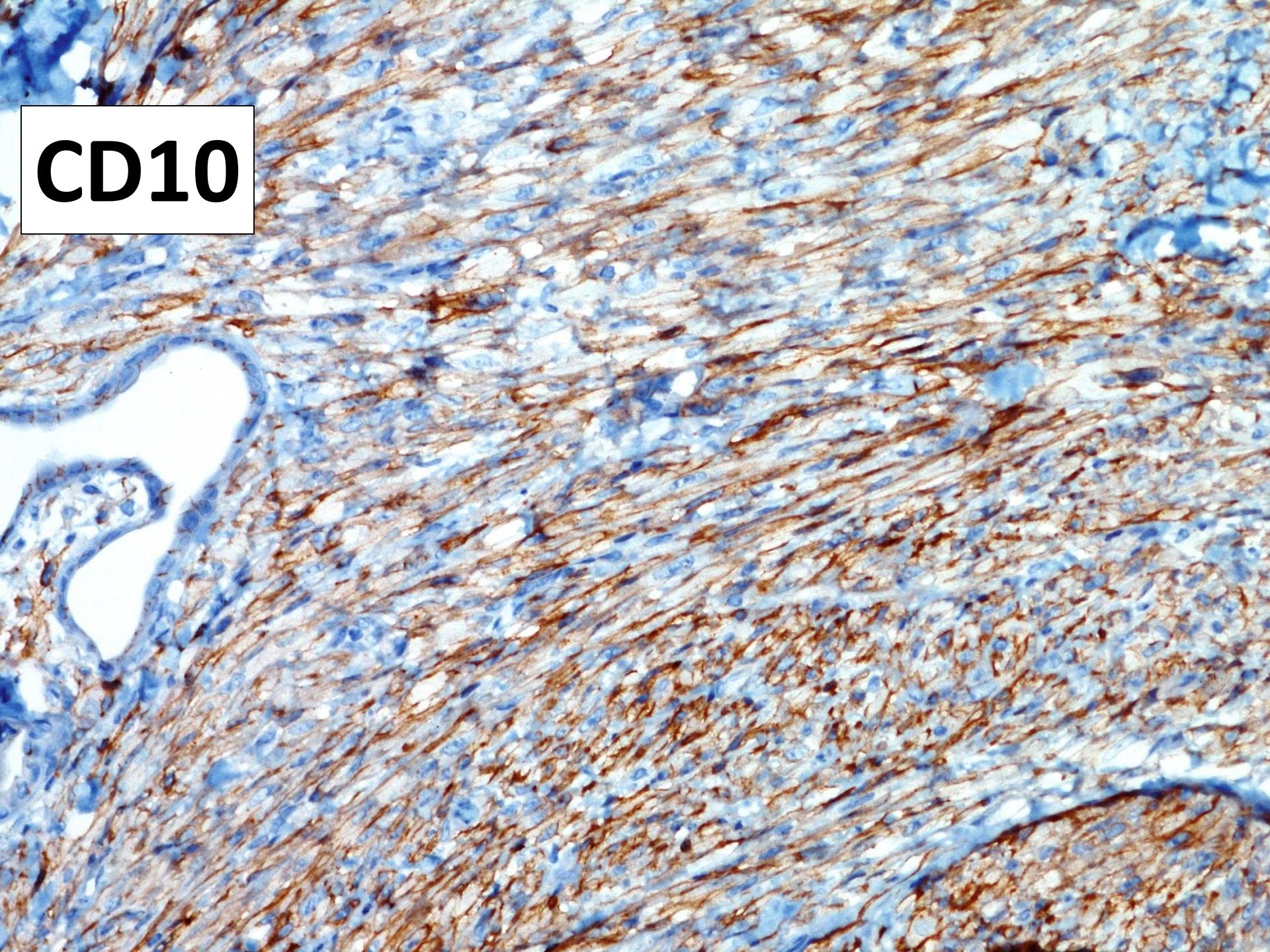
**SOX1<sub>0</sub>**

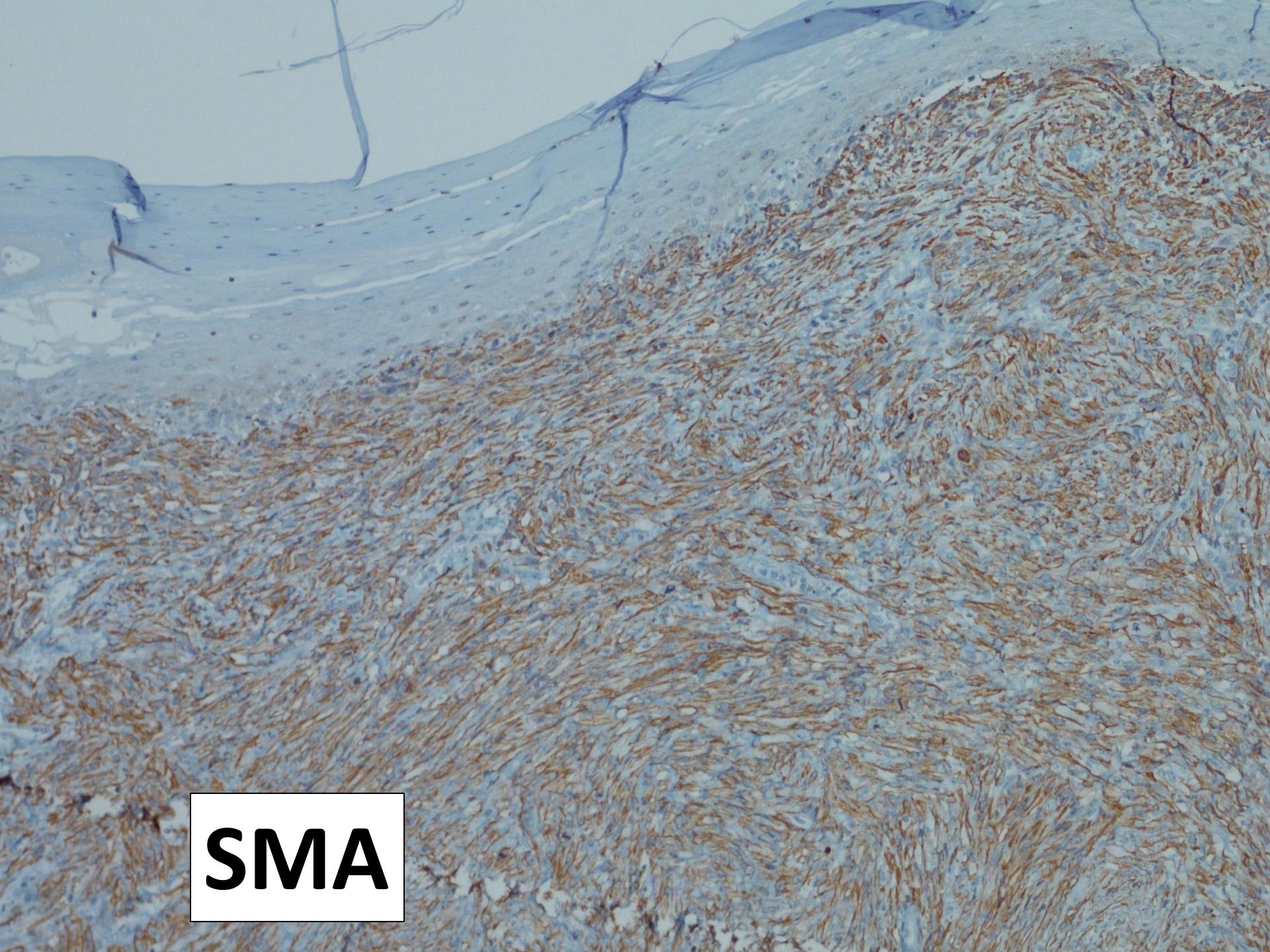


**CD34**

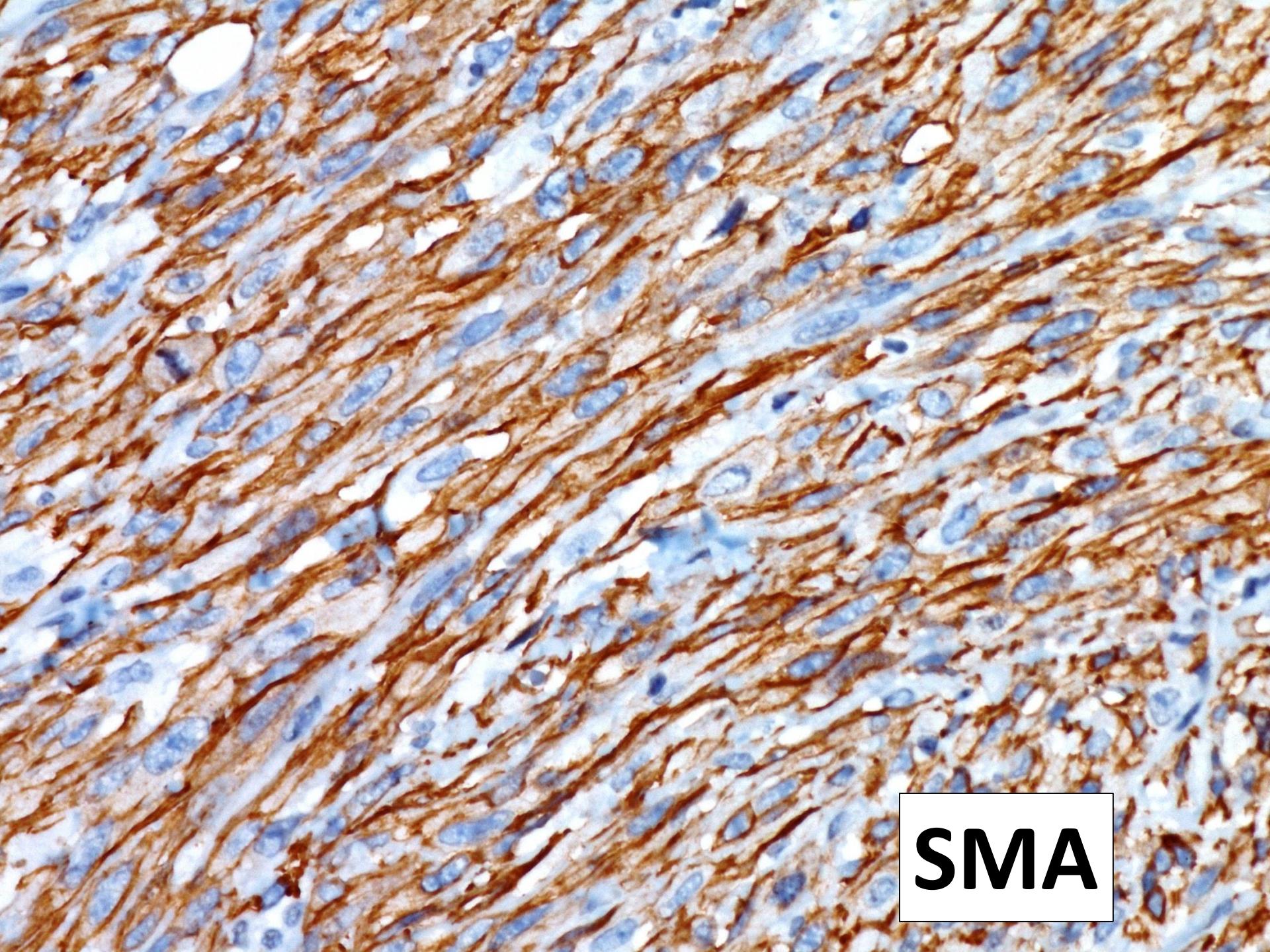
The image shows a tissue section stained with CD34 antibody. The background is blue, likely from hematoxylin staining. Brown, irregularly shaped areas represent positive immunostaining for CD34, which highlights vascular structures and some cellular components. A white rectangular box in the bottom right corner contains the text "CD34" in large, bold, black letters.

**CD10**



A histological section stained with immunohistochemical markers. The majority of the tissue shows a dense network of brown-stained fibers, characteristic of smooth muscle actin (SMA) expression. In the upper left corner, there is a distinct layer of blue-stained nuclei, likely representing a different tissue type or a specific cellular population. The overall pattern suggests a cross-section of a muscular structure.

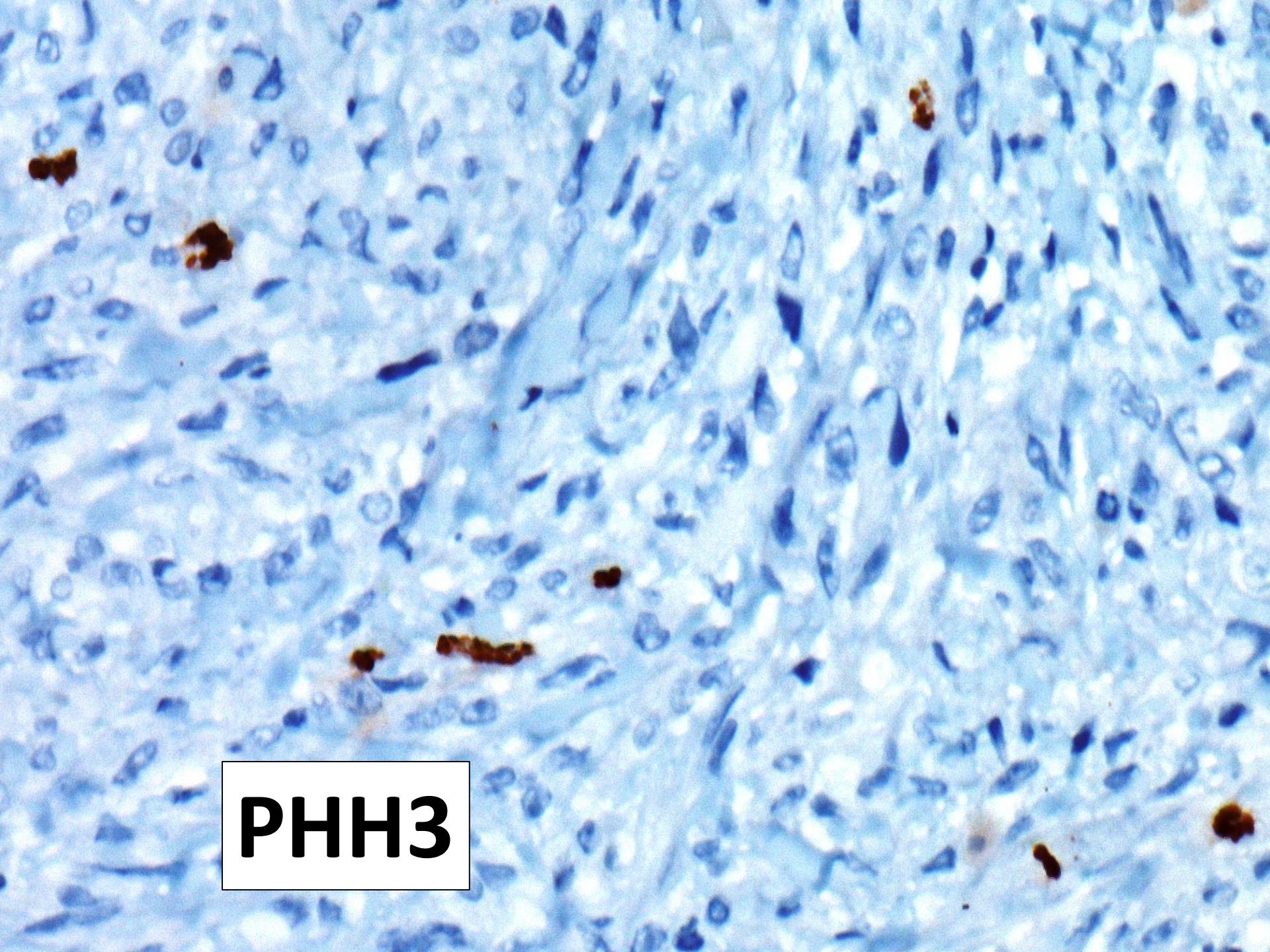
**SMA**



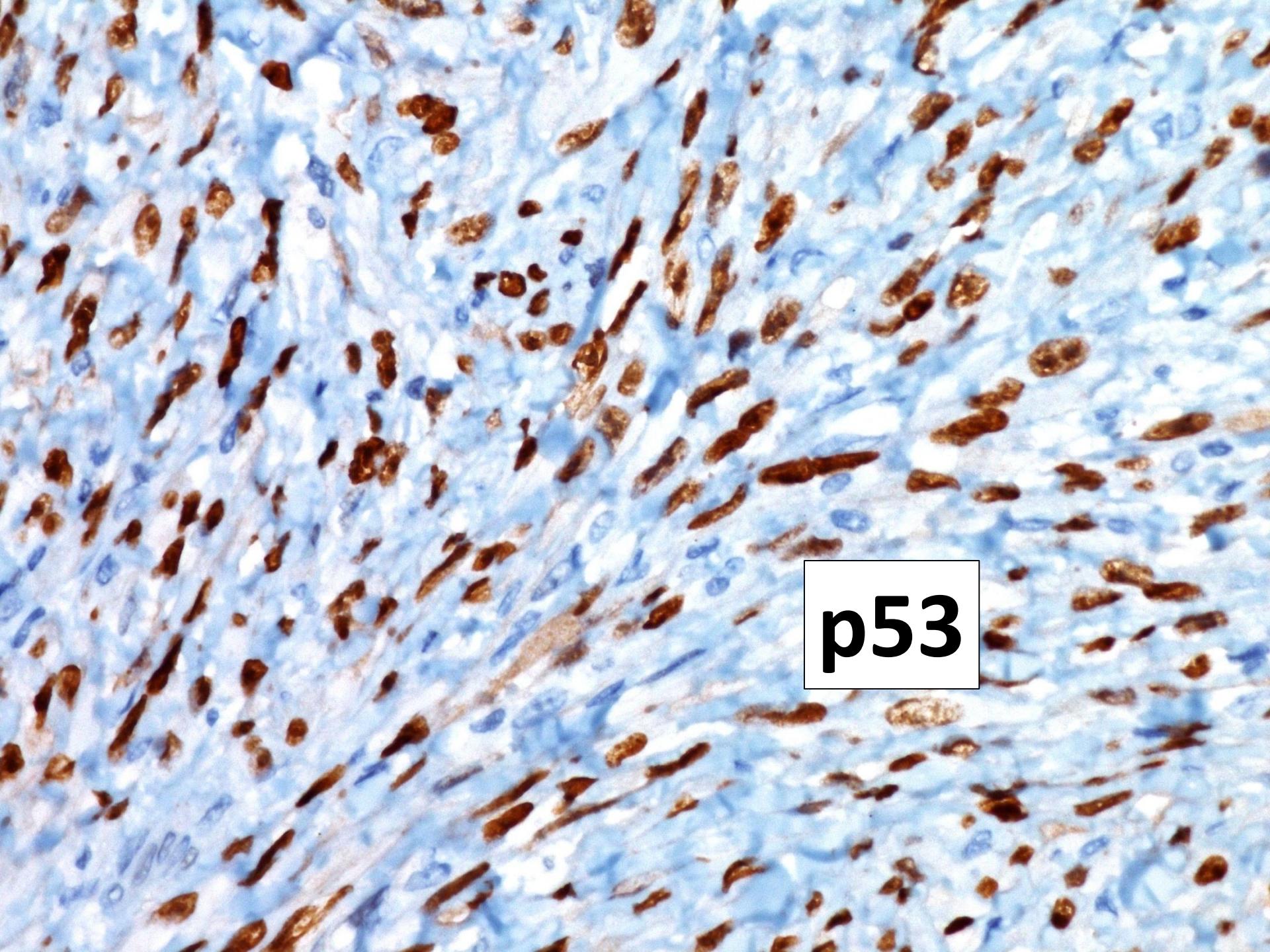
**SMA**



**H-caldesmon**



**РННЗ**

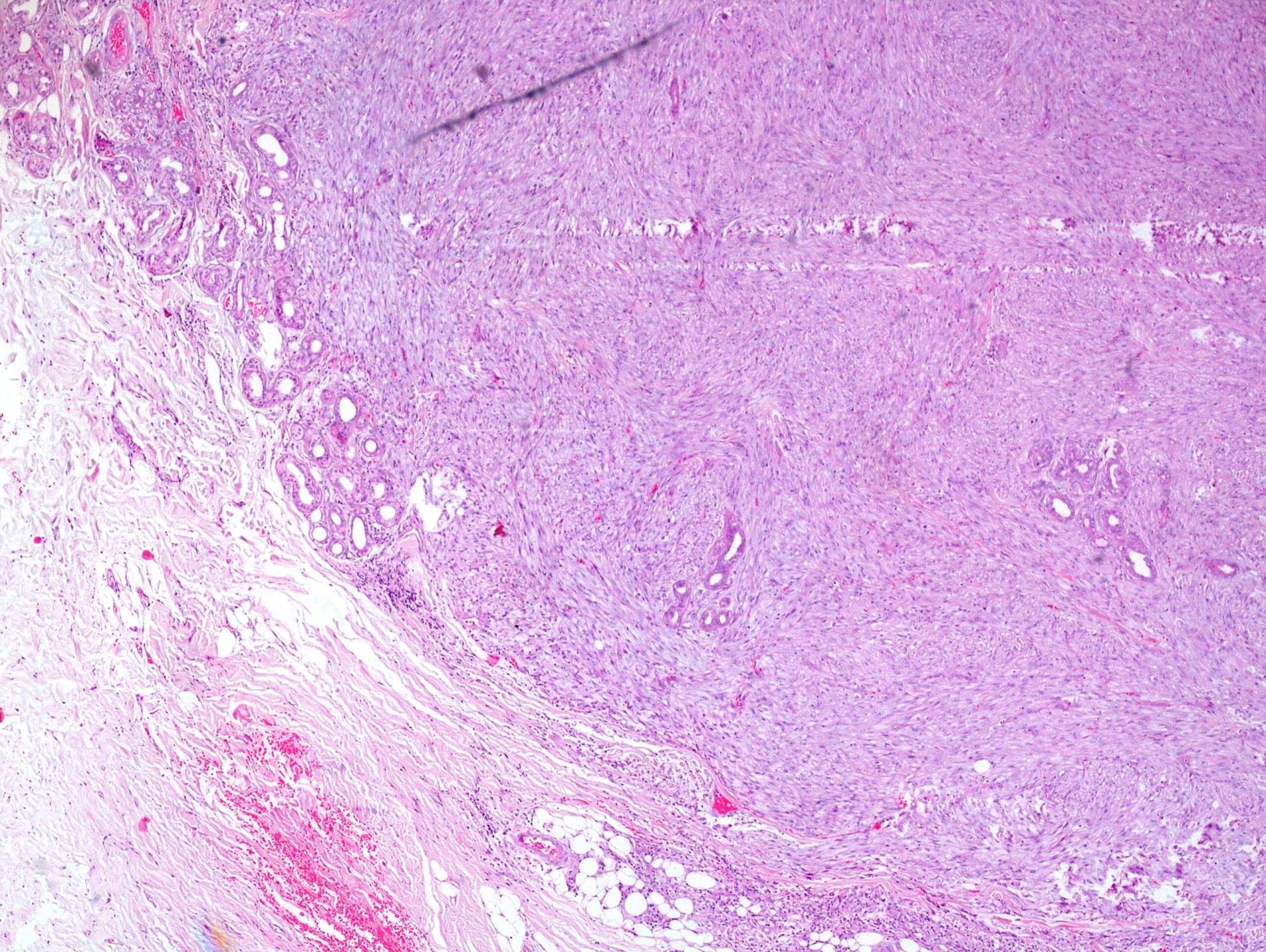
This image shows a tissue section stained for the p53 protein using immunohistochemistry. The nuclei of the cells are stained blue, while the p53-positive areas appear brown. The brown staining is concentrated in the nuclei of many cells, indicating positive expression of the p53 gene. A white rectangular box in the lower right corner contains the text "p53".

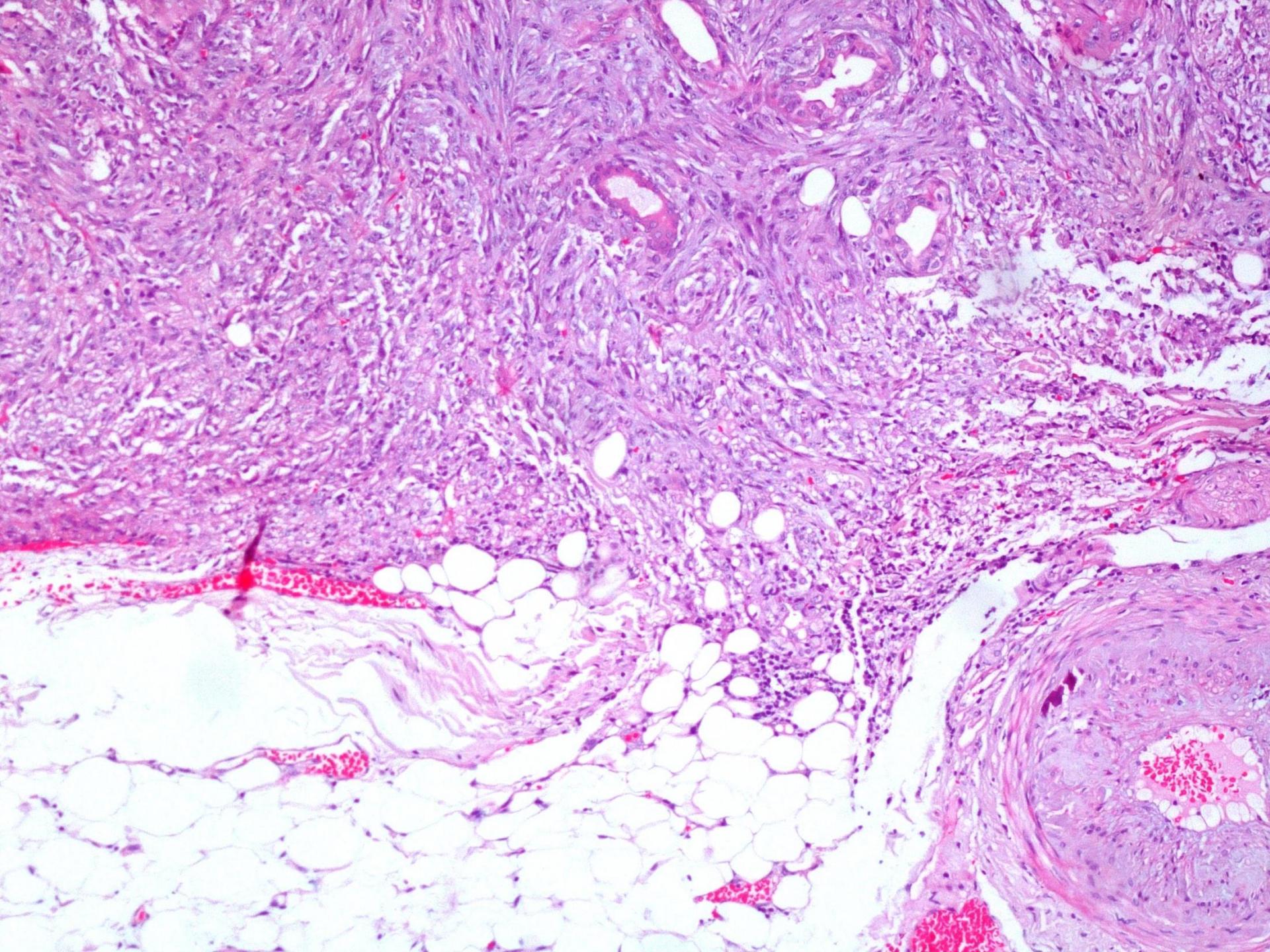
**p53**

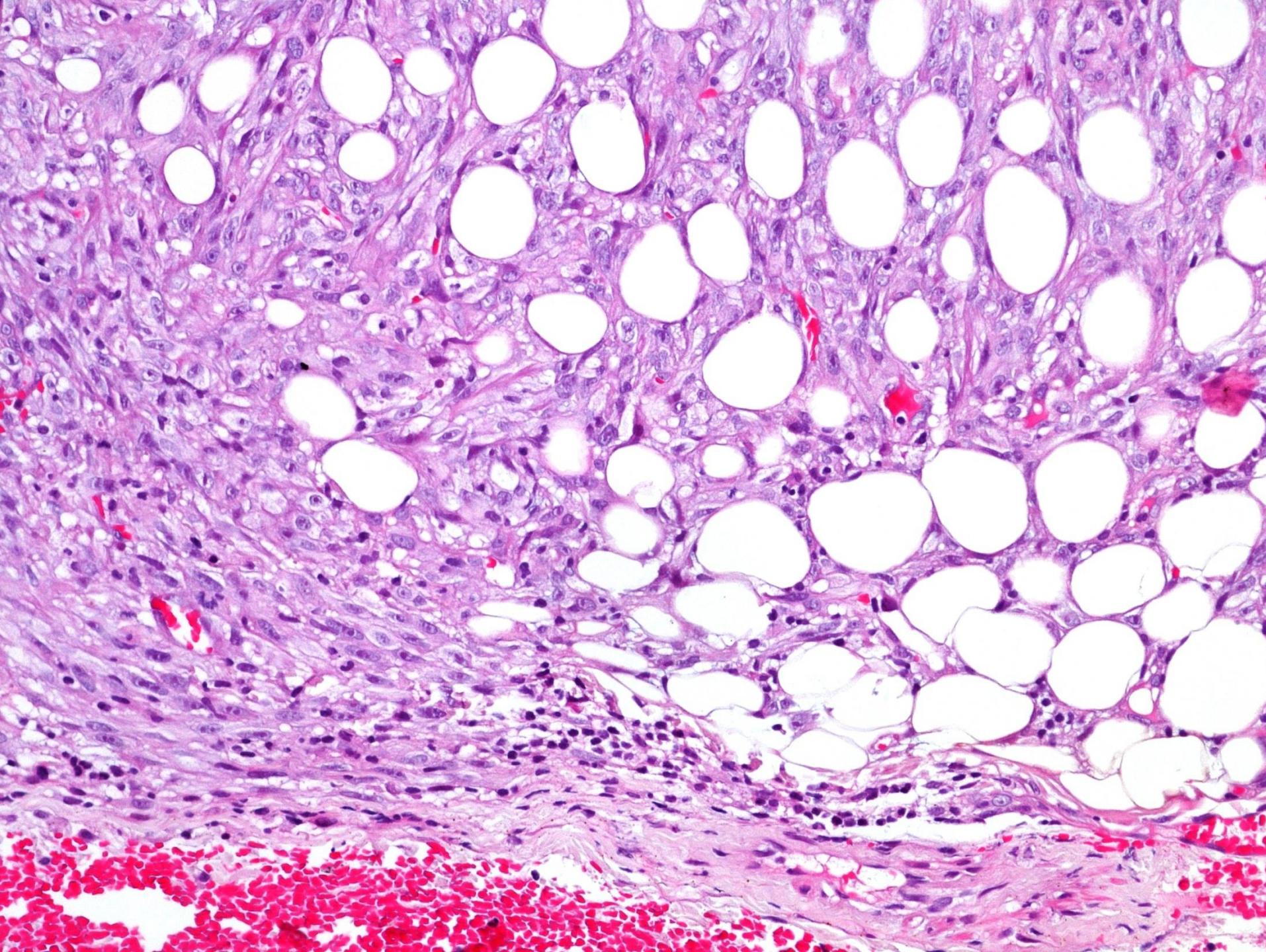
# AFX versus PDS

df dg prezentovaného kutánneho tumoru

- NEKRÓZY - **NIE**
- ANGIOLYMFATICKÁ / PERINEURÁLNA INVÁZIA - **NIE**
- INVÁZIA DO SUBCUTIS - **ÁNO**







# ZÁVER

*MTS pleomorfného dermálneho sarkómu  
do oblasti glandula parotis vľavo*

# Second look „AFX“

...daný novotvar nedisponuje ani nekrózami, ani lymfovaskulárhou, či perineurálou inváziou. Zachytili sme však celkom okrajové šírenie do podkožia, preto pri znalosti metastázy do parotickej oblasti novotvar uzatvárame ako **pleomorphic dermal sarcoma. (M-8802/3)**

# TAKE HOME MESSAGE

- Všetko sa môže podobať na všetko
- Informácie o pacientovi sú dôležité
- Pri tumoroch typu AFX si všímajme podkožie

# Ďakujem za pozornosť

