Tumors

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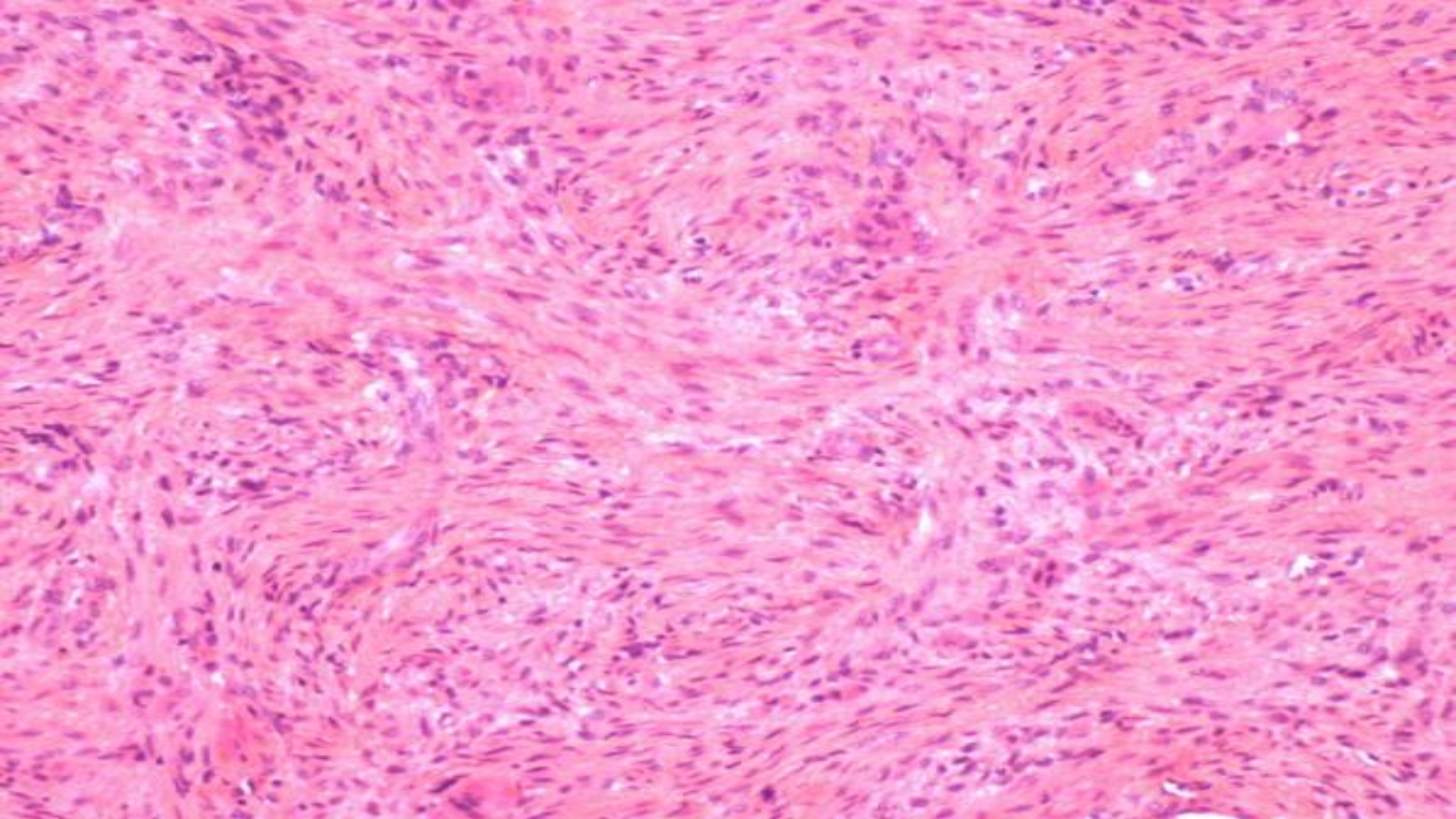
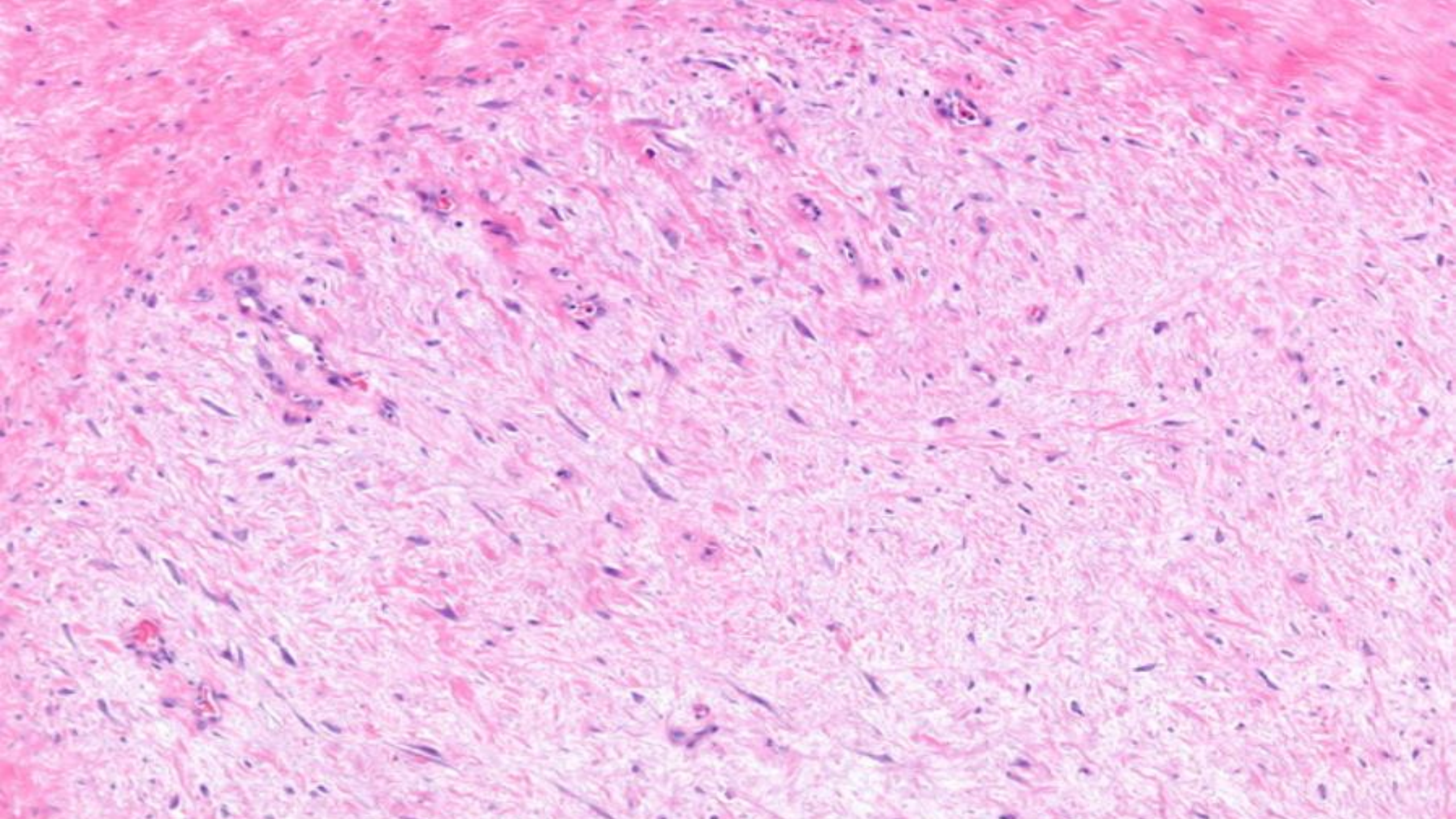
Diagnosis: Fibroma

Origin: Fibroblast

Lesions:

1. Presence of bundles of collagen fibers and fibroblasts extend with diverse directions to form whorls.
2. The fibroblast is spindle in shape with cigarette shape nucleus in the middle of the cell.
3. Numbers of the fibroblasts is little in comparison to the high number of collagen fibers.
4. Presence of capsule around the neoplastic tissue.



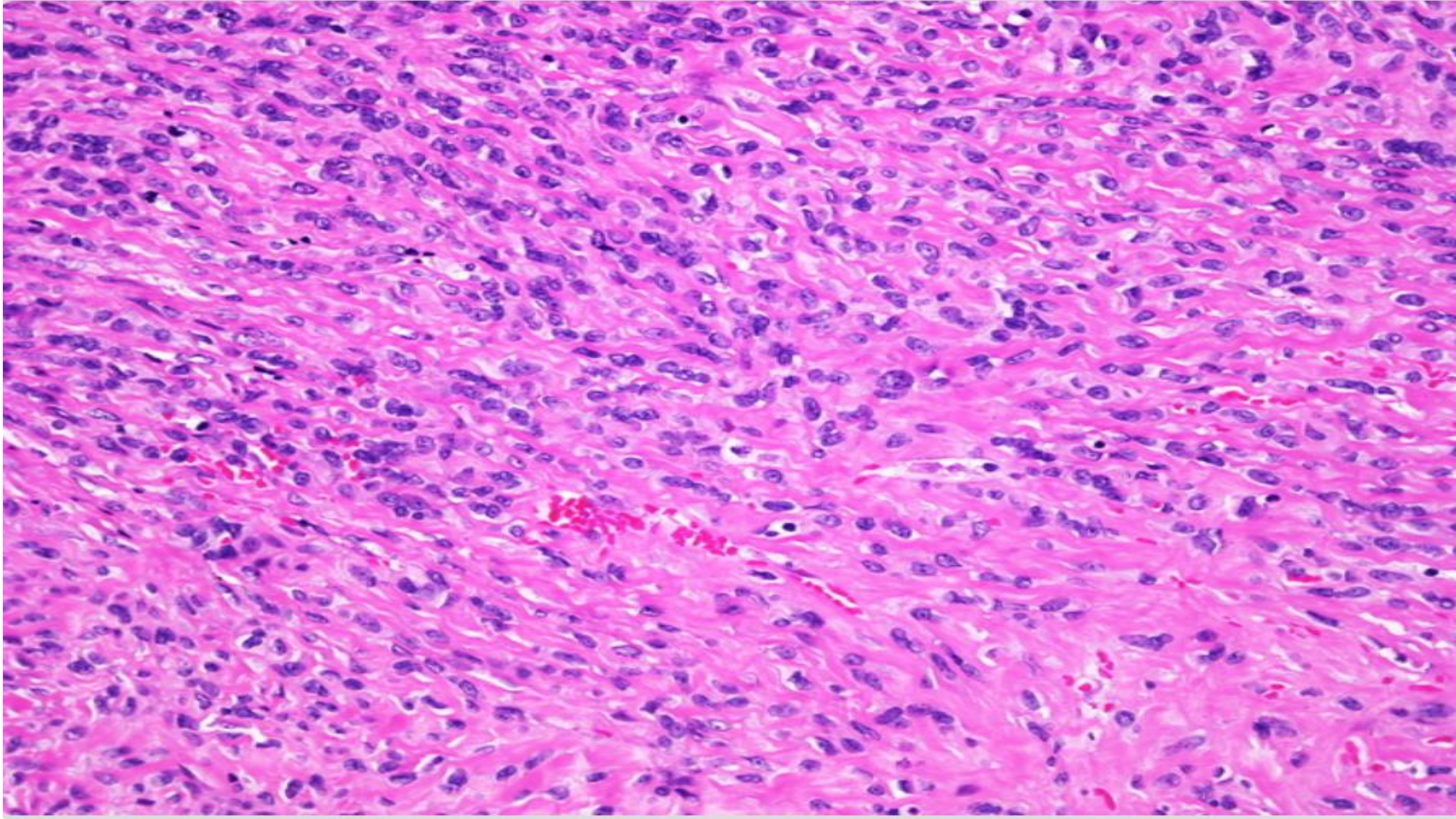


Diagnosis: Fibrosarcoma

Origin: Fibroblast

Lesions:

1. The collagen fiber bundles take straight way.
2. The fibroblasts take different shape and sizes like oval and star shape.
3. The nuclei of the fibroblasts are large in size and have high amount of chromatin (hyperchromatia).
4. Hemorrhage in the tissue.

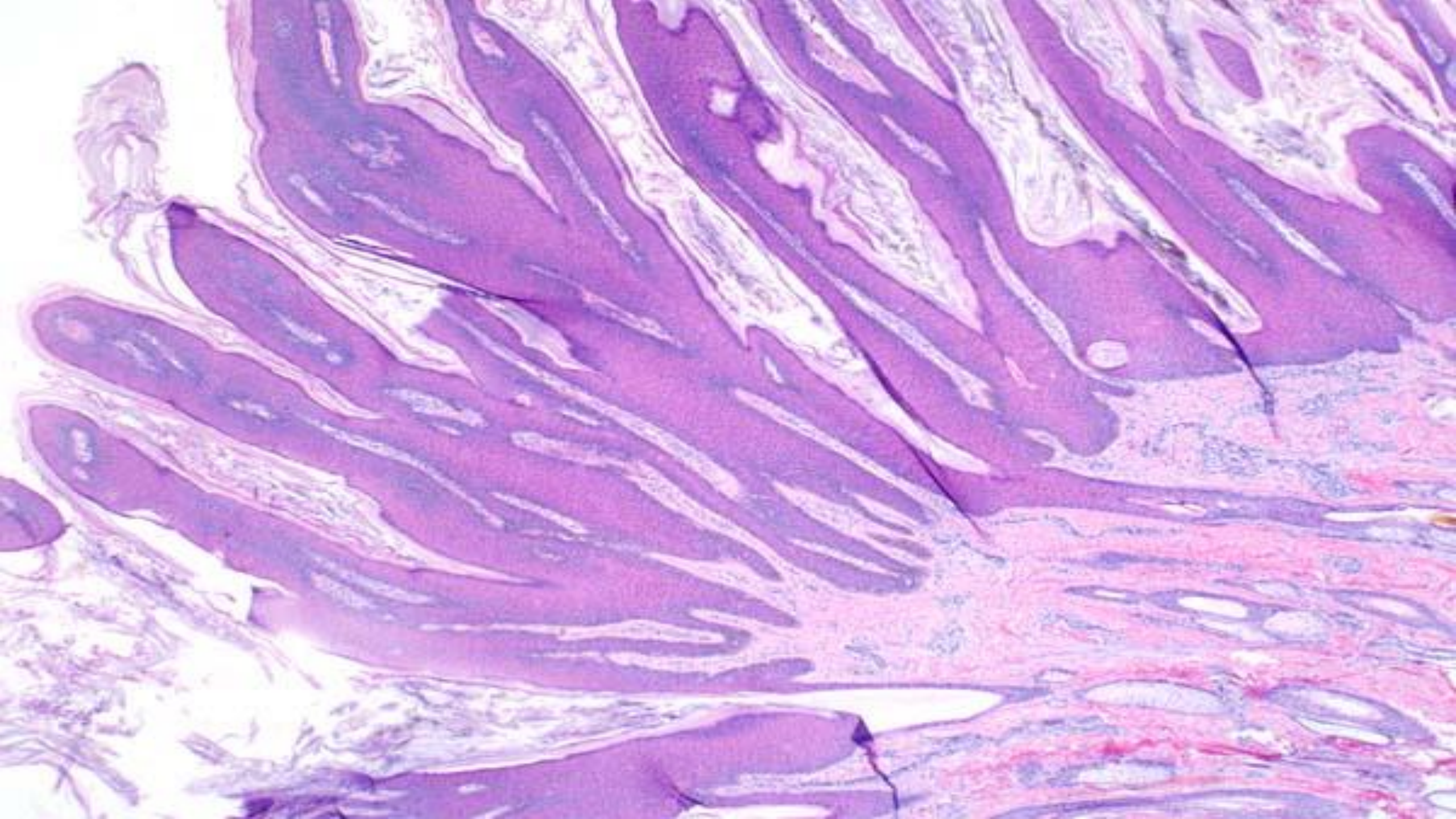


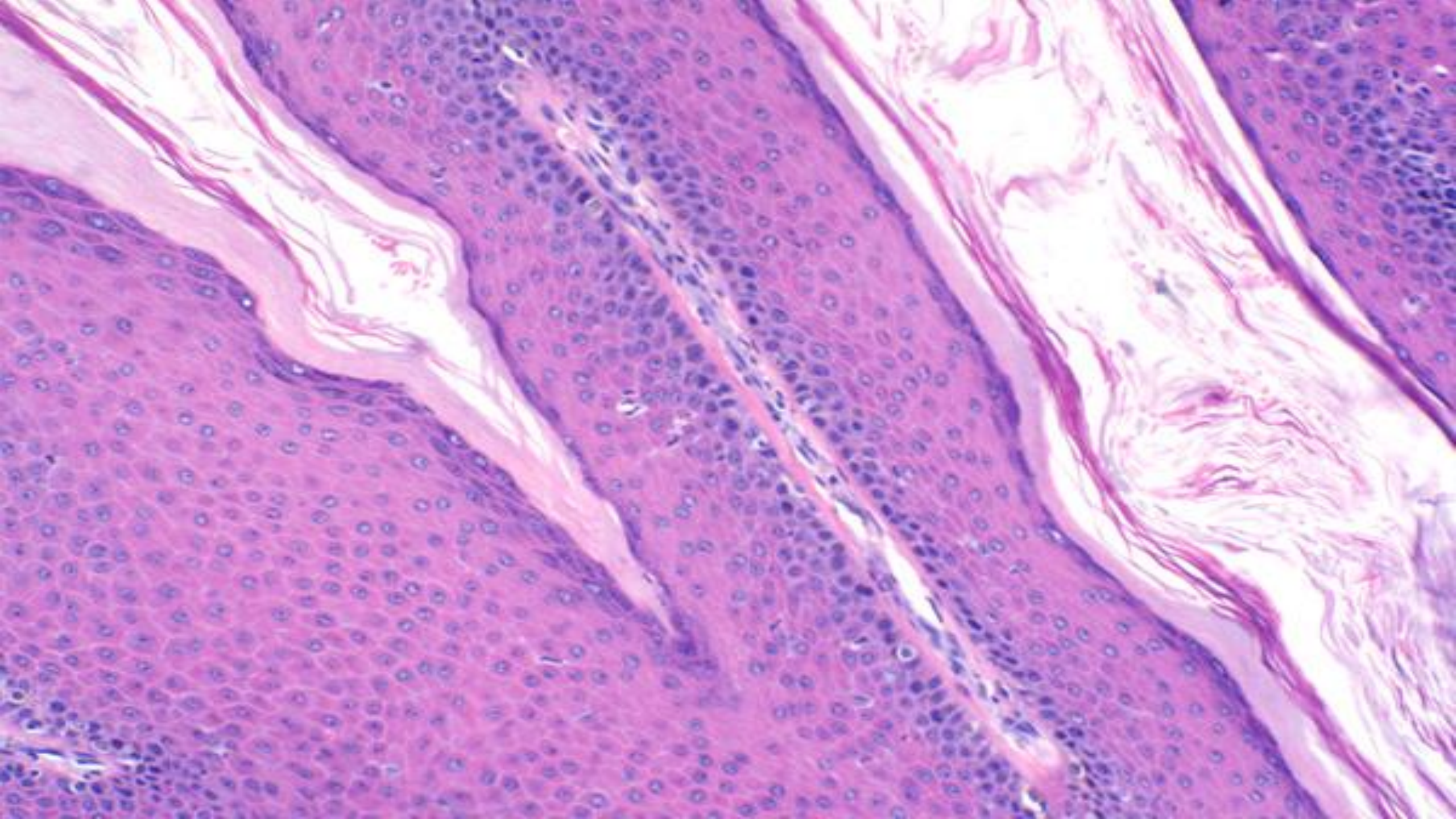
Diagnosis: Squamous papilloma

Origin: Squamous cell

Lesions:

1. Hyperplasia of the squamous epithelial cell upwards and downwards as finger projections (Acanthosis).
2. Presence of hyperkeratosis.





Diagnosis: Squamous cell carcinoma

Origin: Squamous cell

Lesions:

1. The squamous cell increase in number and extend from the dermis in the form of fingers or cords.
2. The squamous cell infiltrate through the basement membrane under the epidermis to the dermis to form cellular accumulation like nests (cell nests); that consist of keratohyalin material surrounded by squamous epithelial cell in the form of lamellae (keratin pearls).
3. Presence of stages of mitotic figure in the nuclei of squamous cell.
4. Hemorrhage in the tissue.