

PLACENTAL VASCULAR DEVICES

COVID-19

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INTRODUCTION

- We aim to present the set of microscopic images of placenta-vascular elements in structural context in Sars-Cov-2 infection.

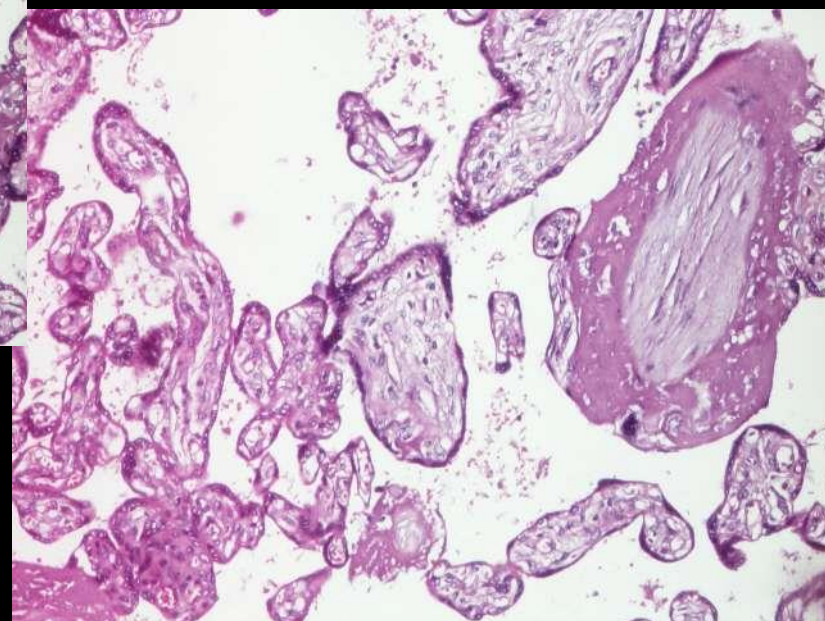
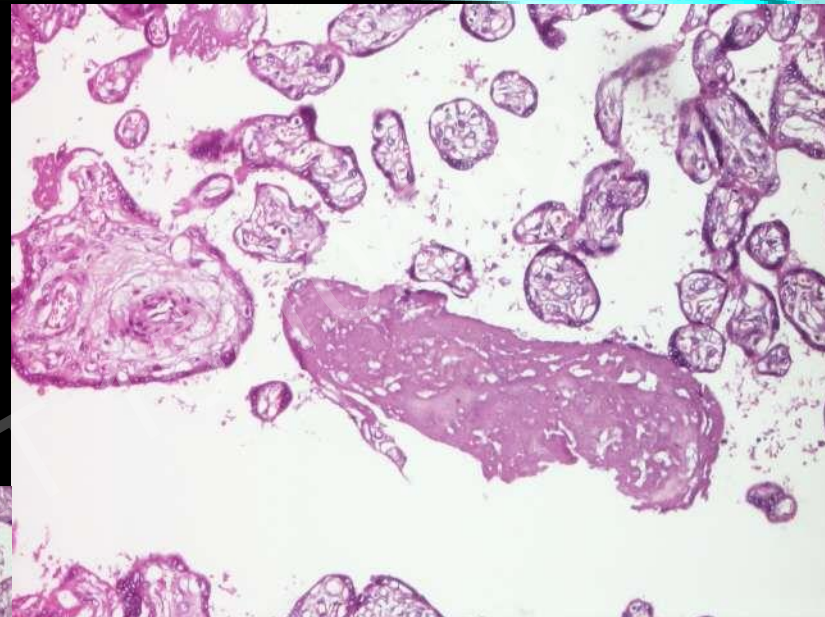
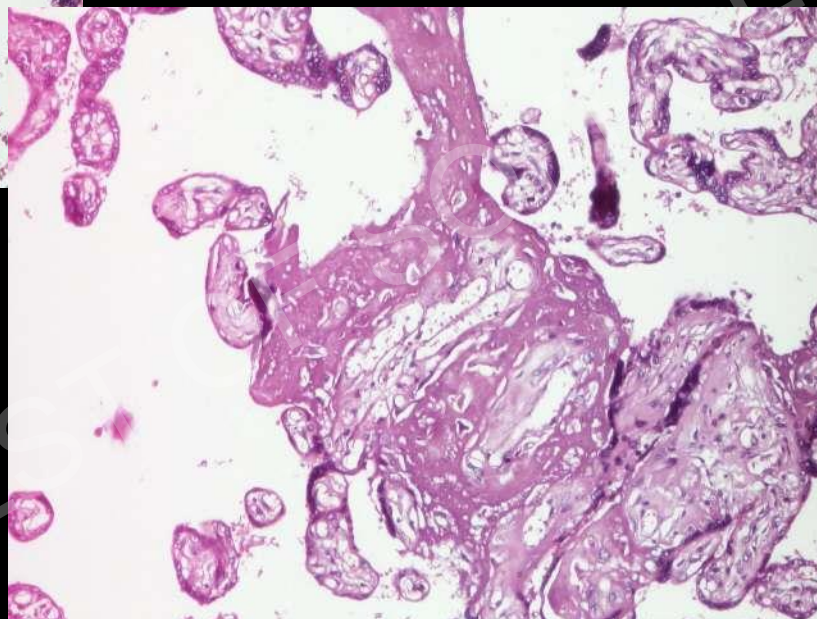
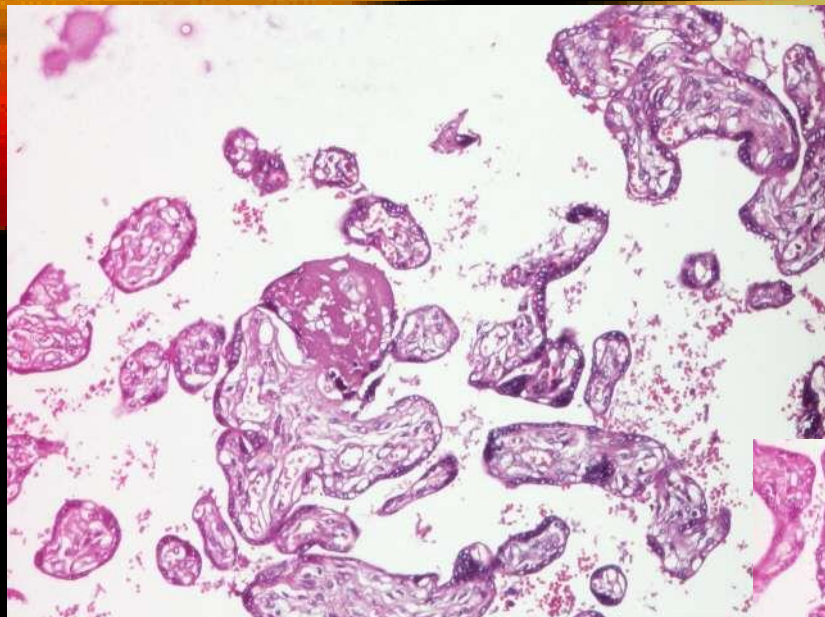
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MATERIAL AND METHOD

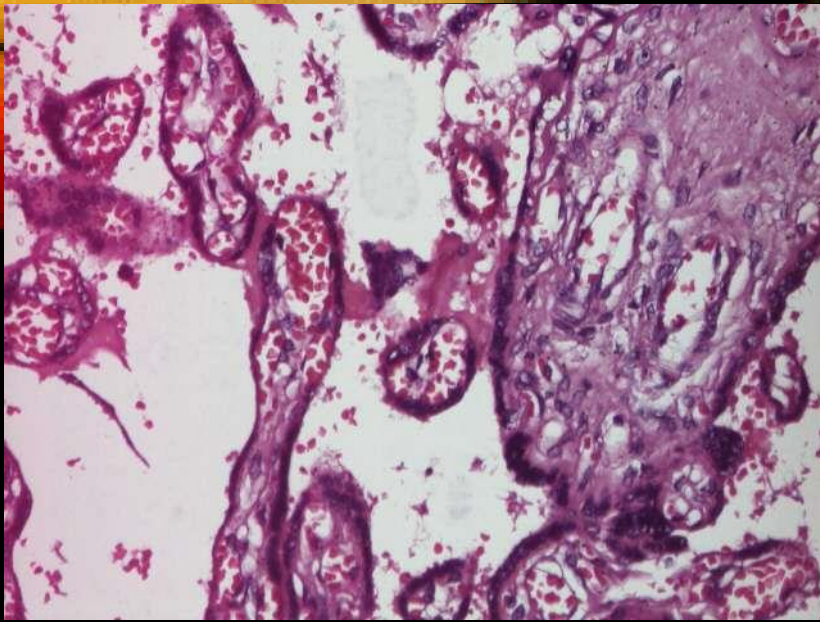
- Material studied
- The studied material was represented by placental fragments with gestational age at term, post-cesarean section.
- Working method
- Fragment processing - paraffin embedding technique
- Hematoxylin-eosin staining
- The study was carried out in the period 2020-2021, in the Pathology Department of the "FILANTROPIA" Municipal Clinical Hospital -Craiova.

RESULTS

- Microscopic evaluation revealed:
- -endothelial continuity lesions
- -dissociative vascular wall edema
- -thrombosis
- -fibrinoid
- -pervillous, intravillous, decidual calcific deposits
- -focal, multiple syncytial nodes
- -decidual necrotic-hemorrhagic areas
- -decidual pale-eosinophilic cells, focal with clear cytoplasm and condensed chromatin

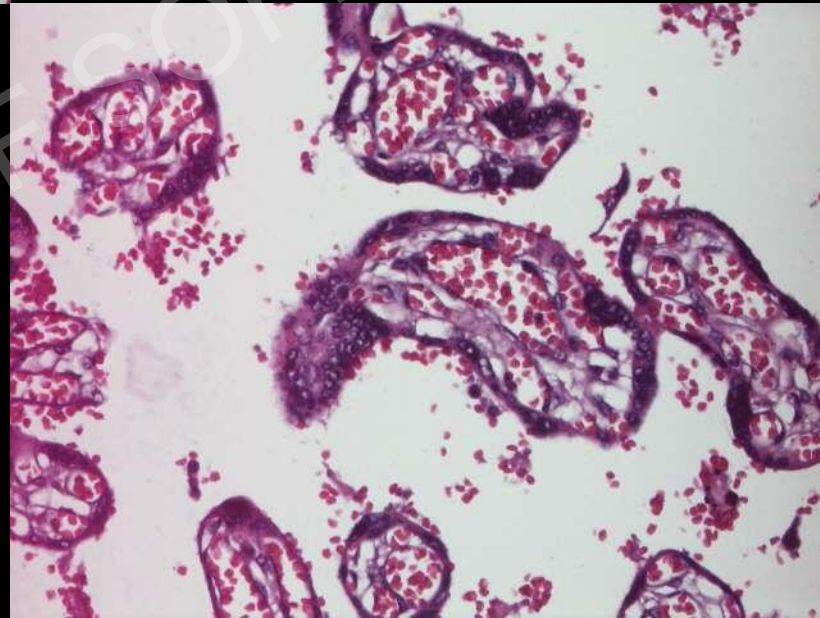


Villous microscopic-optical
images
H&E, 100x

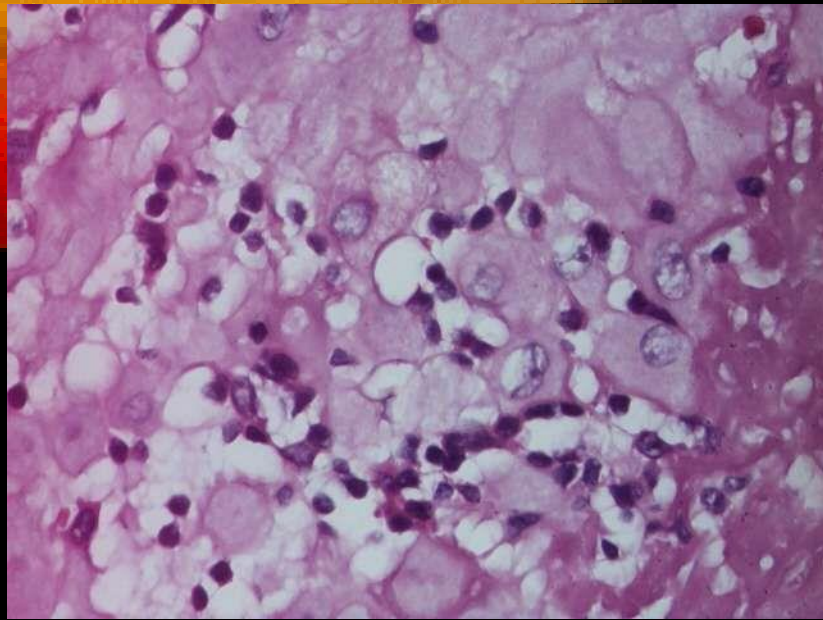


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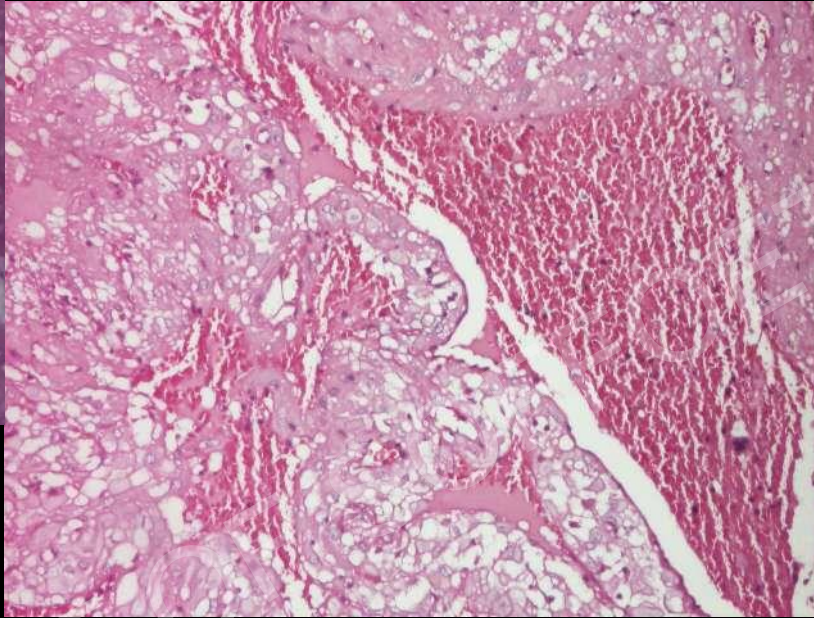
Microscopic villous
aspects



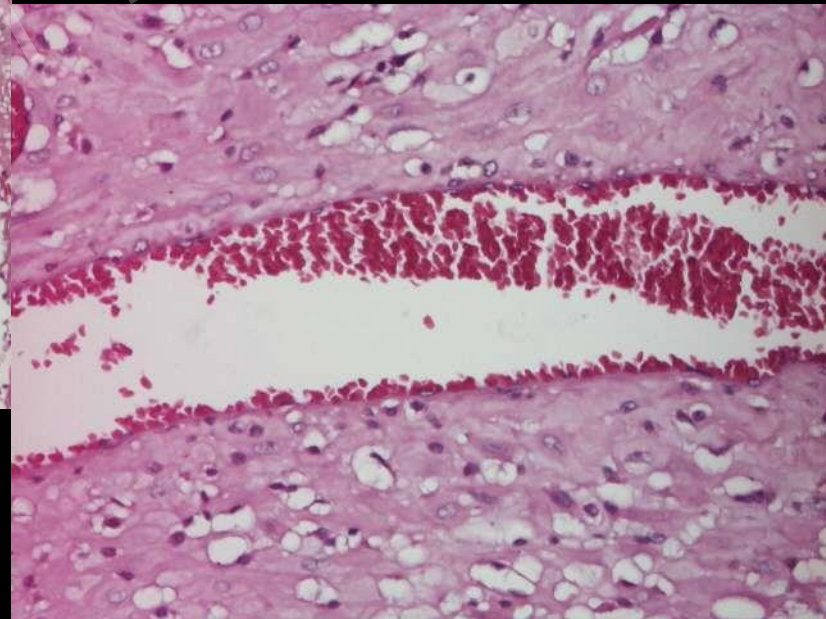
H&E, 200x



H&E,200x

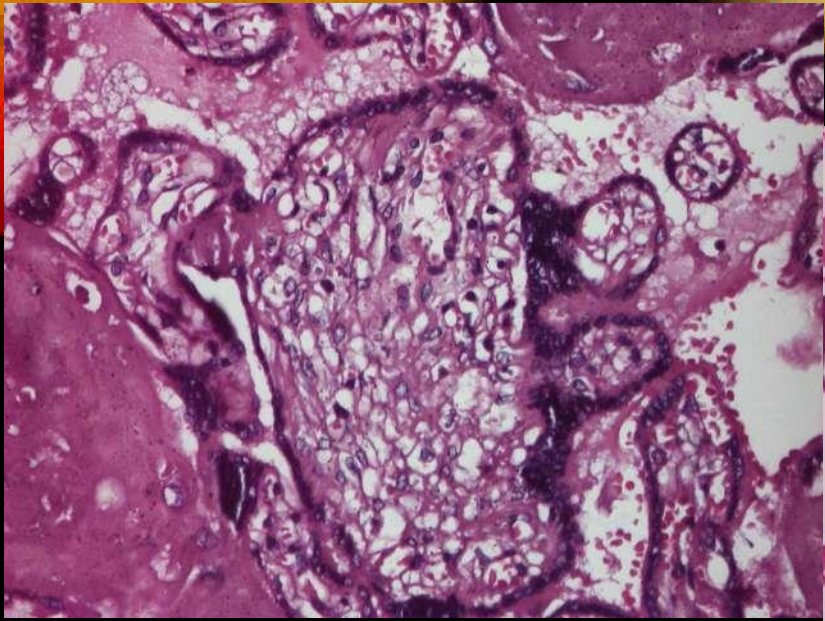


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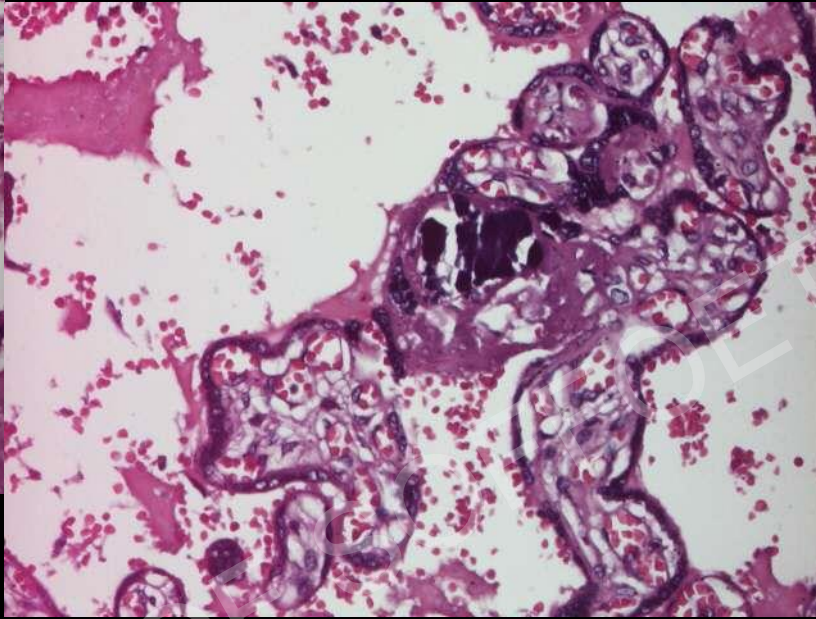


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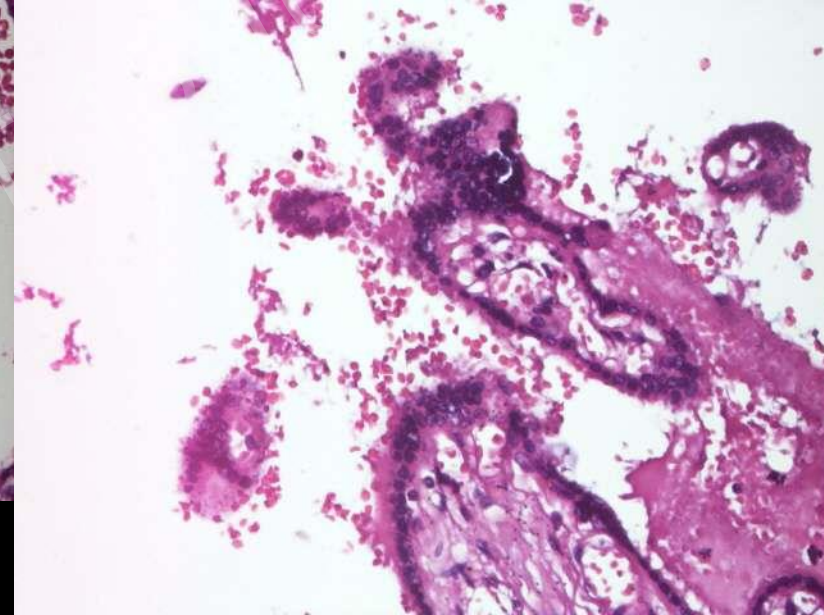
Decidual microscopic
aspects



H&E,200x

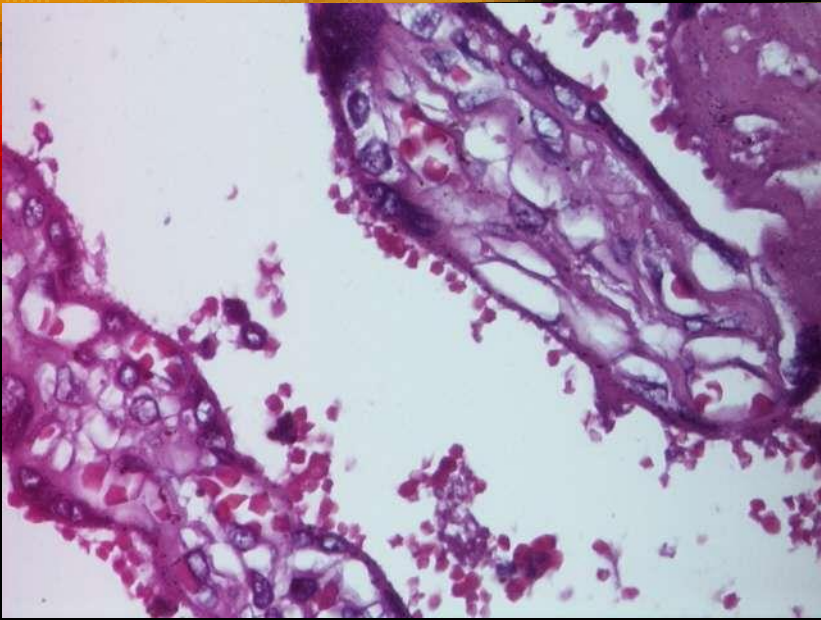


H&E,200x

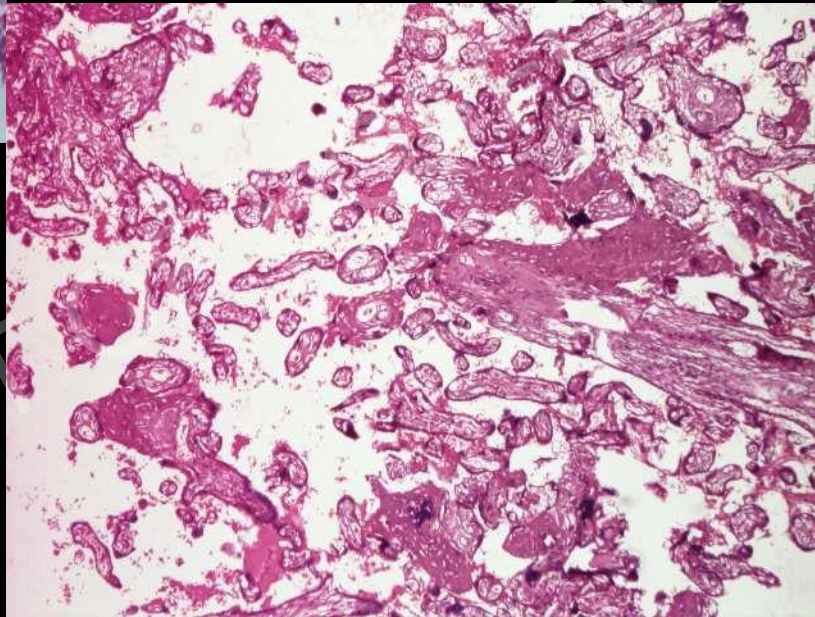


H&E,200x

Microscopic villous aspects

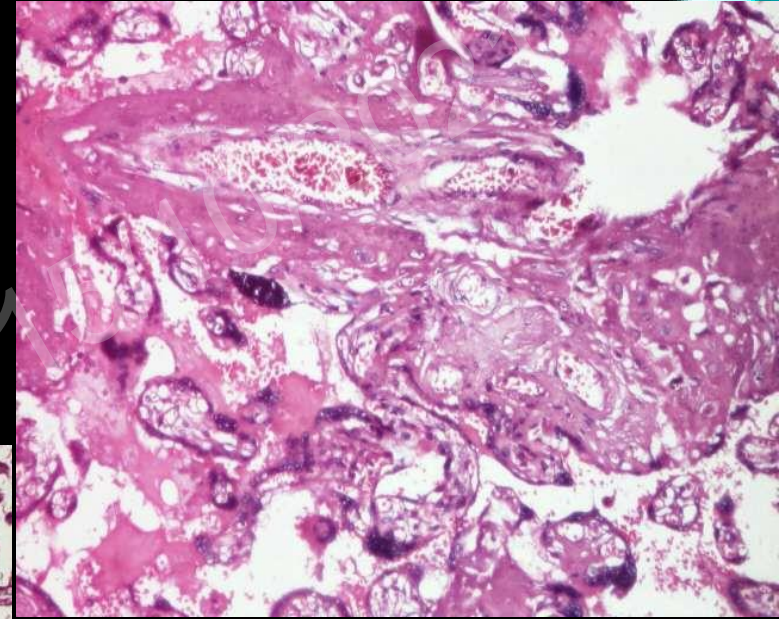


H&E,400x

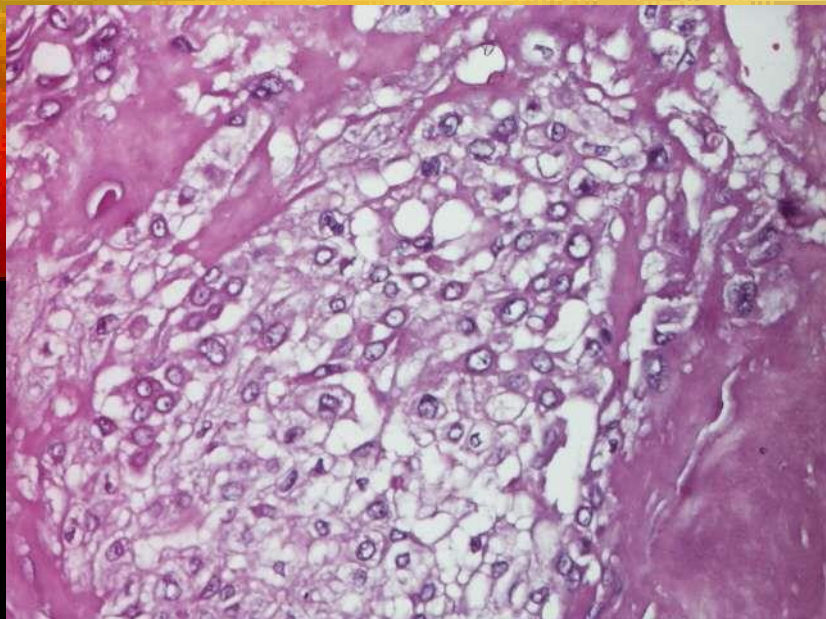


H&E,40x

Microscopic villous
aspects

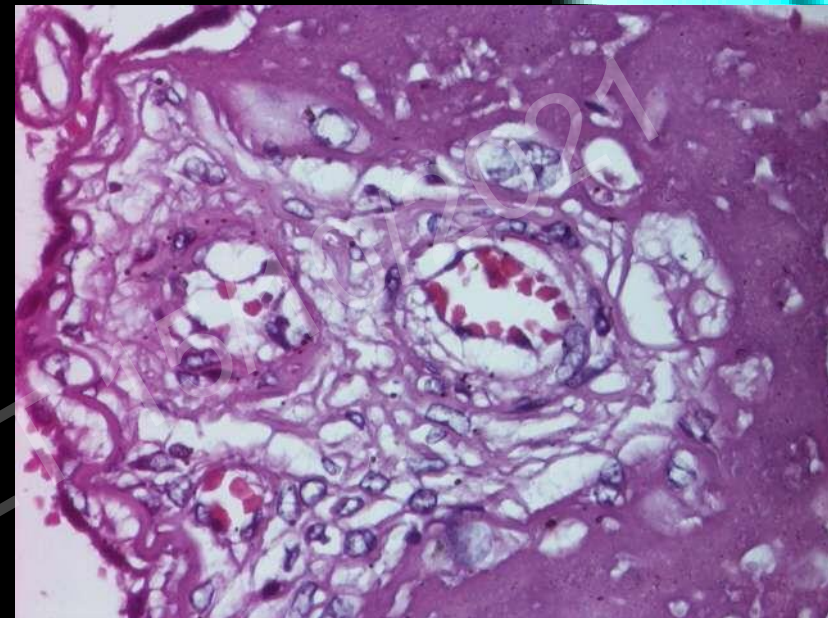


H&E,40x

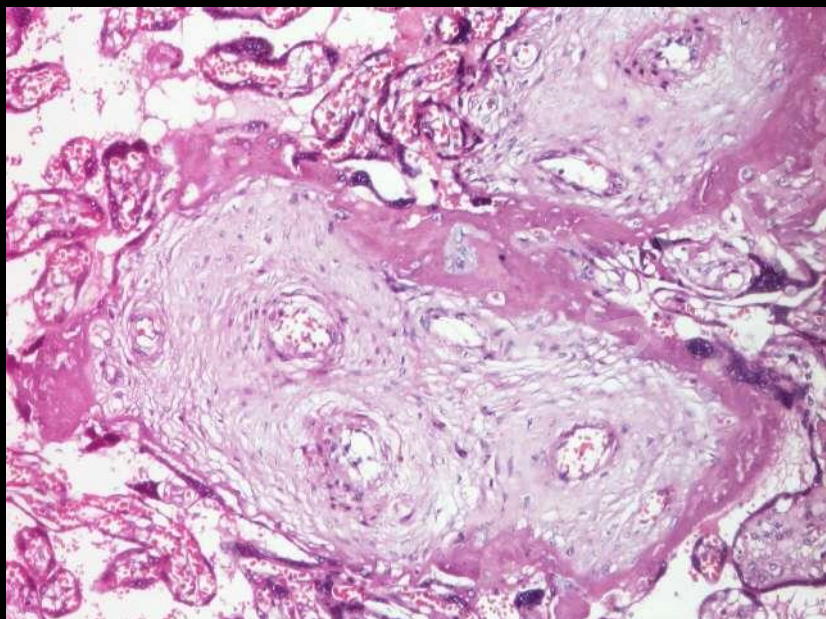


Decidual
microscopic
aspects
associated with
villous

H&E,200x

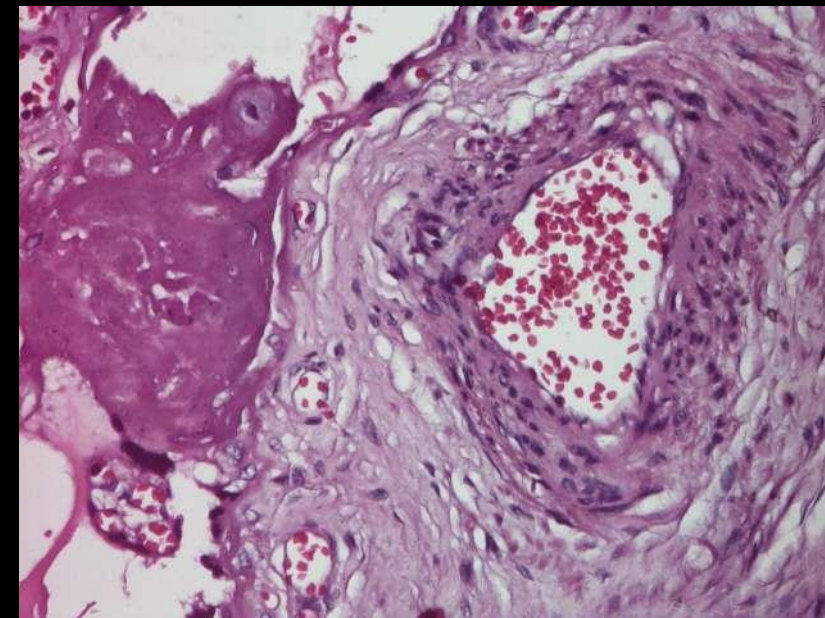


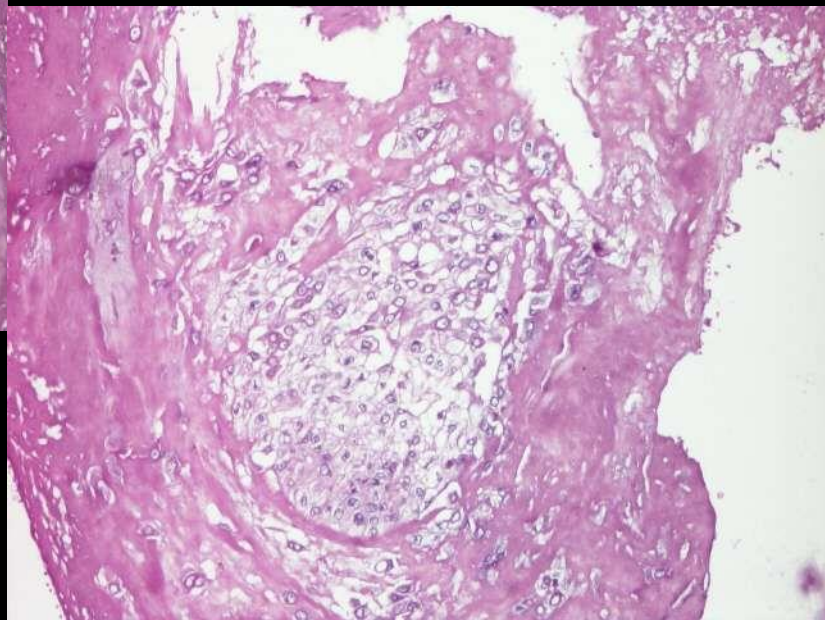
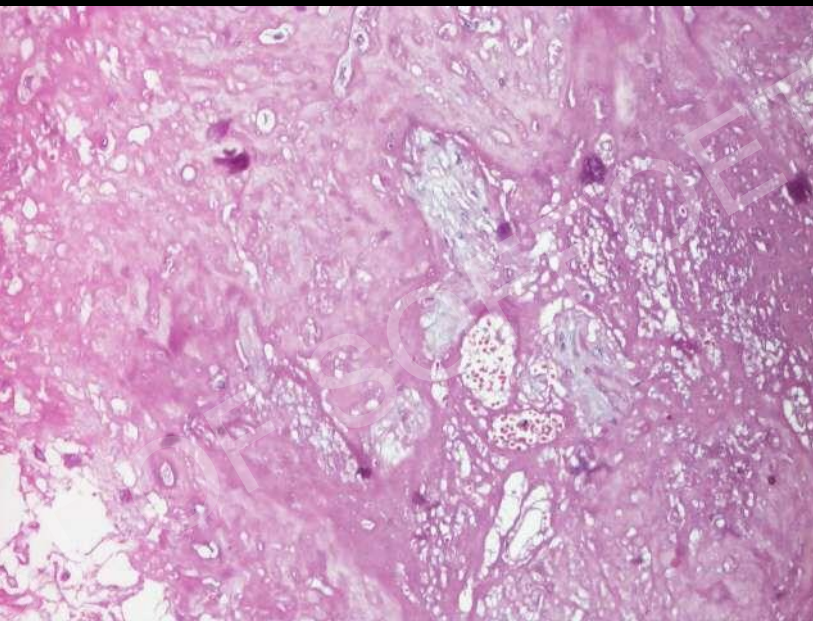
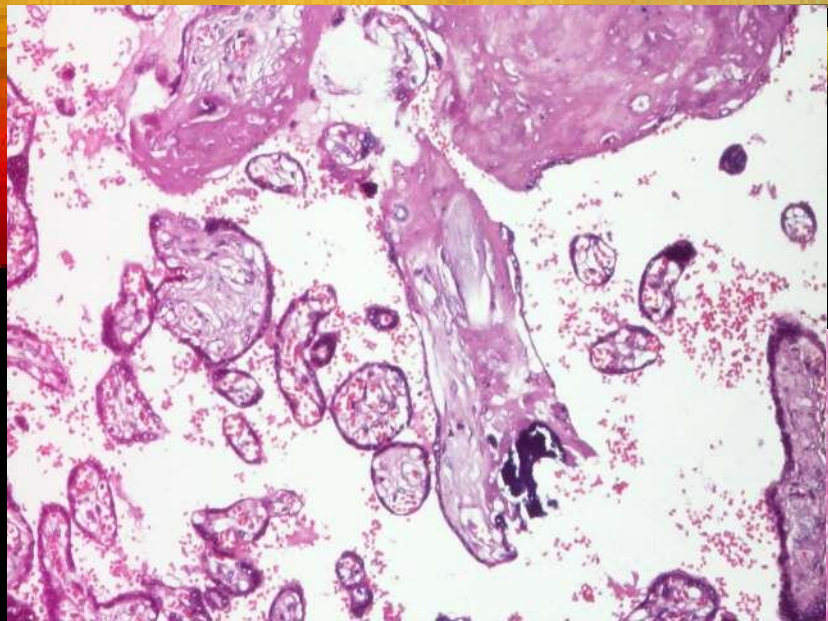
H&E,400x



H&E,200x

H&E,100x



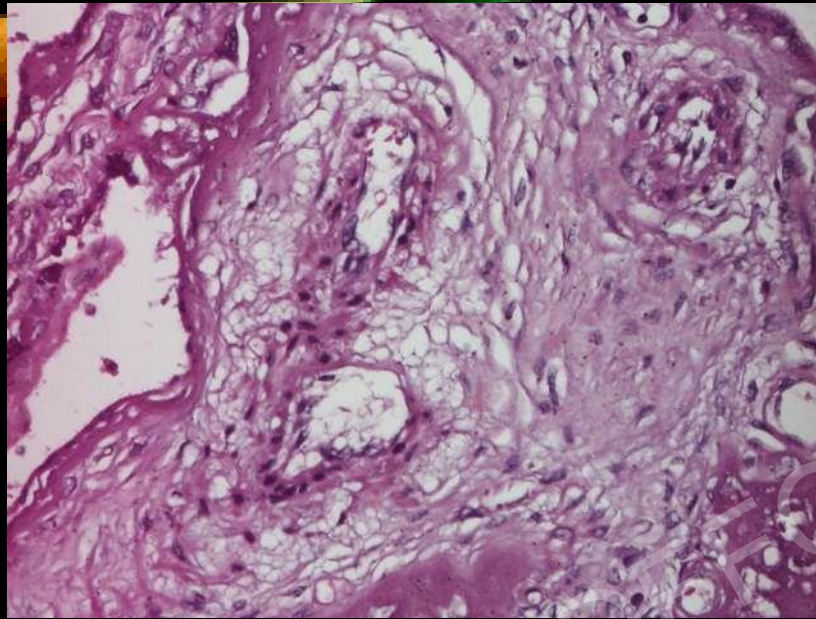


Placental microscopic-optical
aspects
H&E, 100x

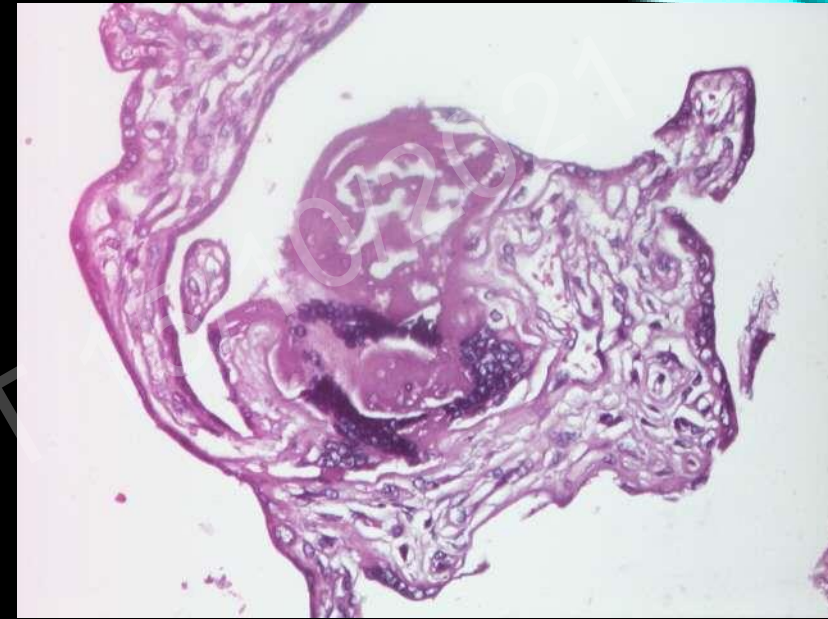
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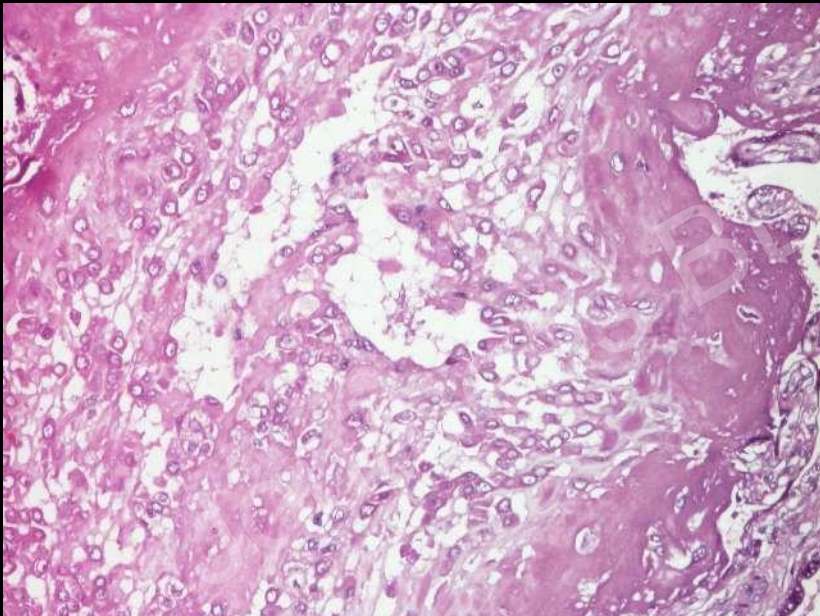
Decidual and villous
microscopic aspects



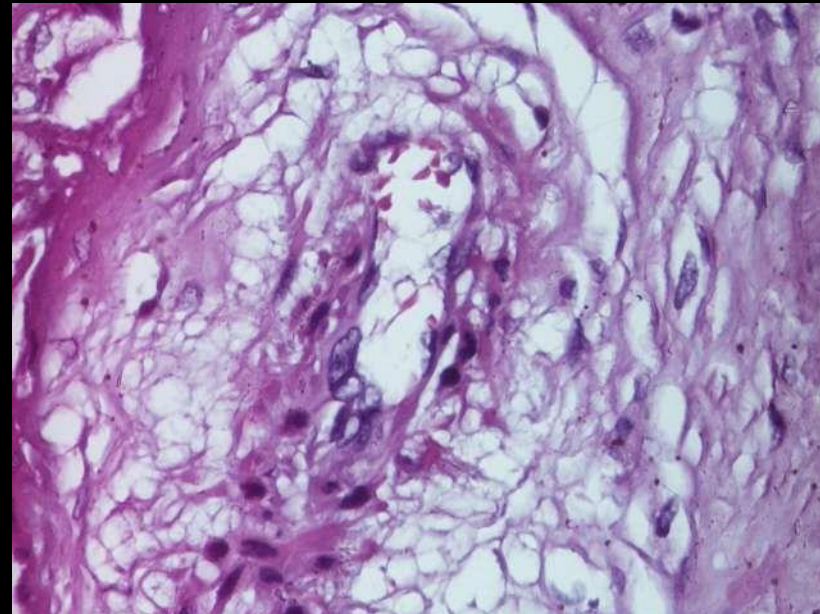
H&E,100x



H&E,200x



H&E,100
x



H&E,400x

CONCLUSION

- We can affirm that the microscopic aspects captured in this study do not present pathognomonic elements.

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