



MYXOID ENDOMETRIOSIS IN A PREGNANT WOMAN'S POST-CAESAREAN SCAR MIMICKING MALIGNANCY

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BACKGROUND

Abdominal wall endometriosis defined as ectopic endometrial tissue localized between the parietal peritoneum and the skin, most often occurring in or near surgical scars. Cesarean scar endometriosis, the predominant subtype, occurs in 0.03–3.5% of post-caesarean patients. Many diagnostic problems can arise due to abnormalities of either glandular or stromal components. Therefore, the histopathological diagnosis of endometriosis can be challenging for pathologists. Myxoid endometriosis is a rare entity that can easily be confused with malignancies.

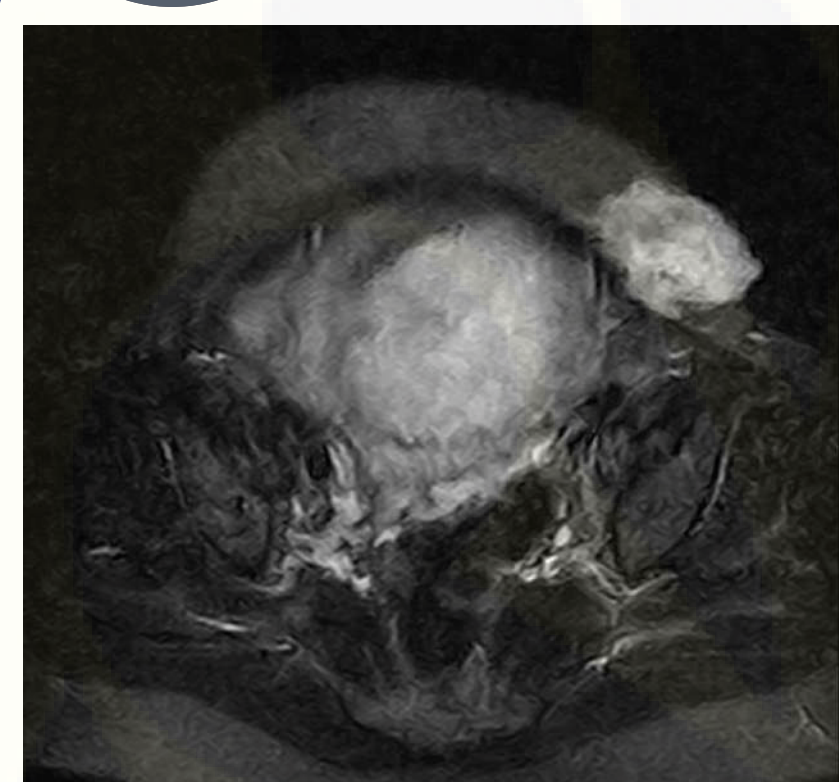
CASE DESCRIPTION

A 32-year-old woman, 33-34 weeks gestation, presented with an enlarged mass in the left suprapubic post-caesarean scar since 7 years. Pelvic MRI showed a solid lesion in cutaneous subcutaneous of the left suprapubic region, sized 5.8 x 3.9 x 5.1 cm, attached to the abdominal wall, without intrabdominal extension. Surgical excision was performed. Macroscopic examination shows a grayish-white solid mass with predominantly myxoid areas, protruding from the skin with ulcers. Microscopic examination showed endometrial glands with myxoid stroma of decidual cells, pseudolipoblast cells, and pseudosignet ring cells. Immunohistochemistry examination showed positive CK in epithelial cells, positive Vimentin in stromal cells, and positive ER and PR in both epithelial and stromal cells. This case was concluded as myxoid endometriosis.

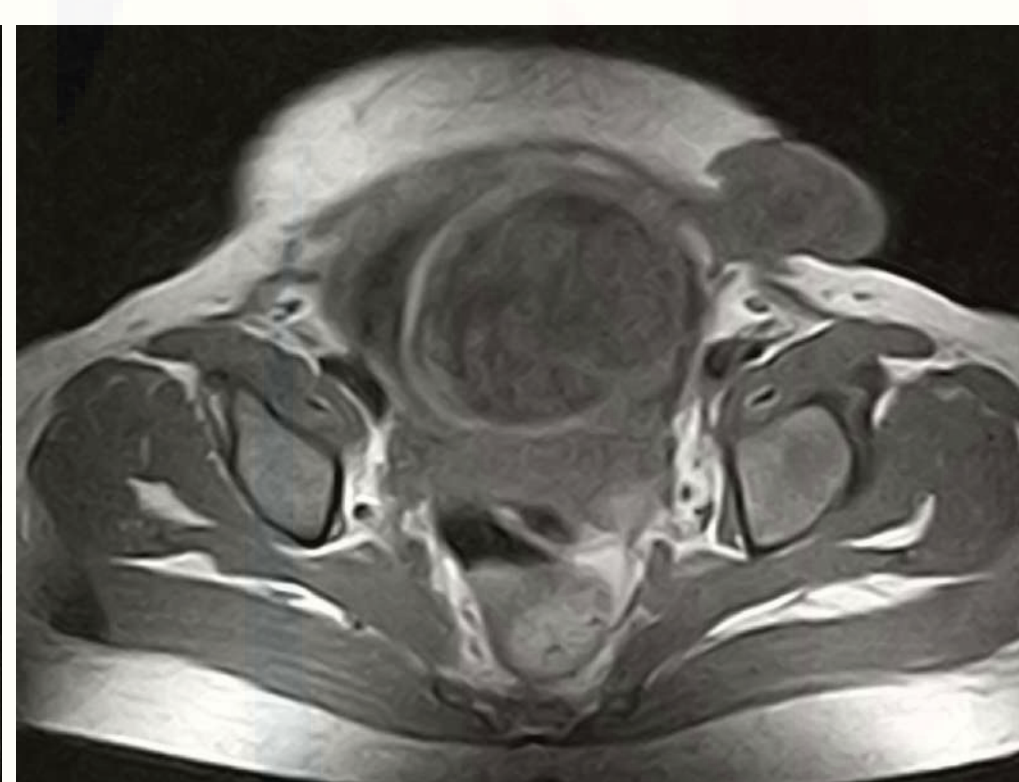
CLINICAL PRESENTATION



PELVIC MRI



T1 W1



T2 Fat-Saturated

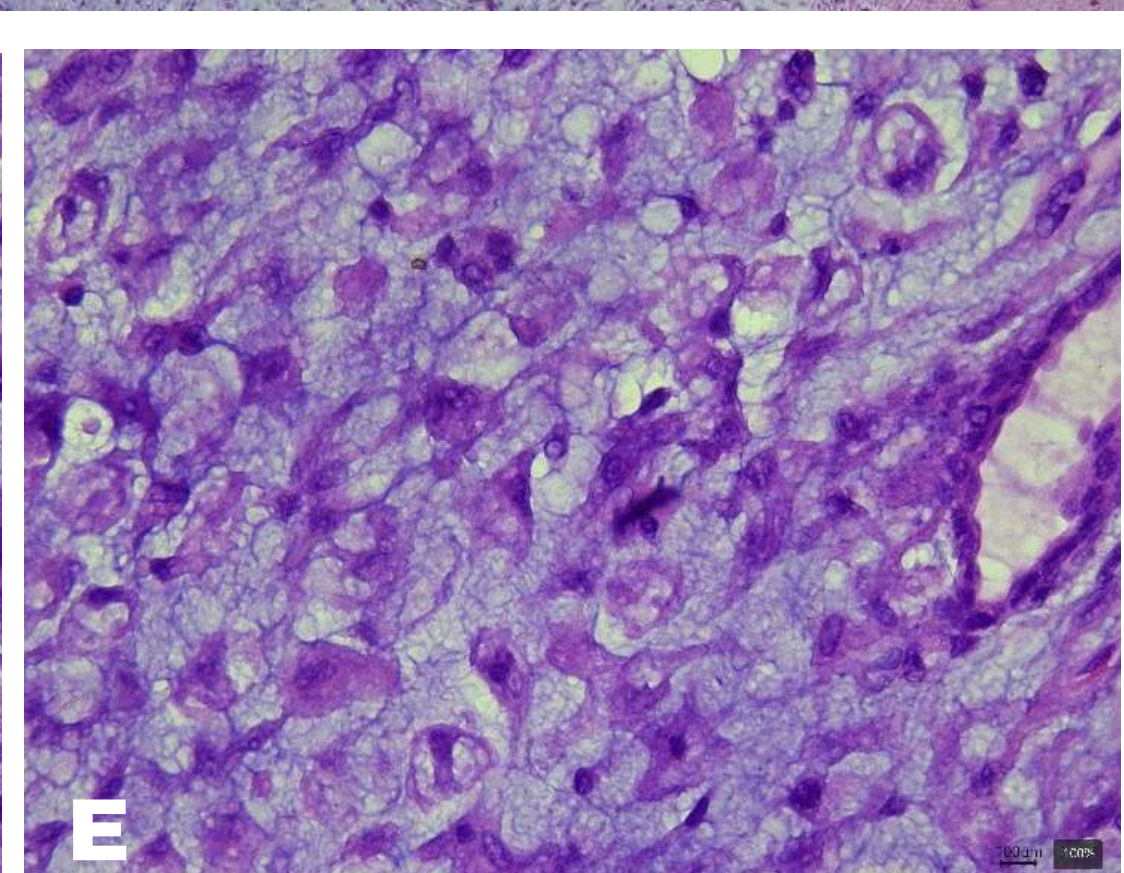
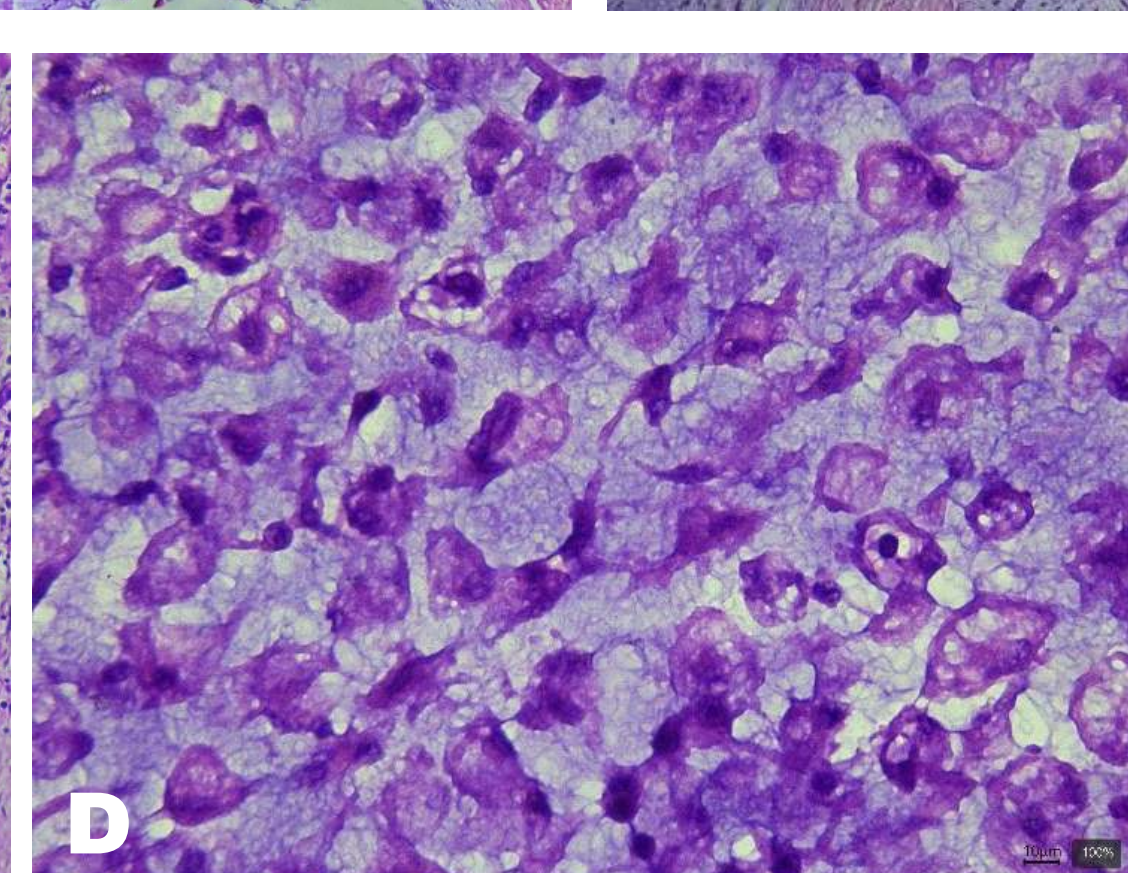
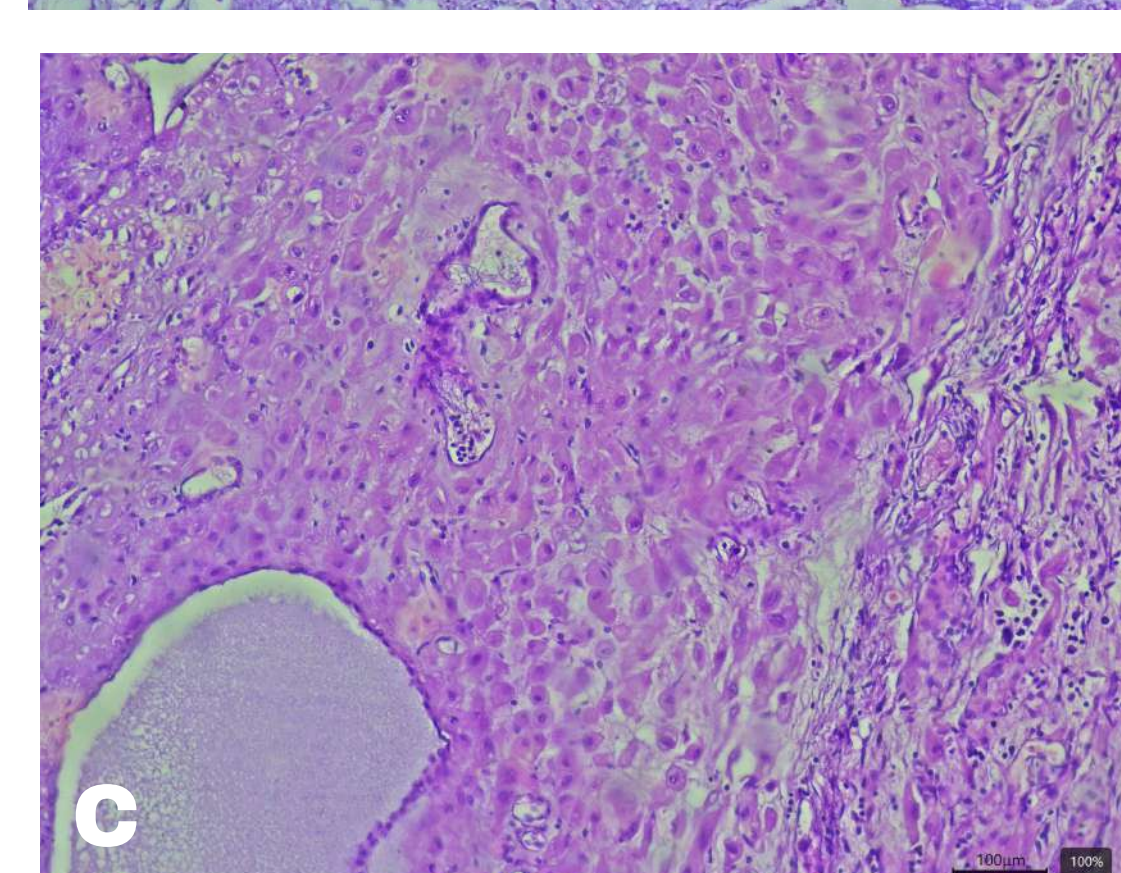
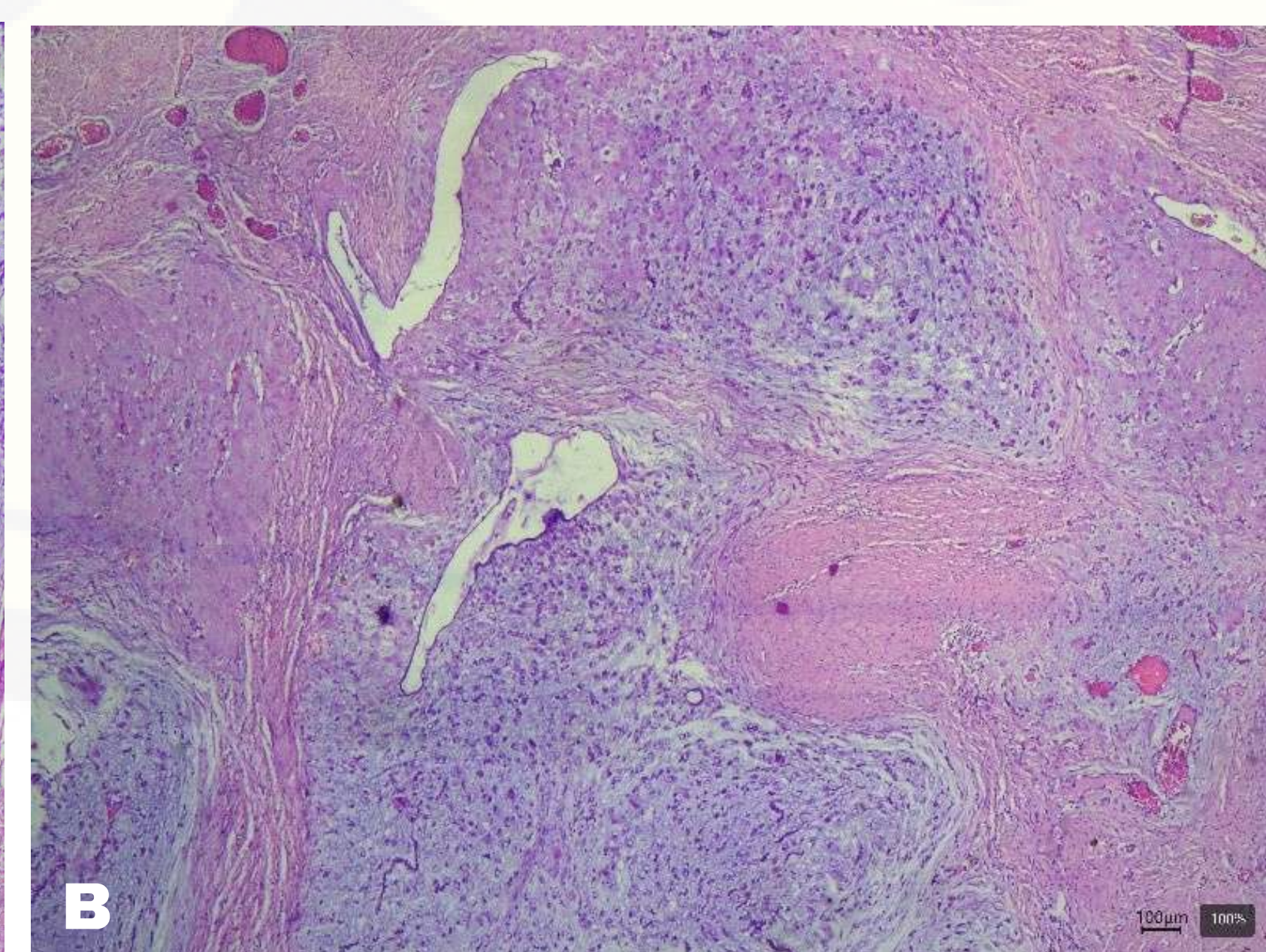
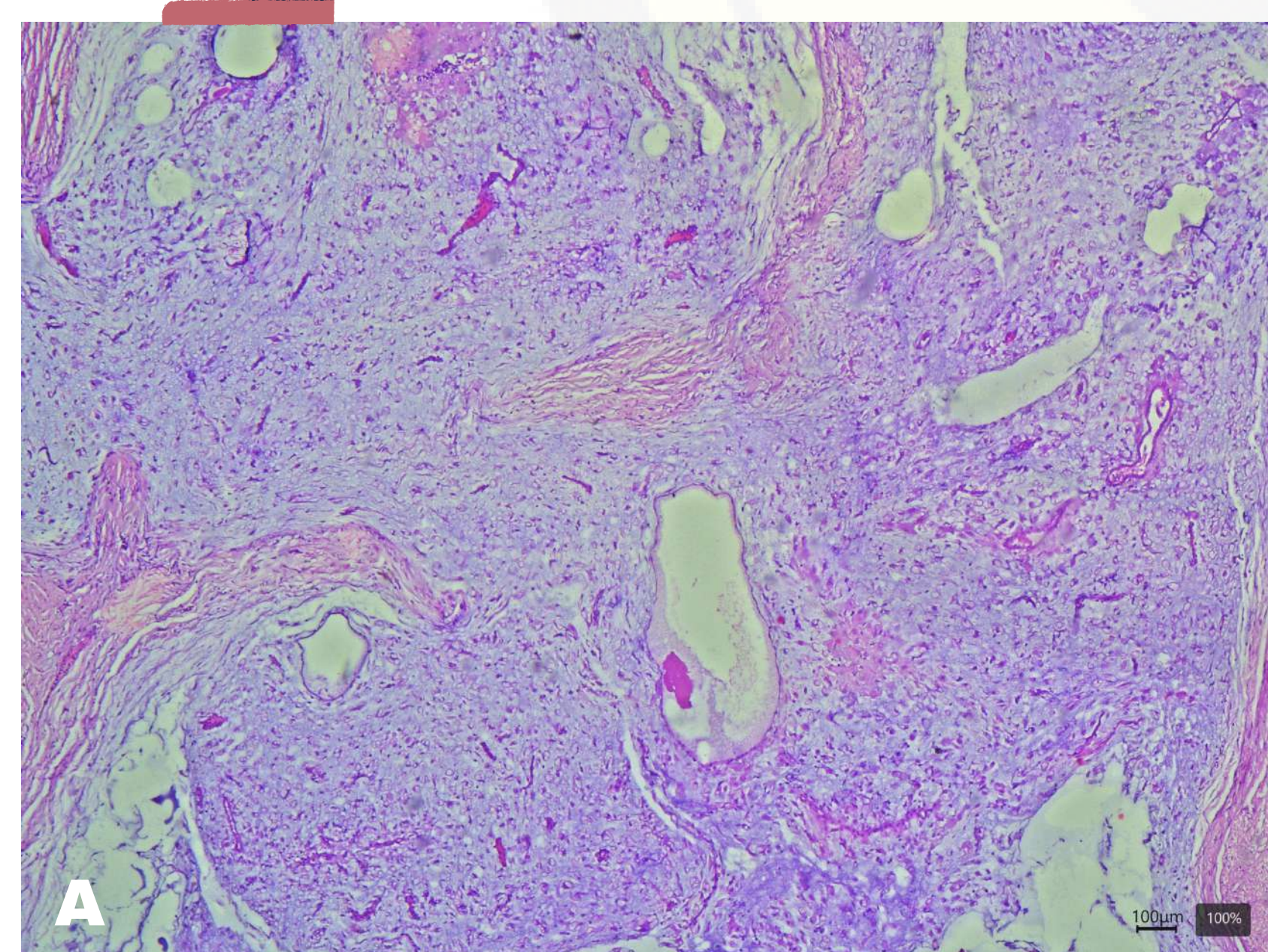
MACROSCOPIC



DISCUSSION & CONCLUSION

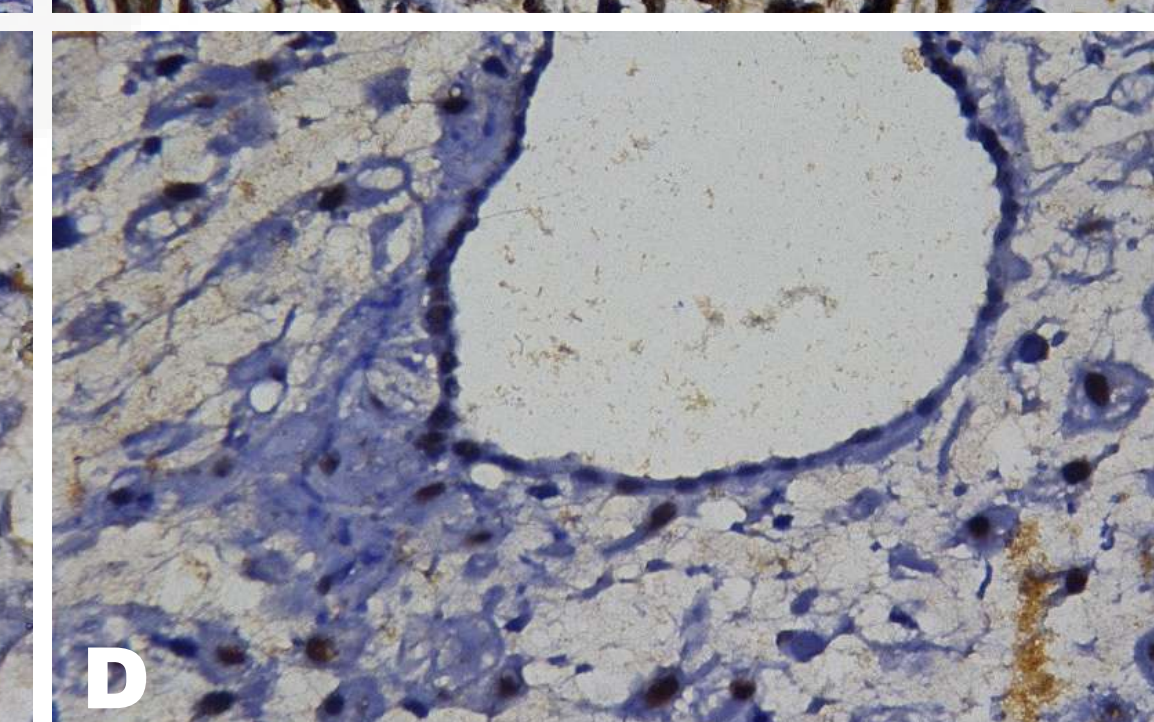
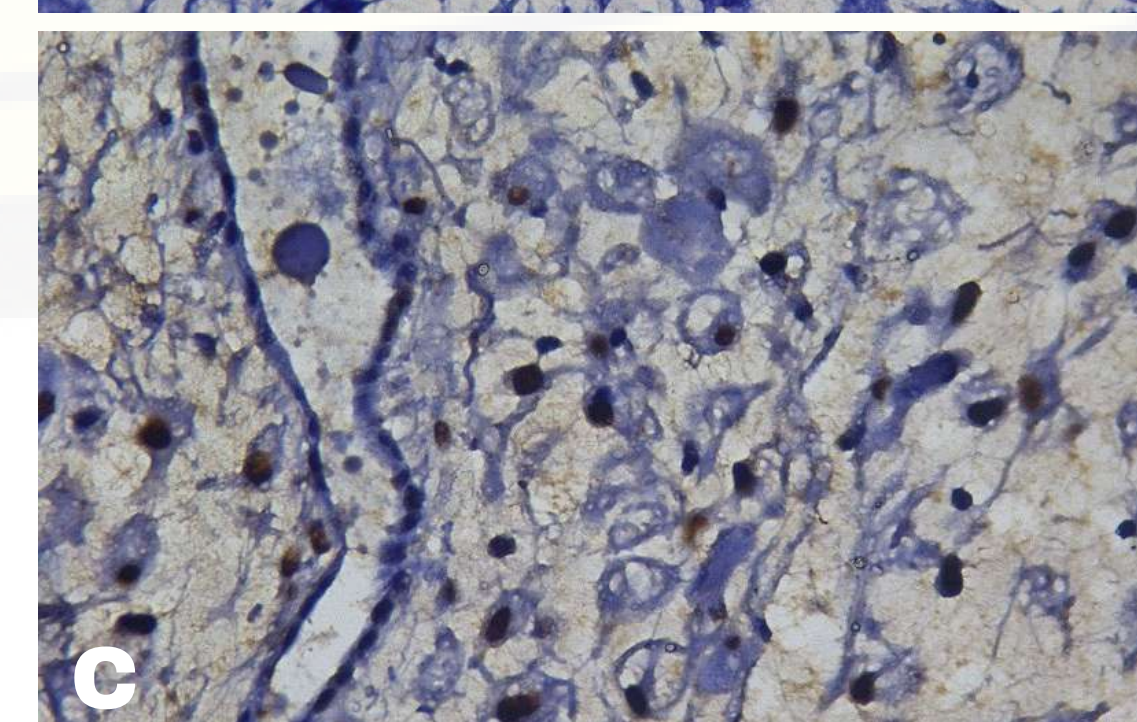
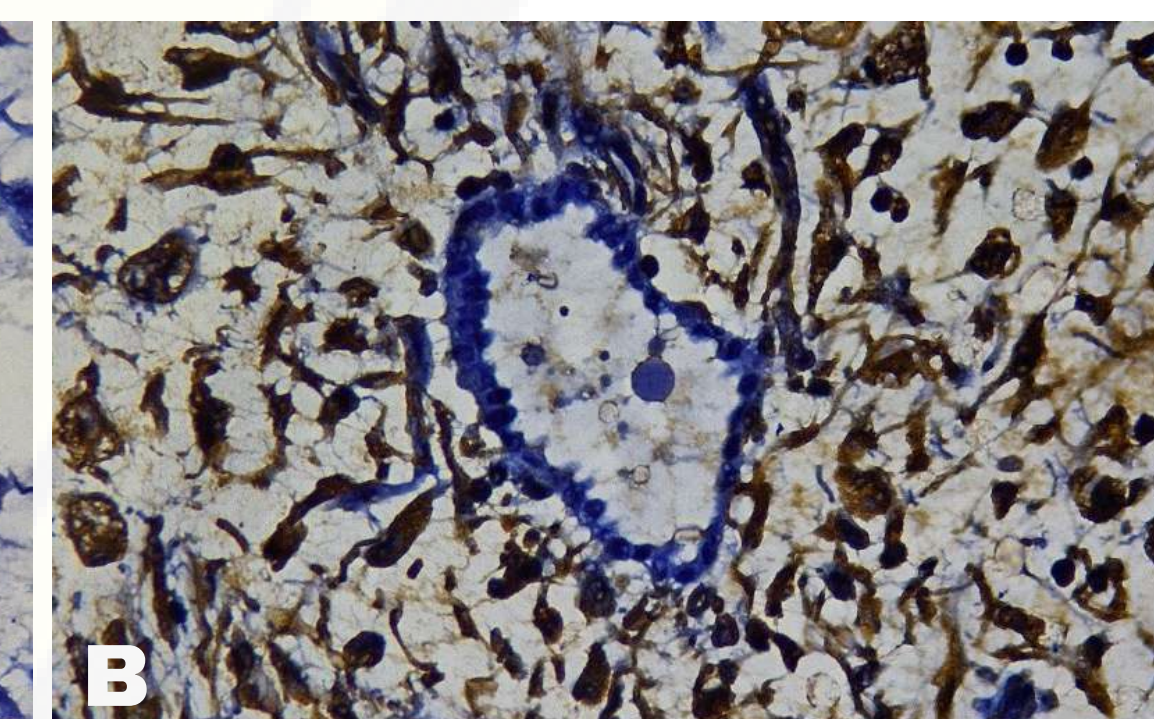
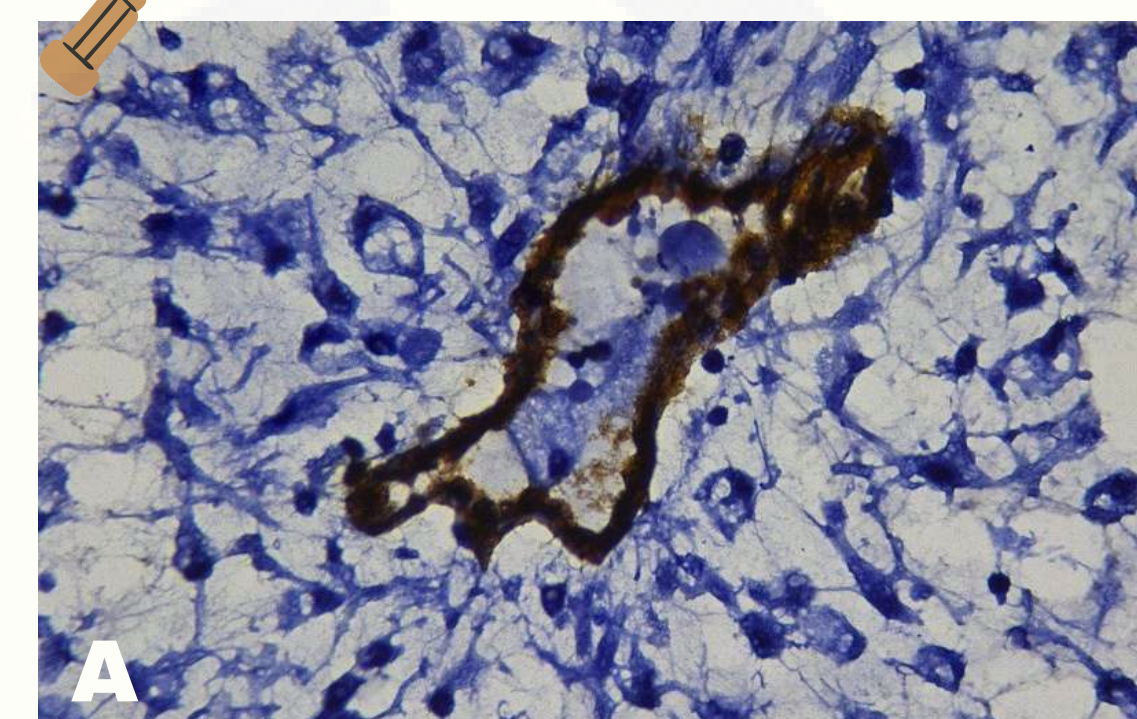
Endometriosis is sensitive to hormonal fluctuations and in this case, is due to decidualization, which can be extensive during pregnancy. The histopathological presentation of myxoid endometriosis varies. Stromal cells can be epithelioid cells, pseudolipoblast cells, pseudosignet rings cells, or spindle cells with myxoid stroma background. Therefore, this histopathological presentation raises several differential diagnoses, particularly malignancy. In this case, clinicopathological correlation is essential and immunohistochemistry can help confirm the diagnosis.

MICROSCOPIC



(A, B) 40x; (C) Decidual cells (100x); (D) Pseudolipoblast Cells (400x); (E) Pseudosignet Ring Cells (400x)

IMMUNOHISTOCHEMISTRY



(A) CK (400x); (B) Vimentin (400x); (C) ER (400x); (D) PR (400x)

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1. D'Agostino C, Surico D, Monga G, Palicelli A. Pregnancy-related decidualization of subcutaneous endometriosis occurring in a post-caesarean section scar: Case study and review of the literature. *Pathol Res Pract*. 2019;215(4):828–31.
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Pangkat/Gol. Ruang : Pembina Tk.I / IV/b

Jabatan : Dekan / Lektor Kepala

Unit Kerja : Fakultas Kedokteran Universitas Jember

untuk menghadiri kegiatan Pertemuan Ilmiah Tahunan Perhimpunan Dokter Spesialis Patologi Anatomi Indonesia (PIT PDS PA) 2025 dengan tema “Patologi Anatomi dan Teknologi: Membangun Strategi Baru dalam Diagnosis” yang dilaksanakan pada tanggal 6-7 September 2025 di Hotel Lombok Raya Jl. Panca Usaha No.11, Cilinaya, Kec. Cakranegara, Kota Mataram, Nusa Tenggara Barat.

Demikian surat tugas ini diberikan untuk dapat dilaksanakan dengan sebaik-baiknya dan penuh rasa tanggung jawab.

Jember, 4 September 2025

a.n Dekan

Wakil Dekan Bidang Keuangan dan Umum,



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NIP 197602122005012001





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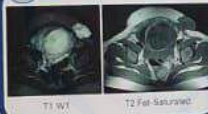
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CLINICAL PRESENTATION



PELVIC MRI



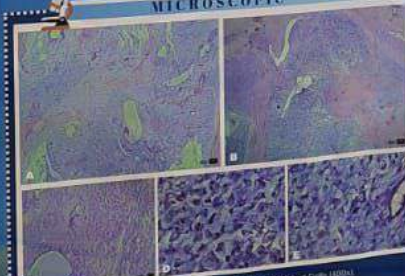
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DISCUSSION & CONCLUSION

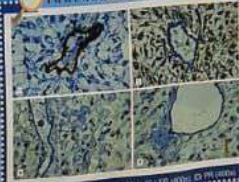
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IMMUNOHISTOCHEMISTRY



(A) CK (brown); (B) Vimentin (brown); (C) ER (brown); (D) PR (brown)

REFERENCES

- Agarwal S, Kumar S, Singh S, Prasad A. Pregnancy-related presentation of endometriosis: a case report. *Indian J Pathol Microbiol*. 2018;61(1):101-103.
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Oey Radianto Chandra Wijaya

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MIMICKING MALIGNANCY

SEBAGAI PESERTA

Lomba Poster Case Report dalam rangkaian kegiatan Pertemuan Ilmiah Tahunan Perhimpunan Dokter Spesialis Patologi Anatomi Indonesia (PIT PDSPA) 2025, yang diselenggarakan di Kota Mataram, Nusa Tenggara Barat, pada tanggal 5-7 September 2025.

**Dr. dr. Diah Rini Handjari, Sp.P.A.,
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