

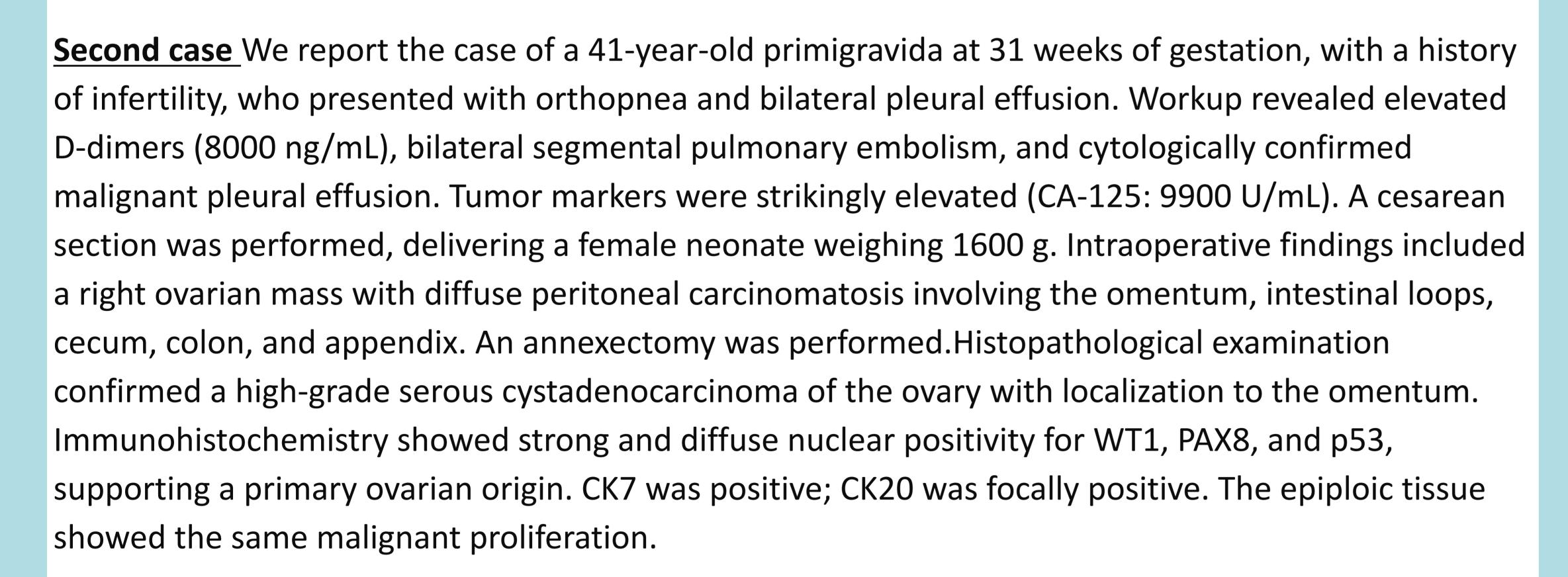
Oncologic Storms in the Womb: Two Rare Ovarian Malignancies Revealed During Pregnancy

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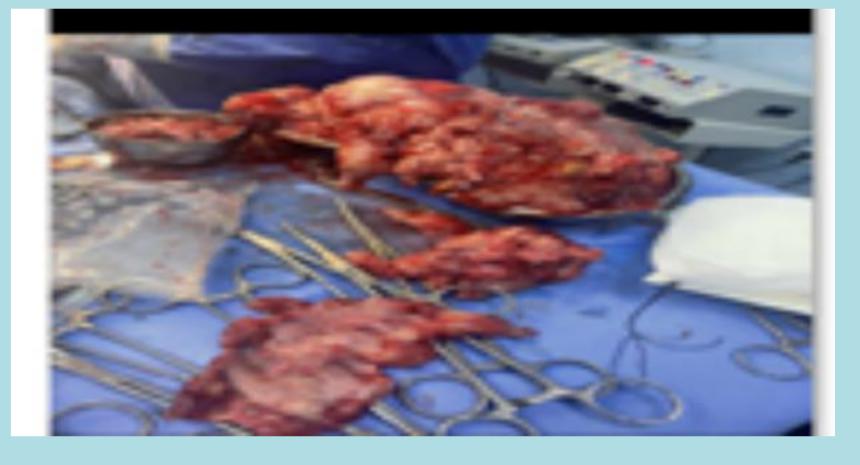
<u>Background</u>: Ovarian malignancies during pregnancy are exceedingly rare and diagnostically challenging, often masquerading as common gestational symptoms. When revealed by respiratory distress or incidentally during obstetric assessment, they demand urgent, multidisciplinary intervention.; Multidisciplinary Communication

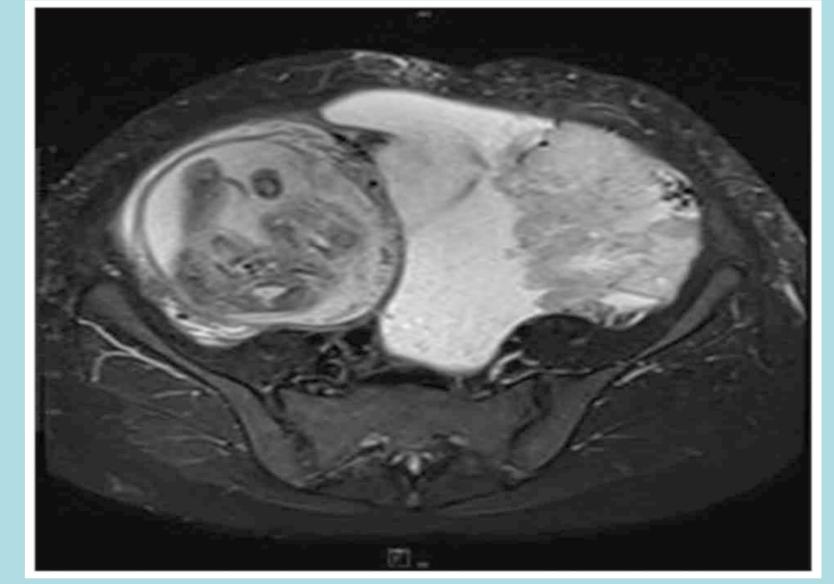
keywordsOvarian Neoplasms; Adnexa;; Cesarean Sectionl Diseases; Teratoma, Mature; Sarcoma; Cystadenocarcinoma, Serous; Pleural Effusion, Malignant; Pregnancy, High-Risk

<u>First case</u>; We present the remarkable case of a 27-year-old pregnant woman admitted for threatened preterm labor, in whom a massive ovarian mass was discovered incidentally. MRI revealed a large latero-uterine cystic formation suggestive of a dermoid cyst with fat components, classified ORADS 4. Intraoperative findings unveiled a 30 cm multiloculated mass invading the posterior uterine wall and surrounding structures. Cesarean section was followed by right adnexectomy and tumor resection. Intraoperative frozen section (examen extemporané) indicated teratomatous features but could not confirm malignancy. Final histopathology revealed a mature teratoma with somatic malignant transformation into undifferentiated sarcoma, confirmed by immunohistochemistry.









discussion

Both cases highlight rare and complex adnexal pathologies discovered during pregnancy, posing significant diagnostic and therapeutic challenges. The first case involved a massive ovarian mass requiring emergency surgical intervention, while the second revealed a heterogeneous tumor with features suggestive of malignancy. Early imaging and multidisciplinary management were crucial in preventing obstetric and oncologic complications. These cases emphasize the need for vigilance in evaluating adnexal masses in pregnant patients. Surgical timing and technique must balance maternal safety and fetal preservation.

<u>Conclusion:</u> In conclusion, adnexal masses during pregnancy require careful assessment, timely intervention, and a tailored approach to avoid maternal-fetal compromise. Multidisciplinary collaboration is essential for optimal outcomes, especially when malignancy is suspected.

References;Schmeler KM, Mayo-Smith WW, Peipert JF, Weitzen S, Manuel M, Gordinier ME. Adnexal masses in pregnancy: surgery compared with observation. Obstet Gynecol. 2005;105(5):1098–1103.American College of Obstetricians and Gynecologists. ACOG Practice Bulletin No. 174: Evaluation and Management of Adnexal Masses. Obstet Gynecol. 2016;128(5):e210–e226 Prat J. Ovarian carcinomas: five distinct diseases with different origins, genetic alterations, and clinicopathological features. Virchows Arch. 2012;460(3):237–249.