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Placenta percreta induced third trimester uterine rupture in an unscarred uterus: a diagnostic dilemma

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Cases of uterine rupture induced by placenta percreta in an unscarred uterus are rare. This is a case of 30-year-old, gravida 2 para 1 (1001) pregnancy uterine 31 weeks and two days age of gestation with persistent generalized abdominal pain found out to have uterine rupture secondary to placenta percreta. This paper aims to discuss the differential diagnoses for cases of third trimester abdominal pain, the appropriate diagnostic modalities and the best management for such case. Uterine rupture should be considered in the differential diagnosis in all pregnant women who present with acute abdomen even if there are no risk factors. Exploratory laparotomy was done to investigate the cause of the patient's severe abdominal pain on top of intrauterine fetal bradycardia. During the procedure, uterine rupture with massive bleeding was detected; therefore, subtotal abdominal hysterectomy was performed. The patient was discharged without any complications. Pathological analysis of the uterine specimen revealed placenta percreta to be the cause of the rupture.

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