

Spontaneous Hepatic Rupture during Late Pregnancy in a Patient with Non-traumatic Laceration of the Liver: A case report

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Background

Spontaneous hepatic rupture during pregnancy is a rare complication, which usually occurs together with preeclampsia, eclampsia, HELLP syndrome, or liver tumors. However, spontaneous hepatic rupture results from non-traumatic laceration of the liver is extremely rare.

Case presentation

We reported the case of a 29-year-old pregnant woman at 36+2 weeks who was referred to our hospital due to vomiting and epigastric pain. Transabdominal ultrasound revealed massive hemoperitoneum and intrauterine fetal death. An emergency hysterotomy was performed and dead fetus was delivered. Subcapsular hematoma in the right anterior lobe of liver was revealed. A focal laceration (1x1 cm) and bleeding were observed at the S6 segment of the liver and were managed by compression and the placement the hemostatic agents. The patient was discharged 10 days after admission without complications.

Conclusion

Massive hemorrhage caused by the spontaneous hepatic rupture during late pregnancy could result in intrauterine fetal death. Multidisciplinary collaboration and urgent surgical intervention are important cornerstones for improving the perinatal outcomes.

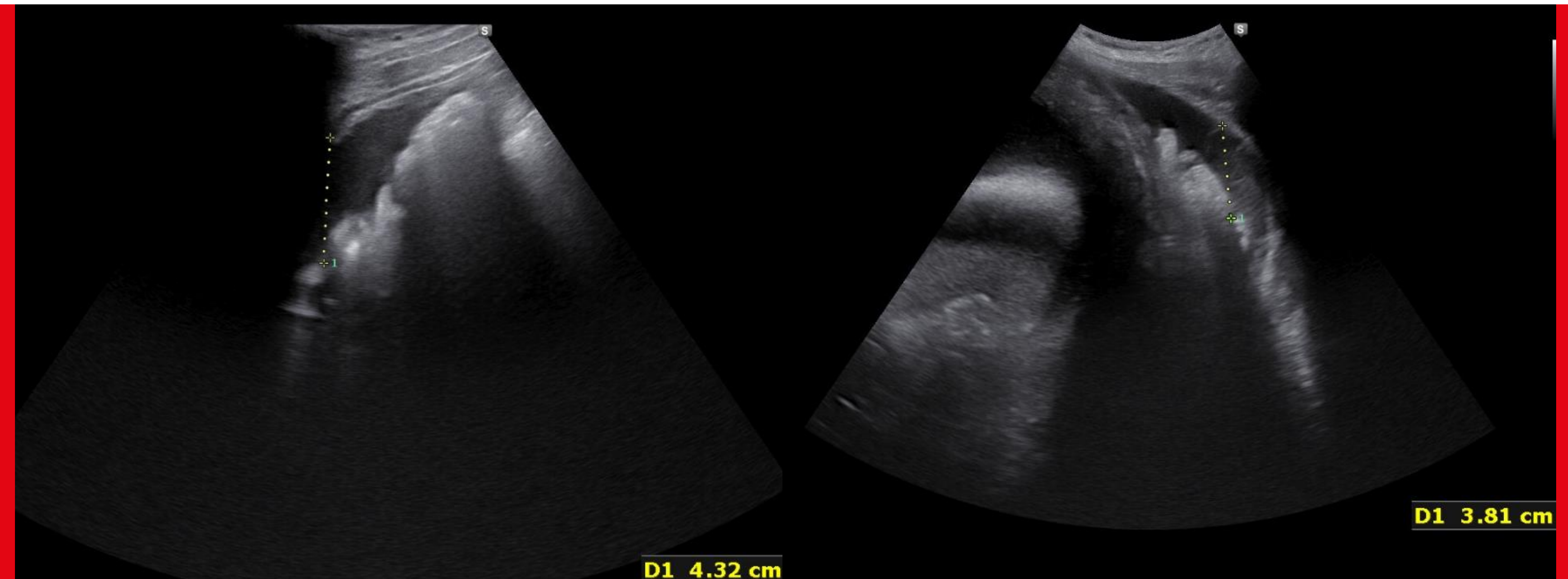


Figure 1. Transabdominal ultrasound image at 36+2 weeks of pregnancy showing massive hemoperitoneum.

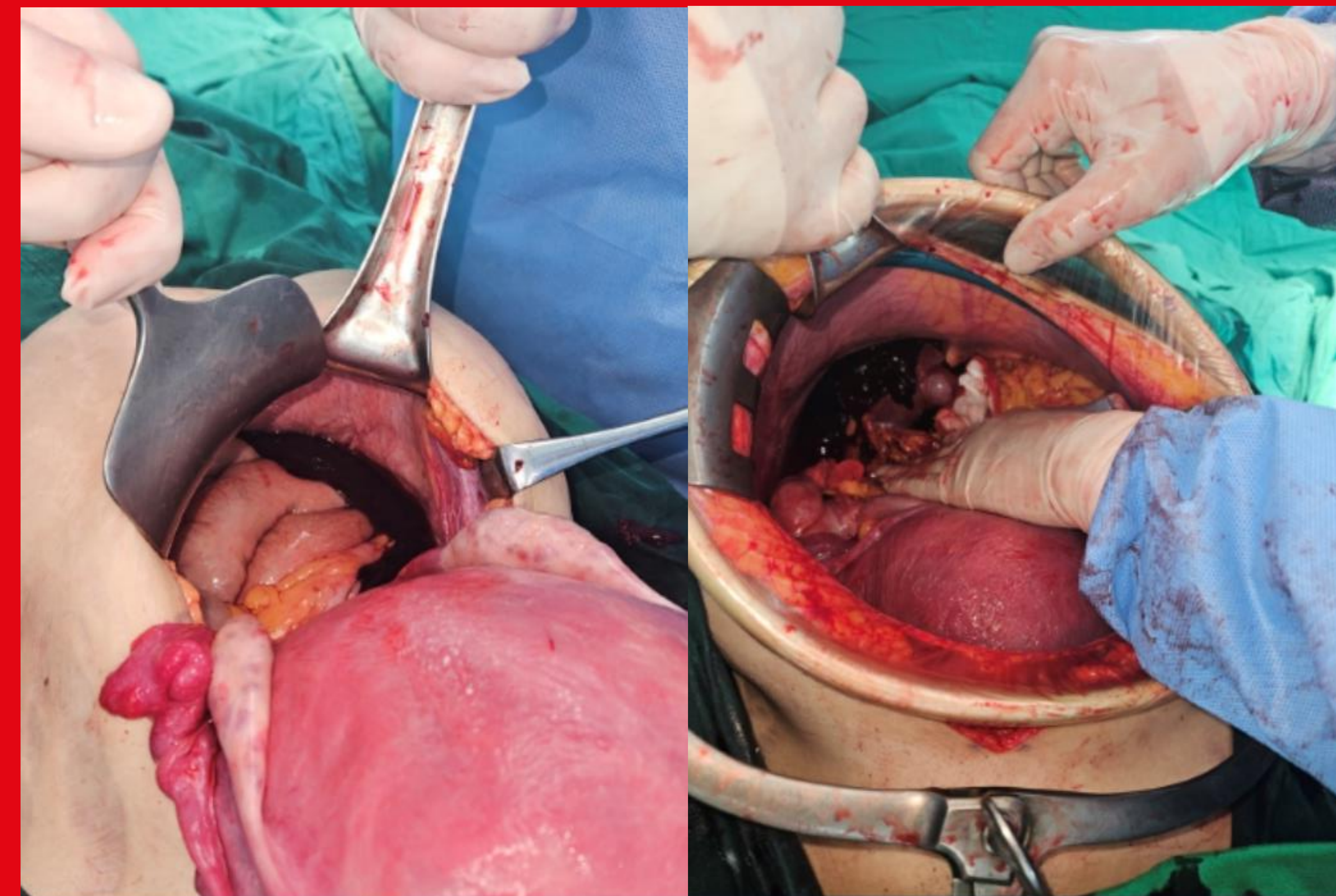


Figure 2. Intraoperative image showing massive hemoperitoneum. Subcapsular hematoma in the right anterior lobe of liver was revealed.