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**Ruptured splenic peliosis in a patient with no comorbidity: A case report**

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**Abstract**

**BACKGROUND**

Splenic peliosis is a disease characterized by widespread blood-filled cystic cavities within the parenchyma. Patients with this disease are usually asymptomatic; therefore, spontaneous or trauma-related rupture of the hemorrhagic cysts can occasionally cause life-threatening hemorrhagic shock.

**CASE SUMMARY**

A 51-year-old male patient with abdominal pain visited our emergency medical center two times with an interval of 2 mo. The patient was discharged from the hospital without treatment at his first visit; however, at the time of second admission, the hemoperitoneum with multiple cystic lesions of the spleen was found incidentally on the abdomen computed tomography scan. Since the patient was stable hemodynamically, a scheduled surgery was performed. The operative findings were consistent with splenic peliosis, and laparoscopic splenectomy was performed to prevent recurrent rupture of the hemorrhagic cysts.

**CONCLUSION**

Splenic peliosis is extremely rare, and we suggest splenectomy is necessarily required as a definite treatment for ruptured splenic peliosis to rescue patients with hemodynamic

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Splenic rupture requires urgent surgical intervention; however, there are no guidelines describing surgical management in incidental peliosis of the spleen. In high-risk patients such as those on anabolic steroids, malignancies, and hematological disorders, screening ultrasound examination at 6–12-month interval might help establish an earlier diagnosis of peliosis in organs such as the liver and the spleen.

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