Aneurysm of the splenic artery — a controversial entity

A case report

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Summary

The case of an asymptomatic, calcified, arteriosclerotic, intact splenic artery aneurysm in a 60-year-old woman is presented. The diagnosis was confirmed by selective celiac arteriography and the aneurysm was successfully resected with preservation of the spleen.


An abdominal aortogram and a celiac arteriogram revealed a splenic artery aneurysm measuring approximately 3 cm in diameter.

At elective laparotomy, a calcified non-ruptured aneurysm of the splenic artery embedded in the tail of the pancreas and situated 5 cm from the hilum of the spleen was confirmed. The liver, spleen, kidneys, stomach, pancreas and gut were normal. Aneurysmectomy and ligation of the splenic artery with preservation of the spleen was performed. The aneurysm measured 2.5 x 2 cm and there were no signs of thrombosis. The postoperative course was uneventful and the patient was discharged on the 10th postoperative day.

Histologically, the aneurysm showed an entirely calcified wall.

Discussion

The diagnosis of uncomplicated splenic artery aneurysms is made by X-ray examination at surgery or on autopsy.4,5 Splenic artery aneurysms should be considered in patients presenting with nonspecific upper abdominal pain with an annular calcification in the left upper quadrant of the abdomen on the radiograph, as in the patient described.6,7 The diagnosis is confirmed by selective celiac arteriography.11

Surgery is indicated in all patients with symptomatic aneurysms of the splenic artery and when rupture has occurred.9 Although it is agreed that surgery is required in symptomatic patients, controversy persists as to the management of the asymptomatic patient. Some workers maintain that diagnosis of splenic artery aneurysm in itself is not an indication for surgery.6,12 Indications for resection include aneurysms in women of childbearing age, symptomatic aneurysms, asymptomatic non-calcified aneurysms in patients less than 60 years of age with hypertension, aneurysms greater than 1.5 cm in diameter, radiological signs of enlargement and ruptured aneurysms.8,10 Others suggest expectant treatment for aneurysms less than 3 cm in diameter in asymptomatic patients older than 60 years.6

The generally accepted surgical treatment of splenic artery aneurysms includes proximal and distal ligation of the splenic artery, aneurysmectomy with or without splenectomy depending on the site of the aneurysm.

In high-risk patients, non-surgical transcatheter obliteration of the splenic artery aneurysm has recently been reported as a useful alternative to surgical treatment.4

It is important to realize that aneurysmal calcification, normotension, and age over 60 years do not preclude rupture of splenic artery aneurysms. Indeed, the hazards and mortality associated with rupture of splenic artery aneurysms are formidable.13 If the elective surgical treatment of bland splenic artery aneurysms is to be justified, the operative mortality should not be greater than 1%.14

REFERENCES

Problems in the diagnosis of lymphogranuloma venereum
A review of 6 cases

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Summary

Six cases of lymphogranuloma venereum are described in White South Africans. All initially presented diagnostic problems. This sexually transmitted disease is uncommon in South Africa, and 5 of the 6 patients presented with inguinal lymphadenopathy without a primary lesion. The value of serological tests in the diagnosis of this disease is emphasized.

Lymphogranuloma venereum (LGV) is a sexually transmitted disease caused by Chlamydia trachomatis serotypes L1, L2 and L3. These serotypes differ biologically from other members of the species, being more invasive than those serotypes responsible for trachoma and other oculogenital infections. LGV has a world-wide distribution but is most prevalent in tropical and subtropical countries. In recent years the incidence of the disease appears to have declined considerably, a finding which has been attributed to improved standards of living.

The disease is classically described as an infection of the regional lymphatics draining the genitalia, and the most common presentation is therefore significant inguinal lymphadenopathy, frequently without an obvious primary lesion. The infection is more commonly diagnosed in men than in women, who probably act as asymptomatic carriers. The only previous report of LGV in South Africa is that of Ulman, who described a series of 16 cases in Black women seen at Baragwanath Hospital, Johannesburg. In his series all cases were diagnosed on clinical grounds with additional evidence provided by positive Frei skin tests. All the patients evaluated were admitted to hospital with erroneous diagnoses, and he felt that the correct diagnosis was ultimately made only because he was actively seeking cases of the disease.

In this report we describe 6 cases of LGV in White men. In each case there were initial diagnostic problems. The diagnosis of LGV was only subsequently made on clinical grounds and supported by serological evidence of infection. In 2 cases the results of histological investigations further supported the diagnosis.

Case reports

Case 1. A young man presented with a 1-month history of progressive enlargement of the inguinal lymph nodes on the right side. There was no preceding urethral discharge or penile ulceration. A diagnosis of Hodgkin's disease was considered, but before referring the patient for a biopsy a number of other laboratory tests were performed. These included a chlamydial complement fixation test, which was positive at a titre of 1:64, and rapid plasma reagin (RPR) and fluorescent treponemal antibody-absorption (FTA-Ab) tests, which were negative. The patient was treated with tetracycline 250 mg 4 times daily for 3 weeks with complete resolution of the lymphadenopathy. His history suggests that the infection had probably been acquired in Swaziland.

Case 2. The patient presented with bilateral inguinal lymphadenopathy with no previous history of genital ulceration or urethral discharge. No definite diagnosis was made, and he was given short courses of amoxycillin and erythromycin without clinical response. A few days later the left inguinal nodes suppurated and drained. A biopsy was taken which showed nonspecific