Occasional mitoses were seen in the stroma. Intestinal mucosa of the ileum and caecum showed a moderate chronic inflammatory cell infiltration. Ascending colon and appendix were microscopically normal. All the eleven lymph nodes showed features of reactive hyperplasia.

Discussion

Bowel endometriosis is very rare. It is usually an incidental finding in the gut, but some examples present themselves as an obstructing tumefactive mass that closely simulates an intestinal neoplasm [2]. Although some women with bowel endometriosis may be asymptomatic, the majority of them develop a variety of gastrointestinal complaints. Except for rectal nodules bowel endometriosis cannot be diagnosed by physical examination. Therefore, imaging techniques such as double contrast barium enema, transvaginal ultrasonography; rectal endoscopic ultrasonography, magnetic resonance imaging (MRI) and multi slice computed tomography enterolysis should be used [3].

Medical management of bowel endometriosis is currently speculative. Several studies demonstrated an improvement in quality of life after surgical excision of the lesion.

Bowel endometriotic nodules can be removed by various techniques; mucosal skinning, nodulectomy, full thickness disc-resection and segmental resection of the bowel [2].

References


Low rectal carcinoma with liver metastasis

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Introduction

35-45% of patients with colorectal carcinoma develop hepatic metastases and if left untreated, survival beyond five years is extremely rare. In appropriately selected patients liver resection is associated with a 30-40% 5-year survival and a 20% longterm disease free survival.

Case history

A sixty year-old female, presented with bleeding per rectum and alteration of bowel habits of nine
month duration. There were no systemic features of malignancy or metastatic disease. She had no family history of colorectal carcinomas.

On abdominal examination there were no masses, hepatosplenomegaly or ascites. Digital rectal examination revealed a circumferential rectal tumour involving anterior half of the rectum 4 cm from the anal verge.

Rectal biopsy revealed a well differentiated adenocarcinoma. A 3.7×5 cm size secondary deposit was seen in the right lobe of the liver on ultrasonography. Computerised tomography revealed the lesion to involve segments 5 and 8 of the liver. There was no para-aortic lymphadenopathy.

She was treated with neoadjuvant chemoradiation. The patient subsequently underwent abdominoperineal resection of rectum and resection of the hepatic metastasis. Right hepatic artery was ligated and divided and right branch of the portal vein was clamped before the procedure. Cholecystectomy and isolated segmentectomy of the liver was performed. Ultrasonic dissector and surgical clips were used to achieve haemostasis. Right hepatic vein and IVC were not encircled or clamped during procedure. Patient had an uneventful recovery and was discharged from hospital on the 10th post operative day.

Discussion

Liver is the commonest site of secondary spread of colorectal cancer. Synchronous hepatic metastases are more aggressive than metachronous lesions. Patients with solitary metastases survive longer than multiple lesions. Patients with unilateral disease live longer than those with bilateral disease.

Diagnosis and staging of the liver metastases is a combination of history, examination and investigations including baseline tests, liver function tests, CEA and imaging techniques including ultrasound scan, CT, and MRI of abdomen. Extrahepatic disease is assessed by chest X-ray and CT thorax.

Liver resection is a safe surgery through understanding of anatomy and physiology combined with modern surgical techniques using ultrasonic dissector and practice of maintaining low venous pressure during the operation.

Hepatic resection is indicated in patients with solitary metastases and in those with metastases confined to localised areas of the liver and if the disease can be macroscopically eradicated with a 5mm margin leaving 3 normal segments. Because of the risk of peritoneal seeding, liver biopsy is best avoided in patients with resectable lesions.

If the liver is normal, up to 70% of the liver can be resected but one must decide on between resecting the entire tumour with an adequate margin, and leaving enough liver for the patient to survive.

The two important prognostic factors following liver resection are; (i) the resection margin (should be at least 5mm) and (ii) the stage of the original primary tumour. Liver transplantation is not recommended for patients with liver metastases, since immunosuppression can cause progression of the disease.

Chemotherapy is recommended for unresectable tumours and radiofrequency ablation improves survival over chemotherapy alone in patients with unresectable hepatic metastases.

References