



Leiomyosarcoma of Inferior Vena Cava

KEYWORDS

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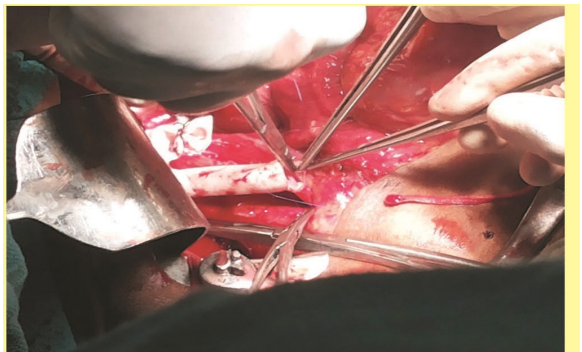
ABSTRACT We report a case of leiomyosarcoma of IVC .the patient was a 65 year old female who was admitted with complaints of abdominal pain and vomiting. Pre op diagnosis of paracaval lymph node was done. Vascular surgery help was sought intra operatively after it was evident that it was a tumor of IVC. She underwent a successful resection of the tumor with reconstruction of IVC with PTFE graft.

Introduction

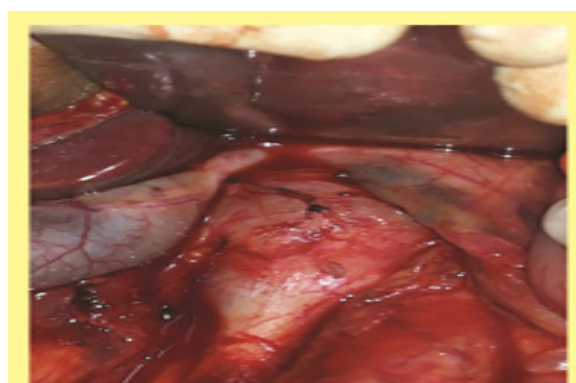
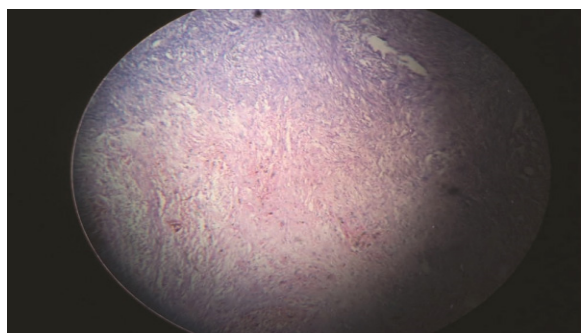
Malignant tumors as such are a rare entity with respect to inferior vena cava. Leiomyosarcoma being the most common among the malignant tumors of the IVC. Surgical resection with negative margins being the only treatment for cure available. There has been reported no role for adjuvant treatment.

CASE REPORT.

65 YEAR old female presented with complaints of abdominal pain and vomiting. Ultrasound abdomen reported a paracaval lymph node of size 3x2 cm. CT abdomen also concluded with the diagnosis of paracaval lymph node. Patient was posted for diagnostic laparoscopy. Diagnostic laparoscopy identified the mass arising from IVC and was then converted to laparotomy. Tumor was present in infra renal IVC, and the IVC proximal to tumor was found dilated and distal to tumor was thick walled and thin in caliber on comparison with the proximal part. There were no adhesions between IVC and surrounding tissues.



HPE reported Leiomyosarcoma of IVC.



The tumor was excised in total with negative margins. Post resection there was a mismatch in both ends of the IVC as described above.

To manage this mismatch a bifurcated a 20x10x10mm PTFE graft was used. The stem of the graft was anastomosed to the proximal end. One limb of the graft was then anastomosed to the distal end of IVC. The other limb was suture ligated with 2.0 silk.

Patient had a uneventful post operative period.

Conclusion:

Though tumors of the inferior vena cava are rare Leiomyosarcoma are the commonest tumors of the IVC. Surgery with negative margins is the only treatment available. This article is presented as this being a rare case.