

# Epithelioid Gastrointestinal Stromal Tumour in Ascitic fluid - A Case Report

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## BACKGROUND

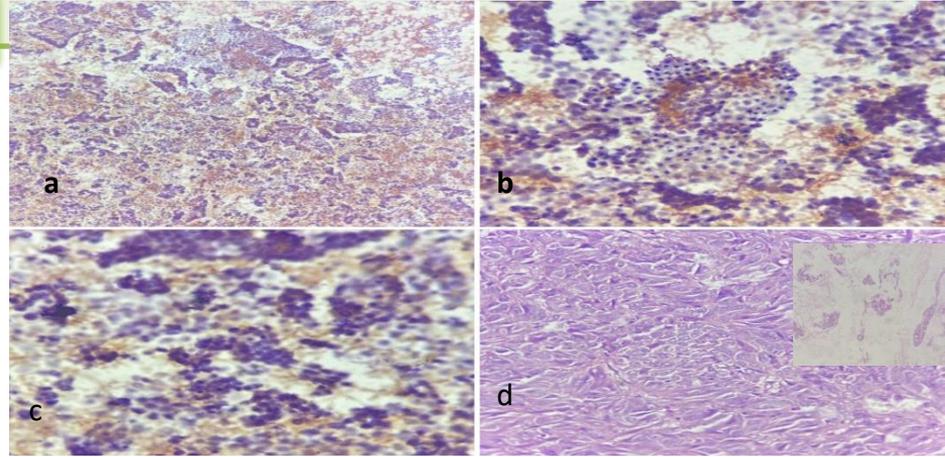
- GISTs account for about 0.1-3% of all gastrointestinal tumours with frequent extraabdominal spread.
- About 70% are spindle cell type, 20% are epithelioid and the rest 10% have mixed phenotype (biphasic GIST).
- Most common age group affected are 50 to 60 year with no gender predilection.

## CASE HISTORY

- A 65 years old male presented with complaints of chronic abdominal pain since 3 years with progressive weight loss. Radiology was suspicious of neoplastic lesion in mesentery with mild ascitis .
- 5 ml of reddish colored ascitic fluid was tapped, smears prepared from which were cellular and showed atypical round to oval, hyperchromatic cells arranged in pseudopapillary pattern and sheets with moderate cytoplasm. Background comprised of mesothelial cells admixed with inflammatory cells.
- A jejunal tumor mass resection was done. Histopathology showed tumor mass composed of moderately pleomorphic epithelioid tumor cells arising from serosa suggesting Epithelioid GIST. It was infiltrating into the adjacent mesentery in sheets and nodules.

## CONCLUSION

Epithelioid GISTs show more aggressive behavior than spindle cell type with frequent extraintestinal spread, and hence may be easily detected by ascitic fluid cytological examination.



**(a)** Cellular smear (Pap.10x)

**(b)** Smear showing tumor cells arranged in clusters as well as scattered singly and sheets of mesothelial cells in center (Pap.40x)

**(c)** Smear showing tumor cells arranged in pseudopapillary pattern and sheets (Pap.40x)

**(d)** HPE section showing sheets of epithelioid cells and inset showing mesenteric infiltration (H and E.40x)

## REFERENCES

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