

UNSEEN THREAT – UNSUSPECTED PSEUDOMYXOMA PERITONEI IN A CASE OF OVARIAN NEOPLASM

INTRODUCTION

Pseudomyxoma peritonei is a rare complication of mucinous neoplasms of ovary, characterized by mucinous ascites and jelly like deposits spread across peritoneum.

OBJECTIVES

This is a case report of a benign ovarian neoplasm associated with pseudomyxoma peritonei. The objectives are to review the unusual presentation, diagnostic and management challenges.

CASE REPORT

A 55 years old P2L2 post menopausal woman came with complaints of abdominal distension since the past 3 months and a vague lower abdomen mass ~ 15x12 cm on examination. Imaging suggested an ovarian neoplasm with no signs of ascites. On surgical exploration, Mucinous fluid with jelly like deposits present all over the peritoneal cavity with a Right ovarian mass (15x18 cm) were seen. TAH-BSO with infracolic omentectomy, bilateral pelvic lymph node sampling and appendectomy was done. Patient was advised HIPEC therapy to prevent recurrence, but patient denied due to financial constraints. After an uneventful post operative period, patient was discharged on POD- 8.

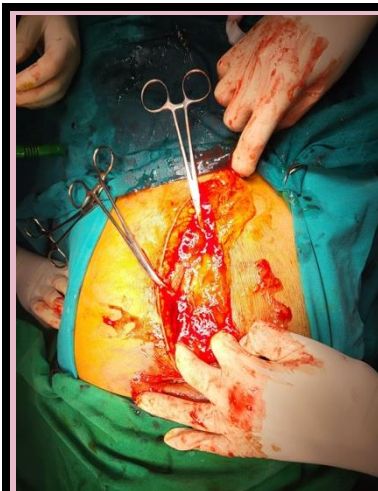


Fig1: Mucinous ascites

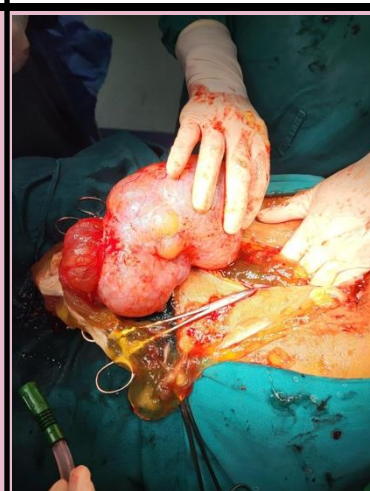


Fig2:Ovarian mass

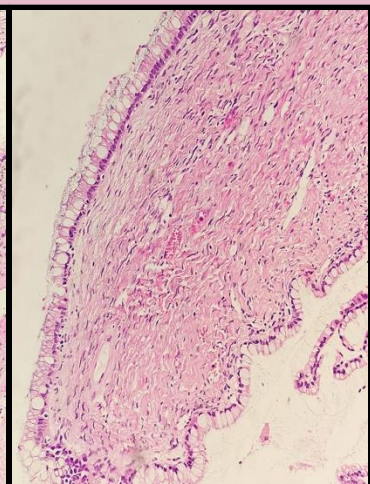
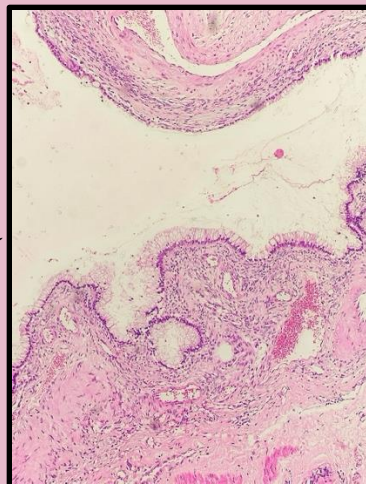


Fig 3 and 4 : Ovarian cyst wall with single layer of mucinous epithelium

Histopathology : Right ovarian Mucinous Cystadenoma with no omental or nodal involvement.
Appendix : Enterobius vermicularis infestation

DISCUSSION

The primary causes of PMP are rupture, leakage or metastasis from an intraperitoneal mucinous neoplasm¹ but rarely can occur without rupture or leakage. Even ones stemming from benign lesions should be managed thoroughly to prevent recurrence (mucinous metaplasia)²

CONCLUSION

Incidence of PMP from ovarian neoplasms is relatively rare. Preoperative diagnosis is difficult, thus necessitating astute intraoperative decisions. Prompt surgical interventions with appropriate adjuvant treatment is paramount for optimal outcome.

References

1. Hinson FL, Ambrose NS. Pseudomyxoma peritonei. Journal of British Surgery. 1998 Oct;85(10):1332-9.
2. Malhotra N, Malhotra J, Saxena R, Bora NM. Jeffcoate's principles of gynaecology. JP Medical Ltd; 2018 Aug 16.

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