Case Report

Pseudomyxoma Peritonei - A Rare Abdominal Tumor

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Pseudomyxoma peritonei is a rare abdominal tumor with a reported incidence of approximately 1 per million per year. It is invaciably fatal as the space within the abdomen is eventually replaced by mucinous tumor. We report one cas of Pseudomyxoma perisonei.

Neyword; Pseudomyxoma peritonel, cytoreduction surgery.

Pseudomyxoma peritonei is a rate disease characterized by copious production of mucinous ascites (picture 1&2).In 1884 w th coined the term PMP in relation to mucinous carcinolar of ovary. In 1901, Brankel described PMP in association with a cyst in appendix (picture 3). It has an ircidence of a per nullion per vicar. Median survival is approxim to y six years. Five year survival ranging from 53-75%

Diagnosis to by cross sectional imaging. CT scan, image guided percutaneous biopsies, and tumor markers: CA-125, CEA, and CA19-9°. Control rsy still continues as to the ettology of PMP, particularly in women. PMP usually arises from a tumor of appealdix which is originally a tumor in the sub mucosa of appendix and it presents as Jelly Belly. Sugar baker and colleagues have tried to t the term PMP clarity the uncertainty by deficing Judiome be stricily applied a pathologically and or costically homogenous group of cases characterized or histor gleally that are frequently per lice al mucinous tumoro.

> presented to us (FMH) in istory of pain abdomen and years duration He was to us and diagnose as a P monei. Exploratory aching hospital in Lahore he tumor was extending all al distration and pair was assion to surgical department

Resistance to gis wil. After decided history and ent internal diametery, as plane ... Whole of the intertines were studded with jelly Sailore to vertile dien's, from la sicelecte ny, procedure ris brage and e ve n ft a d right ppi wayngh ma and pelvic I junction was structio mean rs to complete ng malf Patient stated mantice day and vis ent was t

visits. On six month visit CT scan abdomen and pelvis wa done, and it was unremarkable.

Discussion

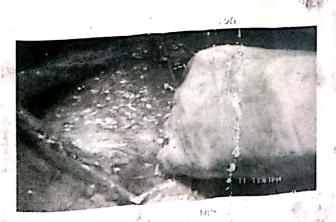
PMP is a disease characterized by copious production of mucinous ascites. It usually arises from a tumor of appendix and presents as Jelly Belly. PMP is regarded as borderline malignant. It doesn't invade or metastasize, but is invariably fatal as the space required within the abdomen is eventually replaced by mucinous tumor. Lymphatic and hematogenous spread may not occur even in the terminal stages of the disease. Tumor spread in the abdomen is by the redistribution phenomenon. Tumor cells in the peritoneal cavity are surrounded by mucous and moves with the normal flow of peritoneal fluid Adenomatous epithelial cells surrounded by mucous accumulates at specific abdominal and pelvic sites. Fluid is absorbed and cells are filtered resulting in bulky accumulations. Other mechanism of tumor redistribution is Gravity. There is visceral sparing of PMP but the exceptions are antrum of stomach and pylorus, lleo-cecal region and rectosigmoid colon. Median survival is approximately 6 years4. Mucinous adenocarcinoma from any condition can simulate PMP clinically, radiologically and at operation. As for all tumors, there are four main radiotherapy. modalities: chemotherapy, expectant treatment with symptom control and surgery Radiotherapy and el motherapy have a very limited role in the treatment. Intraperitoneal chemotherapy along with cyto-reductive sur sery increases the 5 year survival as compared to the real ts after surgery alone. Mitomycin C and 5-fluorouraeil we the main drugs used. The surgical procedure includes stripping of parietal peritoneum and resecting intra abcominal structures at fixed sites that contain tumor laden visceral peritonla our patient cyto reduction was done up to the maximum as it is the main stay of treatment. We did not offer intra-peritoneal chemotherapy to the patient because of lack of facilities for this treatment option. Content is fine after one year following. up. So, this case report is highlighting the importance of surgery in PMP managementum to accomplish a complete cyto reduction".

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Conclusion

Pseudomyxoma peritonei is a rare condition which, though of 'borderline' malignancy is invariably fatal. The optimal treatment is undoubtedly complete tumor excision, by complex surgical peritonectomy procedures, taking on average 10 hrs. Surgery is usually combined with ntraperitoneal, and now intra-operative, chemotherapy. These techniques have a high morbidity and mortality.

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