

A CASE OF PERITONEAL MESOTHELIOMA RELAPSING INSIDE HERNIA SAC AFTER 10 YEARS THE FIRST DIAGNOSIS

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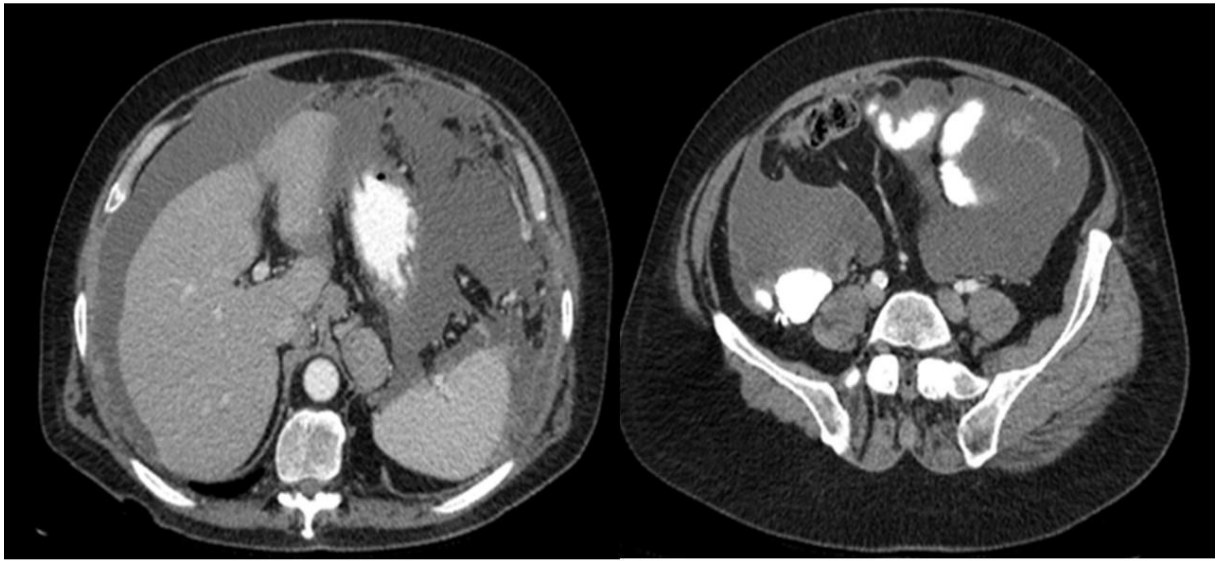
Introduction - Purpose : Peritoneal mesothelioma is a cancer found in the peritoneum, a thin membrane surrounding the abdomen. Caused by exposure to asbestos, peritoneal mesothelioma is extremely rare, and the prognosis is generally poor. Malignant tumors within hernia sac are classified as three groups, based on the anatomical relation of the tumor to the sac. In intrasaccular tumors, tumors primarily incarcerated in the hernia sac. Saccular carcinomas involve the peritoneum whether as primary or metastatic lesions. Extrasaccular tumors are protrude through the hernial defect but localized outside the hernia such as metastatic inguinal lymph nodes.

Findings : 59-year-old male patient, who had diabetes mellitus, hypertension and coronary artery disease, was diagnosed as peritoneal mesothelioma at 2008 March. He received combined chemotherapy including cisplatin and pemetrexed. After 6 cycles, the patient had a complete remission and he has been regularly checked without usage of any drug except insulin for his diabetes. In July 2017, the patient admitted to another hospital with a complaint of having left inguinal swelling. He was diagnosed with inguinal hernia and the patient was operated. During operation tumoral soft tissue mass inside hernia sac and soft tissue implants in abdomen were observed. Pathological examination revealed that malign peritoneal mesothelioma. Massive peritoneal ascit was developed and serum CA 125 level increased (165 u/ml). CA 19-9 was within normal ranges. Abdomen CT showed multiple lymph nodes in size of 32x22 mm at paraaortic and paracaval locations and multiple mesenteric peritoneal implants (40x50 mm). Thorax CT showed soft tissue lesions and probable metastases at paraesophageal and paracardiac areas (15x10 mm). Debulking surgery was performed. Pathological examination revealed it as epithelioid type malign mesothelioma with lymphovascular invasion. The patient was treated with combined chemotherapy including cisplatin and pemetrexed.

Discussion : Mesothelioma is a cancer with bad prognosis as it has low response to chemotherapy and radiotherapy. In this case of ours, late relapse of cancer is observed in a patient who got diagnosed with having peritoneal mesothelioma then had a complete remission after treatment 10 years ago. Also interestingly tumor caused symptoms by locating in inguinal hernia sac.

Keywords: Mesothelioma; peritoneum; Chemotherapy; relaps

CT images of patient



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