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Cyto-reductive surgery and hyper-thermic intra-peritoneal chemotherapy in the management of colorectal cancer: A case report and literature review

Garcilazo Alexandra¹, Medina Juan Manuel² and Padilla Isaías²

¹Autonomous University of Mexico State, Mexico

²Hospital Oncologico Del ISSEMYM, Mexico

Introduction: Colorectal cancer is the third most common cancer worldwide and need to develop more efficient methods for their treatment. Cyto-reductive surgery with HIPEC (Hyperthermic Intra-peritoneal Chemotherapy) represents an effective treatment option for colon cancer in advanced stages increasing the time of the patients survived.

Patient & Method: In this paper, a 43 years old female case with progressive abdominal growth associated with abdominal pain, postprandial fullness and weight loss is presented. The patient had palpable tumor of 10×8 cm in right lower quadrant without any other pathological data on physical and biochemical examination. A tomography showed a 5.4 cm tumor located in sigmoid colon with heterogeneous appearance. In colonoscopy was observed that the tumor occupied 80% of the lumen. Sigmoidectomy with intestinal reconnection and mesenteric lymphadenectomy were performed.

Results: The histo-pathological results showed a poorly differentiated adenocarcinoma with lymphovascular invasion and adenocarcinoma in lesser omentum, right parietal peritoneum, greater omentum and lymph node metastasis. Hyperthermicintra-peritoneal chemotherapy was performed with and cisplatin 120 mg. The treatment was completed with six cycles of chemotherapy with capecitabine and oxaliplatin. After 4 years of surveillance the patient is without evidence of tumor activity.

Biography

Garcilazo Alexandra is currently a Medical Student at Autonomous University of Mexico State, Mexico.

alexandra.garcilazo@gmail.com

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