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Case report on a unique case of intra-abdominal desmoid tumor

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Desmoid tumors (DT) are benign tumors that arise from the proliferation of well differentiated fibroblasts. Although they are benign, they have the potential to be locally aggressive and can recur post excision. DTs can present both intra-abdominal and extra-abdominal locations, however prognosis is worse intra-abdominally. Here we present the case of a 59-year-old gentleman previously fit and well who presented with a 4-week history of right abdominal mass associated with mild discomfort to the surgical outpatient clinic. There were no associated gastrointestinal symptoms noted. It was initially thought that it could represent an incisional hernia or Richter's hernia. He had previously undergone open appendectomy at the site of the lesion. He underwent a CT scan which revealed a 6.5 cm soft tissue mass. Following ultrasound guided biopsy, histology revealed fibrous connective tissue and bundles of spindle cells with no evidence of malignancy. The decision to excise the lesion was taken having been discussed at our local MDT meeting. Intra-operatively 3 lesions were identified with all 3 lesions embedded in the mesentery and located at serosal juxta positions. Histology of frozen section was consistent with DT. The margins were clear with no post-operative complications. There is an association of intra-abdominal DT with FAP. Intra-abdominal DTs are more prevalent in females with history of previous surgery. Our case is unique as our patient does not fall into any of the above categories. The basic management of intra-abdominal desmoid tumors is primary resection with any adjuvant therapy as deemed appropriate by the MDT specializing in soft tissue tumors..

Biography

Debkumar Chowdhury has completed his MBChB degree from the University of Bristol following his Foundation training in Scotland. He is currently a Clinical Teacher and Research Fellow in Breast and General Surgery at University Hospital Ayr, UK. He has a strong passion for teaching and currently holds the post of Clinical Lecturer at the University of Glasgow, UK.

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