

Title: Retrospective study looking at the metastatic profiles of pancreatic cancer patients: A case series

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This study aimed to determine the metastatic profile of pancreatic cancer patients along with its potential metastatic similarities between patients with pancreatic cancer by looking at the sex and age of the patient and number of metastases per location. A retrospective analysis study was conducted through the use of computer algorithms and artificial intelligence to extract data from de-identified, historic oncology clinical trial data to assess the metastatic profile of 138 pancreatic cancer patients to look at the region of metastases with a special focus on brain metastases. Out of the 138 pancreatic cancer patients examined for the metastatic profiles, 83 were males (60.1%) and 55 were females (39.9%). According to the metastatic profile of the patients, the most common metastasized organ was liver (53.6%), followed by lungs (26.1%) and bones (8%). However, in two cases, metastases were found in the brain. The current study revealed that metastases advance with age as most of the metastasized sites were identified in the age group of 61-80 years of age. Further, the number of metastasized sites was higher in males compared to females. This study was an exploratory retrospective analysis that could benefit future patients and allow for a better understanding of pancreatic cancer as it revealed powerful indicators of metastatic profiles in pancreatic cancer patients and allows quicker identification of metastases in patients.

Biography

Jordyn is currently completing her MS in Translational Medicine at City of Hope's Irell and Manella School of Biological Sciences and Keck Graduate Institute. Her thesis research involves the discovery of a new hepatocellular carcinoma imaging biomarker for potential uses in early detection. She is a Radiology Research Associate at City of Hope's 3D Oncologic Imaging Center. She has been published in several papers and involved in projects working closely with institutions including MGH and MD Anderson.

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