

Liver imaging in oncologic patients lecture

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Background: Multiple cancers have potential for metastasizing to the liver. Cancer treatment very often affects liver parenchyma causing for example steatosis or cirrhosis. The lecture aims to discuss imaging techniques (CT, MRI, ultrasound, and PET) in hepatic imaging in oncologic patients as well as the pitfalls of hepatic imaging in an oncologic population.

Content: Available literature on liver imaging in oncologic patients will be reviewed and several cases will be used as examples to illustrate the imaging approach to liver imaging in an oncologic center. Interactive questions/answers with audience will be used to assess the proper delivery of the objectives. In particular the audience will be asked an opinion on multiple cases and the different answers will be discussed during the lecture.

Conclusions: Attendees will be familiar with standardized approach to liver imaging and different imaging modalities in an oncologic population. The attendees will also learn how to assess post treatment response and the pitfalls of hepatic imaging in oncologic patients.

Key words: liver malignancy, magnetic resonance imaging, ultrasound, positron emission tomography.