Facilitating Communication for Dose Optimization in CT

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The relationship between the medical physicist and radiologist has grown in importance in the present regulatory environment, and is advocated for in the recently released AAPM Medical Physics Practice Guideline 1.a: CT Protocol Management and Review Practice Guideline. Collaborative patient image review is an important mechanism to facilitate dialogue about dose optimization, and clinical requirements. Clinically significant diagnostic challenges with medical vignettes and patient images will be presented.

Session learning objectives include:

1. Observe pathology-mimicking artifacts in head CT
2. Review image characteristics necessary for accurate diagnoses in spine CT
3. Review expectations for screening, non-screening, and specialty chest CT
4. Observe image features that create challenges for lesion detection in liver CT