FUTURE DIRECTIONS

Development and refinement of the protocol system continues with expansion of the order entry system into modalities for PET CT imaging services. This updated system will leverage the already deployed work queues in place for CT imaging expansions to additional modalities. The efficiency of this transition to other areas should be facilitated by the radiologic and technologist workflow improvements for scan ordering of FDG and gadolinium. A new expanded order entry system will be implemented for CT imaging and planned modalities of MRI and PETCT this spring. The updated protocol system continues with expansion of the order entry system into modalities for PET CT imaging services.

PROGRAM AIM

The protocol system of imaging process management into an electronic order entry process with coordination of the radiologic and technologist interactions for CT, MR and PET/CT modalities.

PURPOSE

To propose an imaging protocol system that has been regarded as important to imaging practice in terms of both clinical quality and consistency. In many institutions, the radiologists assess the clinical exam request and then tailor the imaging protocol to provide optimal imaging to best address the clinical question being posed by referring clinicians. Increased emphasis on mitigation of radiation exposure, medication administration policies and more recently qualification of radiologists as Eligible Providers for the purpose Meaningful Use eligibility under the Health Information Technology for Economic and Clinical Health (HITECH) Act necessitates a logical transition of exam protocol activity into a more formal clinical order entry process.

METHODS

The protocol order system is available as a discrete module in ClinStation™, MD Anderson Cancer Center’s internally developed Electronic Medical Record (EMR). This meet the requirements for Meaningful Use (MU), incentive payments. Clinical status currently obtained Complete EHR certification for both inpatient and outpatient providers. An electronic protocol system was created specifically to allow formal order entry process for Diagnostic Imaging involving both the radiologic and technologist interactions. The system then provides an electronic capture protocol for order entry process. The system also provides a formal medication order, available in the EMR of medication administration process. The system then provides an electronic capture protocol as well as administration of oral and intravenous medications. The system also provides a formal medication order, available in the EMR of medication administration process. The system then provides an electronic capture protocol as well as administration of oral and intravenous medications.

CONCLUSION

The transition of a protocol entry system to a formal Protocol Order Entry documentation for CT imaging and planned modalities continues with expansion of the order entry system into modalities for PET CT imaging services. This updated system will leverage the already deployed work queues in place for CT imaging expansions to additional modalities. The efficiency of this transition to other areas should be facilitated by the radiologic and technologist workflow improvements for scan ordering of FDG and gadolinium. The clinical data management and direct screening workflow process will be enhanced by nursing and technical staff already performing clinical documentation within the EMR.

ACKNOWLEDGEMENT

Kelly R. Duggan for expertise in exhibit preparation.

The system provides the creation of a Protocol Order Entry documentation for CT imaging and planned modalities for CT and PET imaging services. The order entry process provides an electronic capture protocol for CT imaging services. The order entry process provides an electronic capture protocol as well as administration of oral and intravenous medications.

ORDER WORKFLOW

The system provides the creation of a Protocol Order Entry documentation for CT imaging and planned imaging services. The order entry process provides an electronic capture protocol for CT imaging services. The order entry process provides an electronic capture protocol as well as administration of oral and intravenous medications.

RESULTS

The system provides the creation of a Protocol Order Entry documentation for CT imaging and planned imaging services. The order entry process provides an electronic capture protocol for CT imaging services. The order entry process provides an electronic capture protocol as well as administration of oral and intravenous medications.

MEANINGFUL ORDER PROCESS

In some cases, altered imaging protocol must transition into a clinical order process. Optimized scan ordering protocol meets the demands of reduced radiation exposure, medication administration policies and more recently qualification of radiologists as Eligible Providers for the purpose Meaningful Use eligibility under the Health Information Technology for Economic and Clinical Health (HITECH) Act necessitates a logical transition of exam protocol activity into a more formal clinical order entry process. The order entry process provides an electronic capture protocol for imaging services. The order entry process provides an electronic capture protocol as well as administration of oral and intravenous medications.

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