

Audit Of Radiology Procedure Compliance With Imaging Referral Guidelines And To Assess Prevalence Of Unnecessary Repeats



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OBJECTIVE

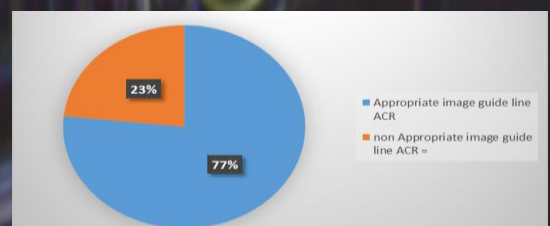
The aim was to illustrate radiology procedure compliance with imaging referral guidelines and to assess prevalence of unnecessary repeats. Imaging referral guidelines are required by the European BSS Directive and national legislation, the Ionizing radiation (for Medical Exposures) Regulations. The implementation of referral guidelines is an essential part of clinical governance.

METHODOLOGY

This is to assess the compliance with the image referral guidelines in the Radiology department of Rehman Medical Institute Peshawar. A retrospective study was conducted. In this study a random sample of n=30 patients was selected in including population of different age group in which out of 30 , 14 were male and 16 were female patients. Out of 30 examinations included in our study 10 were from CT modality, 10 from MRI, 5 fluoroscopy, 3 ultrasound and 2 were plain radiographs. The MRI modality was showing most compliance with image referral guidelines. The clinical history and medical record of the patients were acquired from central database HIMS. Each case was thoroughly studied and assessed.

RESULTS

Patients presented to the Radiology Department of Rehman Medical Institute for different examinations were assessed. Out of 30 patients, 76.6% (n=23) examinations conducted were most appropriate and according to the image referral guidelines of ACR whereas 23.3% (n=7) were not appropriate and were not in line with the referral guidelines set by ACR



Appropriateness According to ACR Guidelines

CONCLUSION

We concluded from our results that 76.6% of the examinations performed in radiology department were most appropriate and according to the image referral guidelines of ACR. Implementation and improvement may be done by continuing education and training and clinical audit

REFERENCES

1. UK Department of Health. Ionizing Radiation (Medical Exposure) Regulations. Her Majesty's Stationery Office, London. 2017.
2. Royal College of Radiologists. iRefer: Making the best use of clinical radiology. RCR iRefer v. 8. 2017.