

Title of Course - Infection Prevention during Radiological Procedure

Course Code: NPIAS-VAC-001

Course objective: It will sensitize them towards infection prevention during radiological procedures.

Syllabi of Course:

Radiology Workstation 5 Hrs.

Workstations used by physicians and technologists to capture, edit, and save images can be contaminated with even higher levels of microbial organisms.

Waiting areas 5 Hrs.

Prolonged exposure of patients and accompanying family members, especially in a suboptimal ventilated setting, raises an inevitable possibility of infection transmission, particularly in the context of the outbreaks of highly communicable diseases.

Ready rooms 5 Hrs.

The surfaces and devices used in these rooms can serve as a source of pathogenic organisms, e. g., illuminated venipuncture assist device (Vein finder).

Ultrasonography 5 Hrs.

Diagnostic medical sonography is a multi- specialty profession comprising abdominal sonography, breast sonography, cardiac sonography, obstetrics/gynecology sonography.

Interventional radiology 5 Hrs.

Interventional radiologists perform various imaging-guided minimally invasive procedures. These procedures may pose IPC concerns applicable to many other procedures performed outside the radiology.

Procedure 5 Hrs.

During Procedure the technician must be aware about PPE so that the patient as well as workers will not be contaminated from these harmful microorganisms.

Suggested Reading:

Jimenez YA, Lewis SJ. Infection prevention and control in the medical imaging environment: a scoping review. Insights Imaging. 2023 Jul 14;14(1):121. doi: 10.1186/s13244-023-01470-1. PMID: 37450068; PMCID: PMC10348968.

Ilyas F, Burbridge B, Babyn P. Health Care-Associated Infections and the Radiology Department. J Med Imaging Radiat Sci. 2019 Dec;50(4):596-606.e1. doi: 10.1016/j.jmir.2019.07.011. Epub 2019 Oct 14. PMID: 31623975; PMCID: PMC7104925.

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