

Exposure radiation and risk assessment of hysterosalpingography

Edrees Muhammad Tahir Nury and Ilham Khalid Ibrahim
Salahaddin University-Erbil, Iraq

Estimating the received radiation doses in HSG is very important because the gonadal region is irradiated. In Kurdistan region, Iraq, there are not much experimental data related to patient's exposition in HSG procedures due to which there is no control and prevention of radiation. As well as the lack of a solid scientific base. The dosimetric survey was carried out on 100 patients in three hospitals. Beside BMI, patient exposures factors (mAs, kVp, exposure time, sources to patient's distances and air kerma) were measured. Organ doses, effective dose with percentage (%) of risk of exposure-induced death (REID) were estimated by using PCXMC 2.0 software. The results obtained in the three hospitals are in a good agreement with that recorded in literature review and it is in reasonable limits.

Biography

Edrees Muhamad Tahir Nury has completed his PhD from Salahaddin University from Department of Physics. He is also Lecturer of Radiation Protection for Medical Physics students. He has worked as a Lecturer for Basic Physics and Medical Physics for Medical and Dental Medicine students. He is the Director of Radiation Protection Unit in Center Research in Salahaddin University. He has published more than 20 papers in reputed journals and has been serving as an Editorial Board Member of repute.

edrees.nury@su.edu.krd

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