

AbstractID: 5912 Title: Combined Role Of Physicist And Technologist In Optimizing CR, DR Techniques To Meet The Regulations And ALARA!

With advancement of CR and DR, many facilities are switching from regular FILM-Screen combination to these new technologies. While manufacturers suggest basic techniques for different projections to be used in the radiography rooms, it is our experience, to notice that, some of the prescriptions may not meet the need. Adjusting to a different technique may make the entrance skin exposures for different projections exceed the regulatory limits. It is the responsibility of the Medical Physicist to make sure that ALARA is met in these situations while making sure that image quality is not compromised. Role of the technologist is very important to optimize the exposures. This paper will discuss the failure part and the necessary problem solving steps. Tables for entrance exposures for Film-screen, CR and DR will be discussed with optimum techniques used in our institution as a model.