

The topic of my work is "The role of a radiological assistant in the elimination of the mistakes during the postero-anterior view of the chest". I was particularly interested in this topic because it was the one I wished to get acquainted with in each and every detail, from the very beginning of the examination till its end. The X-ray is kind of a electromagnetic wave with the wave-length ranging from  $10^{-9}$  to  $10^{-11}$  metres. The X-ray machine consists of the X-ray emitter and the generator. The heart of the X-ray machine is

an electrode pair, a cathode and a tungsten anode, that is pegged inside a glass vacuum tube. An X-ray picture is a two-dimensional picture of a plastic subject. It's a summarizing picture, that means it contains information about all tissues without order.