

Chapter Three

Material and Methods

The objective of this study to evaluate of quality assurance program implementation in conventional diagnostic radiology

3.1 Material

3.1. 1 Study population (study sample)

This is practical study carried out in samples of 50 questionnaires (45 Technologists and 5 medical physicists) to Evaluate of Quality assurance program implementation in conventional diagnostic radiology

3.2 Methods

3.3 .1 Questionnaire

Data has been collected through the questionnaire to determine whether the diagnostic center Apply the Quality assurance program implementation in conventional diagnostic radiology.

The data included the Patients care (An explanation of examination of the patient and Radiation safety), dark room and accessory (alarm light on the door, Perform the radiation leakage test and QC of dark room) and X-ray room.

3.2.2 Observation:

The researcher was visited x-ray departments to study and observation the main quality control or quality assurance program in that department.

3.2.2 Data analysis

All data were entered and analyzed using Microsoft office 2007 – Excel Program under windows –xp, included description statistic of frequency table and graph.

3.2.4Study Duration

This study period will be from November 2014 to February 2015

3.2.5 Area of study

This study was conducted in seven medical diagnostic which located in Khartoum