

X-RAY TECHNICIAN I

NATURE OF WORK

Work of this class involves the skilled operation and minor maintenance of X-ray equipment. Employees are responsible for taking and developing radiographs for screening, general diagnostic, and therapeutic purposes. They take all types of diagnostic chest X-rays and are also responsible for routine orthopedic work involving the extremities. Responsibilities include preparing and positioning patients, adjustment and minor maintenance of equipment, and the clerical processing of records and reports. Work is performed in a state hospital or a state or local public health program under the general supervision of higher level X-ray technicians or physicians. Evaluation of work is by the quality of films produced.

ILLUSTRATIVE EXAMPLES OF WORK

Prepares patients and operates X-ray equipment to secure desired radiographs of chest, extremities; skull, teeth, jaw; face sinuses, spine, pelvis, gastrointestinal tract, gall bladder, urinary tract; and pregnancies; assists physicians with fluoroscopy by preparing and positioning patients.

Adjusts equipment to secure proper exposures; watches and regulates current and voltage dials to secure desired intensity of X-rays and to maintain a steady flow of current during radiographic techniques.

Processes film through developing, fixing, washing, and drying processes; makes up necessary solutions; keeps darkroom and X-ray room in a neat and orderly condition.

Mixes radiopaque solutions for patients to drink in order to perform proper radiographic studies.

Records and files X-ray films and maintains routine files of reports and material requisitions.

Maintains equipment in good working order by cleaning and oiling and making minor repairs and adjustments; reports to supervisor when major repairs are necessary.

Performs related work as required.

KNOWLEDGES, SKILLS AND ABILITIES

General knowledge of the methods and techniques involved in the operation of X-ray equipment.

General knowledge of the methods and techniques used in the processing of X-ray film.

General knowledge of the operating principles of X-ray equipment.

General knowledge of safety procedures employed with radiation hazards.

General knowledge of human anatomy and the proper positioning of patients to secure desired radiographs.

Ability to gain the confidence and cooperation of patients.

Ability to prepare routine reports and maintain related clerical records.

Ability to make minor repairs and perform preventive maintenance on X-ray equipment.

ACCEPTABLE TRAINING AND EXPERIENCE

Graduation from high school supplemented by a course of training in X-ray technology; or graduation from high school and two years experience in the operation of X-ray equipment; or an equivalent combination of training and experience.

PREPARED BY
NORTH CAROLINA STATE PERSONNEL DEPARTMENT

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