

X-RAY TECHNICIAN II

DESCRIPTION OF WORK

This is skilled work in the application of general radiologic techniques in a department of radiology in a State institution.

Employees supervise and participate in taking and developing radiographs for diagnostic, screening, and therapeutic purposes. They take all types of diagnostic chest x-rays and are also responsible for complex orthopedic work. Responsibilities included preparing and positioning patients, adjusting equipment and minor maintenance, assisting physicians with fluoroscopy, and the clerical processing of records and reports. Assignments are in State hospitals and often include supervising subordinate technicians and training student technicians in general diagnostic procedures. Work is performed independently without technical supervision and evaluated by physicians for quality of films produced and by higher-level x-ray technicians for adequate production standards.

EXAMPLES OF DUTIES PERFORMED

Supervises and participates in the preparation of patients and the operation of x-ray equipment to secure desired radiographs of chest, extremities, skull, teeth, jaw, face sinuses, spine, pelvis, gastro-intestinal tract, gall bladder, urinary tract, and pregnancies; assists physicians with fluoroscopy by preparing and positioning patients.

Supervises and participates in the processing of film through developing, fixing, washing, and drying processes; keeps darkroom and x-ray room in a neat and orderly condition.

Trains students and subordinate technicians in the operation of x-ray equipment and in safety procedures involving radiation hazards.

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

Reports to supervisors when major repairs are necessary.

Performs related duties as required.

RECRUITMENT STANDARDS

Knowledges, Skills, and Abilities

Considerable knowledge of the methods and techniques involved in the operation of x-ray equipment.

Considerable knowledge of the methods and techniques used in the processing of x-ray film.

Considerable knowledge of safety procedures employed with radiation hazards.

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

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

Ability to supervise and train subordinate technicians and student technicians.

Ability to gain the confidence and cooperation of patients.

Minimum Education and Experience

Graduation from high school supplemented by a course of training in x-ray technology and one year of experience in the operation of x-ray equipment; or an equivalent combination of education and experience.