



MEDICAL ELECTROENCEPHALOGRAPH TECHNICIAN

CHARACTERISTICS OF WORK:

This is technical work in a hospital, clinic, or local school in the operation of an electroencephalograph machine to test and record the electrical activity of the brain of patients having a case history of mental disease, brain injury, or convulsive disorders. The incumbent is required to work in close cooperation with nurses, doctors, or other hospital or clinical personnel who are responsible for patients. A close person-to-person work relationship must be established with patients in order to gain their confidence and create a valid testing atmosphere. Supervision may be exercised over electroencephalograph technician trainees who are receiving instructions in the operation of the machine. Incumbents work under the supervision of a Psychiatrist, Neurologist, or Encephalographer.

MINIMUM REQUIREMENTS:

Education:

Graduation from a standard four-year high school or equivalent (GED);

AND

Experience:

Two (2) years of experience in electronics or electronics field.

Substitution Statement:

Related education and directly related experience may be substituted on an equal basis.

EXAMPLES OF WORK:

Examples of work performed in this classification include, but are not limited to, the following:

Explains use of machine and testing processes to patients to gain their confidence and cooperation.

Prepares patient for testing by attaching electrodes to the head in proper positions and by posturing patient in a reclining and restful position to ensure complete relaxation.

Calibrates the electroencephalograph machine by making certain that all channels to be used are set to record symmetrically.

Connects dial controls to leads for making recordings in the prescribed number of channels and combination.

Studies requests from referring physicians and determines brain area to be tested.

Studies electroencephalograms and extracts sections which indicate abnormalities for review and diagnosis by electroencephalographer.

Arranges for re-examination of patient in cases where graphs indicate need for additional tests.

Furnishes information to doctors on readings for graphs preliminary to diagnosis by electroencephalographer.

Observes patients constantly and notes on chart all artifacts which interfere with a true recording.

Arranges for return of patient to ward, clinic, or medical officer responsible for referral.

Makes adjustments and repairs to electroencephalograph machines.

Performs related or similar duties as required or assigned.

INTERVIEW REQUIREMENTS:

Any candidate who is called to an agency for an interview must notify the interviewing agency in writing of any reasonable accommodation needed prior to the date of the interview.