


Radiography Health & Safety Information



RADIATION

Students will be exposed to low levels of scattered x-rays emerging from the patient and equipment during fluoroscopy, mobile radiography, and surgical procedures. A lead apron is required to be worn when performing these examinations.

MAGNETIC AND RADIOFREQUENCY WAVES

Students have a potential to be exposed to magnetic and radiofrequency waves during their clinical education. A mandatory screening process and safety training will occur annually. The primary concern is the health and safety of all people present as the magnet in the MRI suite is never off and the chance of projectiles can occur. There is also potential danger to those with implanted devices and/or foreign bodies. Many implanted devices/foreign bodies are not considered safe in the MRI environment depending on the strength of the magnet and types of radiofrequency pulses utilized. Each clinical site will determine if students are eligible to participate in the MRI environment based on clinical site policies and screening information gathered from the student.

DISINFECTANT

Students will be using strong disinfectants to clean surfaces touched by patients. Gloves are required to be worn when using these chemicals.

COMMUNICABLE DISEASES

Students will be exposed to a multitude of communicable diseases. Standard precautions, as defined by the CDC, must be practiced at all times. Additional PPE may be required for certain circumstances to participate in clinical settings as directed by the CDC and IDPH.

LEAD

Most radiographic markers contain lead encased in plastic or acrylic. Students should wash hands frequently during their workday to decrease likelihood of skin exposure.

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets for chemicals used at clinical are available at each clinical site by request from the Clinical Instructor. MSDS for lead markers and disinfectants used for equipment/hands in the lab are available on the bulletin board in the lab (ICB 1709).