

Health and Safety

Radiation: students will be exposed to low levels of scattered x-rays emanating 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, safety of all people present as the **magnet 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 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 the screening information gathered from the student.

Disinfectant: Students will be using powerful 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 Centers for Disease control and Prevention, must be practiced at all times. Additional PPE may be required for certain circumstances to participate in lab and clinical settings as directed by the CDC and IDPH.

Lead: most radiographic markers contain lead encases in plastic or acrylic. Student is to wash hands frequently during their workday to decrease likelihood of skin exposure.

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