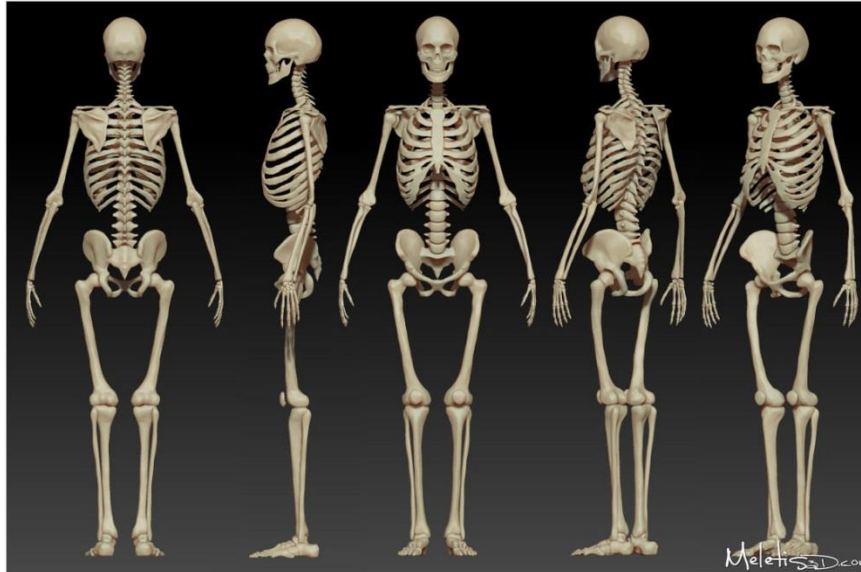


# Welcome to Radiologic Technology



# Welcome to the Best HealthCare Career!

We hope that the following presentations will help you find out if this career is the right fit for you. Once you have settled that decision, the next biggest one is where to go for your education. We hope that the remaining presentations will help you understand our program and what we offer to our students.

Watch as many presentations as you need to!

Please contact us if you need any further information or clarification in the material that is presented here.

# JOB DESCRIPTION

- The Radiologic Technologist, or RT(R), safely uses x-ray equipment to examine patients for broken bones, injuries, diseases, or assess the functional ability of organs.
- In order to better assess body systems, we can employ the use of “live” imaging called Fluoroscopy which is performed by the radiologist which means the technologist will then assist the Dr. and patient.
- The RTR may work in hospital or clinic settings.
- The work may also involve assisting other physicians during invasive procedures as well as using mobile x-ray equipment in surgery, patient rooms, and ER.
- We are a vital member of the patient care team!
- According to the Bureau of Labor Statistics
  - Median salary nationally is \$56-64K <sup>1</sup>
  - Regional starting wage: \$20-22 per hour
  - “Employment of radiologic technologists is projected to grow 13% percent from 2016 to 2026, faster than the average for all occupations”<sup>2</sup>.



<sup>1</sup> <https://www.bls.gov/oes/current/oes292034.htm#nat>

<sup>2</sup> <https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>

# IMPORTANT JOB TASKS

- Communication is very important!
  - You need to be somewhat outgoing to be a good fit for this profession
  - Inform patient what is going to take place, what you will need him/her to do and be able to answer questions/reassure patient
  - Gain patient consent and explain the risks/benefits for invasive procedures
  - Acquire a patient history in a timely yet thorough manner and relate that history to physicians
- Smile, caring, and compassionate- x-ray tables are hard but our professional manner should not be!
- Assist patients into the correct positions by physically touching and moving him/her-this profession requires us to be able to have close contact with patients, often in times of great pain/injury

# JOB TASKS-CONTINUED

- Operate computerized x-ray equipment that requires both gross and fine motor skills
  - Each system has its own personality and functions different so mastery will take entire program
- Provide a safe environment for the patient
  - This might sound easy but when patients are weak and imaging routine asks for upright images, unexpected things could happen! Our profession requires deep thinking and provides a sense of personal satisfaction when quality images are obtained in a safe environment!

# JOB TASKS-CONTINUED

- Set the required amount of radiation exposure
  - Every job has hazards, this is one of ours. Radiation is needed to form the images we take and this is where art and science meet! Learning this delicate balance is a life-long skill because of the ever-changing technology! Rest assure, our program strongly teaches safe radiation practices for both patient and technologist!
- Acquiring the images through computer software programs-we are the first people in the world to see what each patient looks like on the inside. With this great power comes great responsibility!

# JOB TASKS-CONTINUED

- High patient contact with basic nursing skills-we share a lot of the same job tasks as an RN (cleaning up patients, vital signs, CPR, etc) but we get to use computers to look inside the body !
- Stress level varies patient to patient and exam to exam
- One great advantage about this career is the variety of patients, from the very young to the very old. Each has their challenges so you never do something the same way! Variety is the spice of life!
- One challenge in our career is that you are taking care of people who are in the fight for their lives- cancer, trauma, surgery/recovery! It is hard to see people suffer so you have to have the right mindset in order to provide comfort to each patient you take care of!



# JOB TASKS-CONTINUED

- Radiologic technologists work in all areas of the hospital- mostly in the main radiology department, but we have mobile units that we can use in the surgical setting and the intensive care units or anywhere help is needed!
- Radiologic technologists work variety of hours/shifts which may include day shifts, pm's, weekends, overnights, holidays, on-call (pay differentials)
- We are the bridge between patient and physician but many times we work along side different physician specialties to care for patients!



# What makes this career unique?

- We administer contrast agents to highlight organs by intravenous/oral/rectal routes
- We have to “chart” medical information and our images are part of the patient medical record
- Technologists are responsible for their own image quality so our program emphasizes these very important skills from the first semester!
- Have to be able to work in team environment along with other professionals
- See people at their worst and best moments!
- Use cutting edge technology to see inside the body!



# EQUIPMENT USED IN RADIOLOGY



Basic Overhead X-ray Tube



Live X-ray (Fluoro) and Overhead System



Mobile Fluoro Unit for Surgery

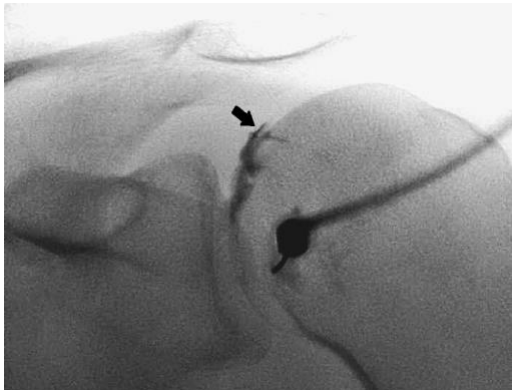


Mobile DR Unit



DR Radiographic System

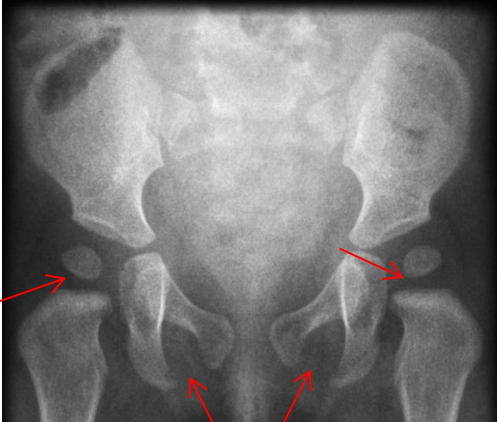
# EXAMS PERFORMED IN DIAGNOSTIC RADIOLOGY



Shoulder Injection with Fluoro



Lateral View of Lower Spine



Child pelvis showing growth areas



Lower Leg Fracture



Eye screening before MRI



Hand with dislocation of 5<sup>th</sup> finger

# JOB OPPORTUNITIES

Once you graduate from a radiology program, your salary range is estimated to be \$20-\$22/hour in this region. This is considered an entry-level position. The list below are additional career paths in imaging that you can pursue. Certification may be required for some secondary modalities.

- CT (\$25 hour) (on the job training)
- MRI (\$25/hour) (on the job training)
- Cath Lab/Interventional Radiology (\$25 hour) (on the job training)
- Mammography (\$23 hour) (on the job training)
- Temp Tech (\$\$\$)
- Radiation Therapy (1 additional year of schooling)
- Sales (selling x-ray equipment to hospitals)
- Education (undergraduate degree minimum)
- Radiologist Assistant (undergraduate degree with 1-5 years experience)(additional schooling needed)
- Management (under/graduate degree needed minimum)



If you have any questions, please contact  
any faculty member listed below....

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