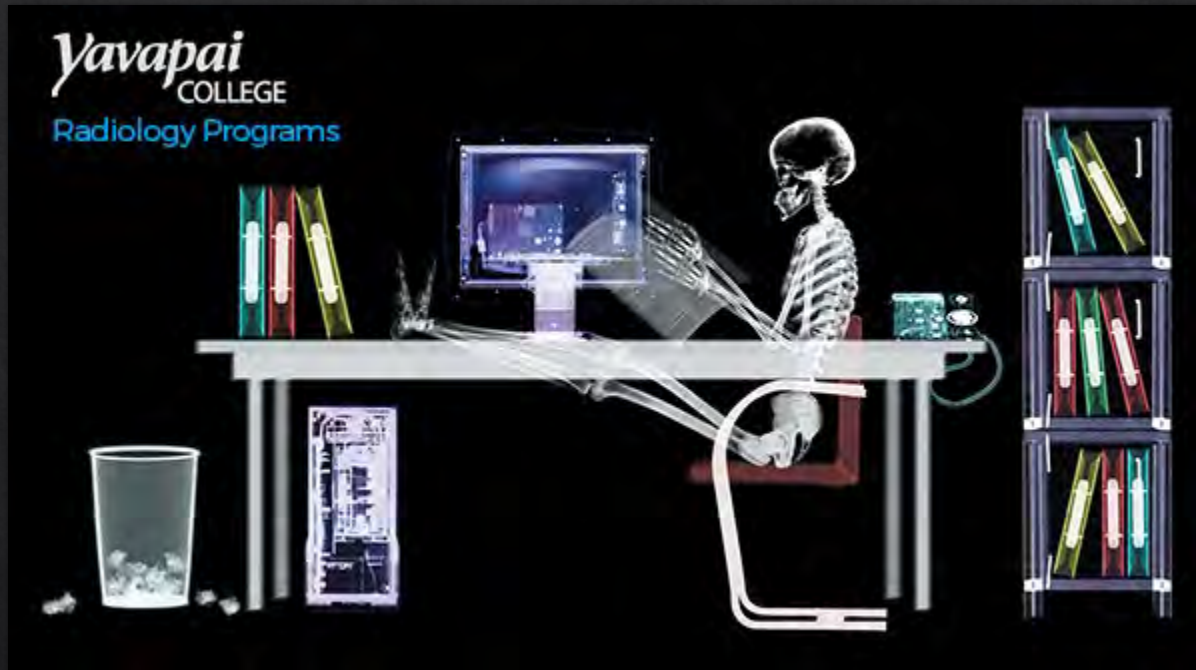


# Yavapai College

## Radiologic Technology

### Virtual Information Session



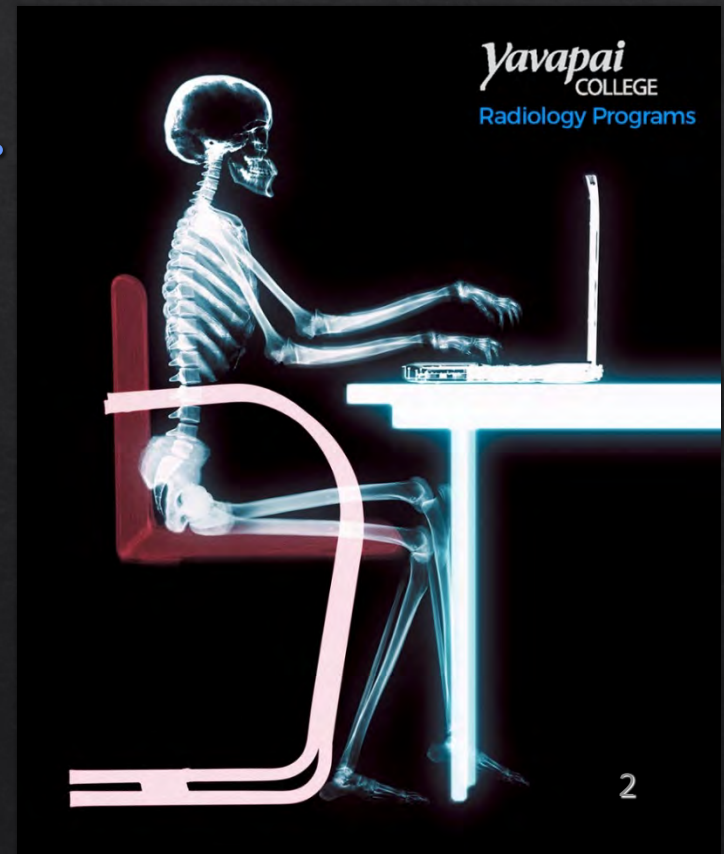
# Yavapai College

## Radiologic Technology Program

*Welcome to our Information Session! We are looking forward to sharing with you insight about the profession and our RadTech Program!*

### What are we going to answer today...

- ◆ What is Radiologic Technology?
  - ◆ *Where do we work?*
  - ◆ *What skills are needed?*
- ◆ Career Mobility, Programs, Statistics
- ◆ Student Qualifications, Requirements
- ◆ Radiologic Technology Education



**Little known fact... Wilhelm Conrad  
Roentgen  
Discovered X-Ray on November 8, 1895**





# Types of Medical Imaging Programs

1. Radiography – Radiologic Technology
  - ◆ This is our program, AAS Degree
  - ◆ Advanced modalities include CT & MRI
2. Nuclear Medicine Technology Program
3. Ultrasound Program (Sonography)
4. Radiation Therapy Program



# Programs:

## 1. Radiography

Art &  
Science



# Example: Hand Fracture X-ray



Think of patient care & pain...



# Example: Ankle Fracture X-ray



Think of pathology...



# Example: Shoulder Fracture X-ray

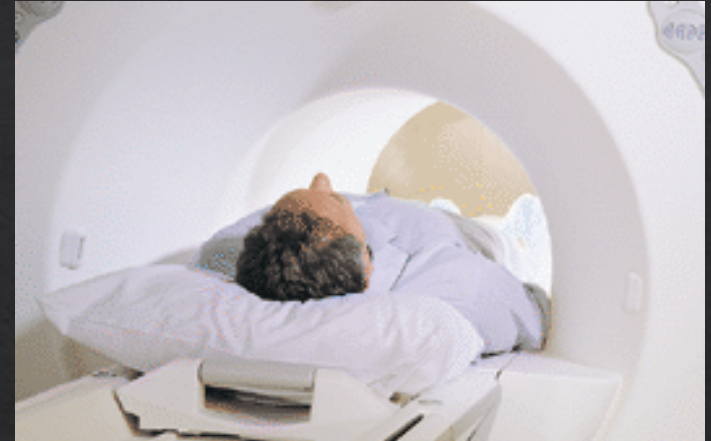


Think of  
patient  
positioning...



# Advanced Modalities of Radiography:

## a. Computed Tomography (CT)



Certifications after RadTech program completion...



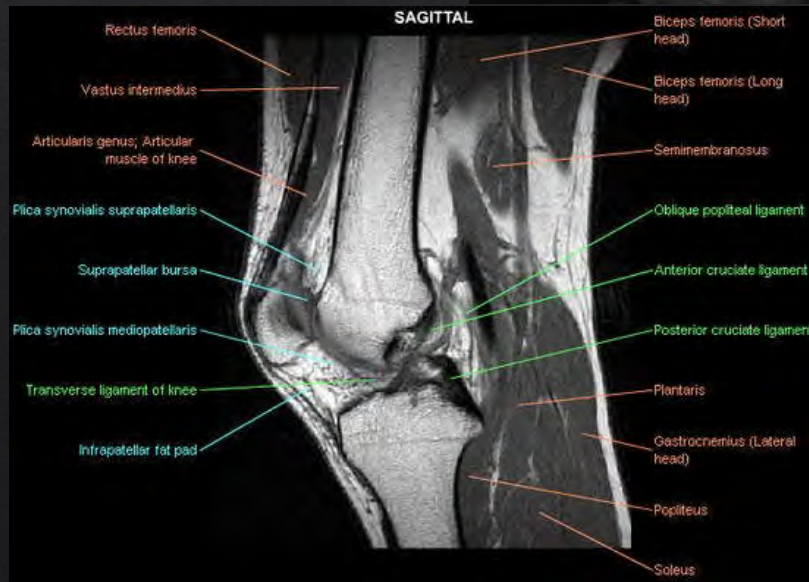


# Advanced Modalities of Radiography:

## b. Magnetic Resonance Imaging (MRI)



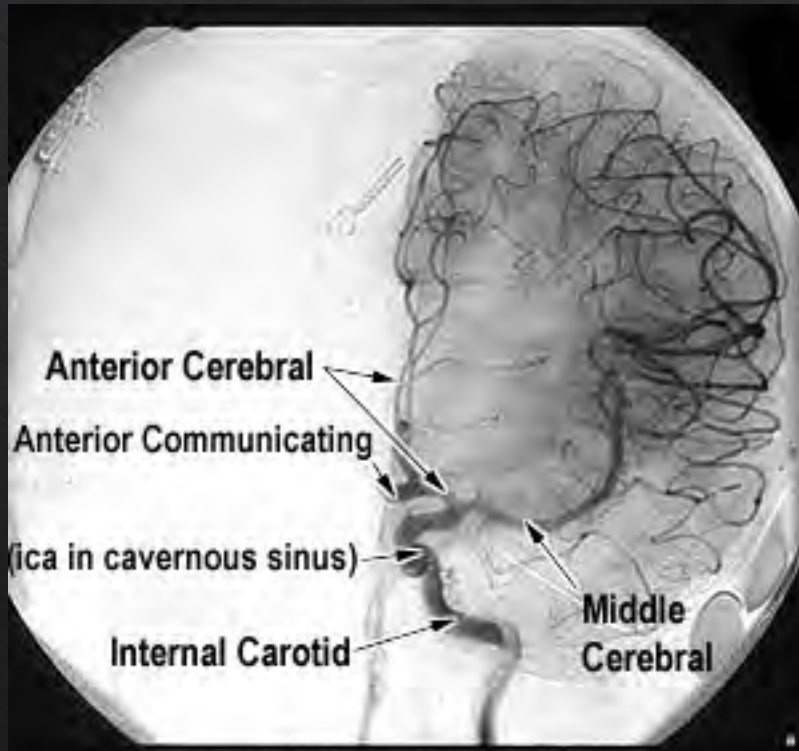
Think of patient communication...





# Advanced Modalities of Radiography:

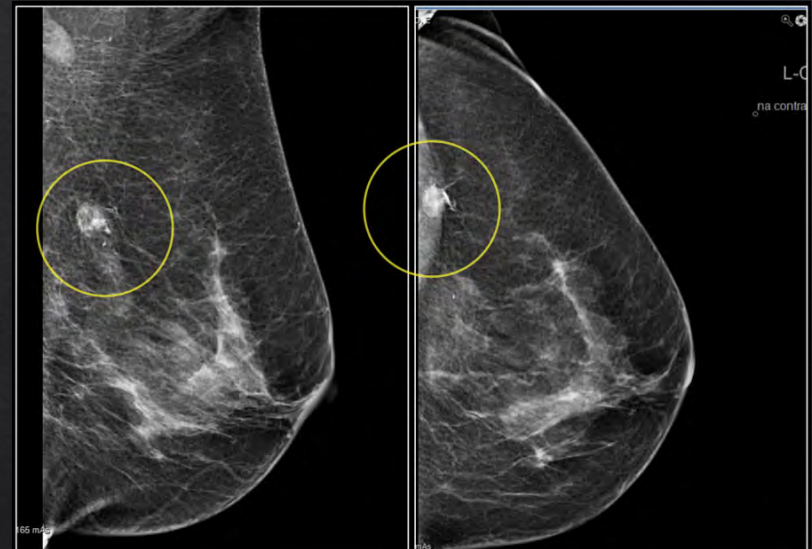
## c. Interventional Radiologic Technology



Think of anatomy knowledge base & sterile environments...

# Advanced Modalities of Radiography:

## d. Mammography

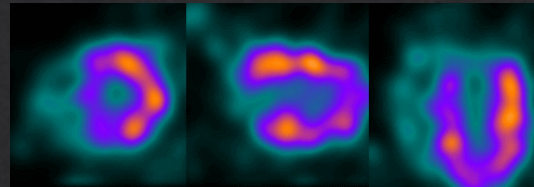


Think of empathy & compassion...

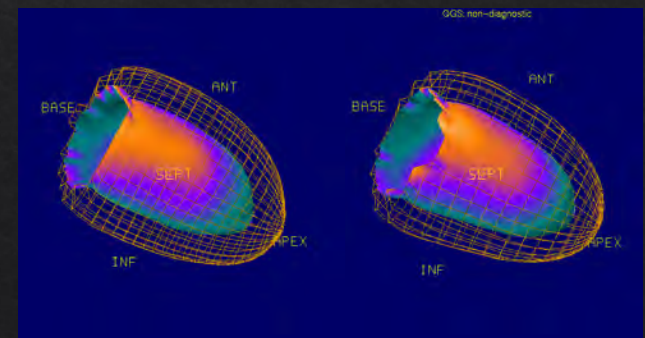
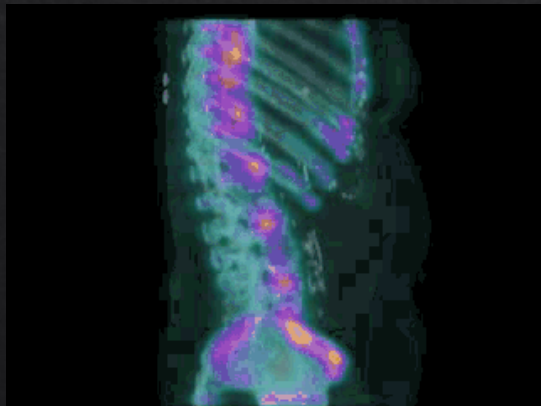


# Programs:

## 2. Nuclear Medicine Imaging



Bachelor degree program...



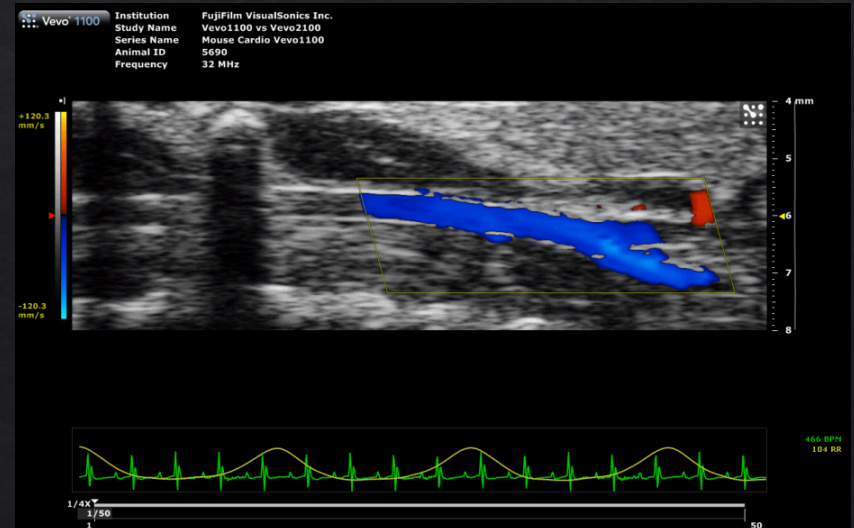
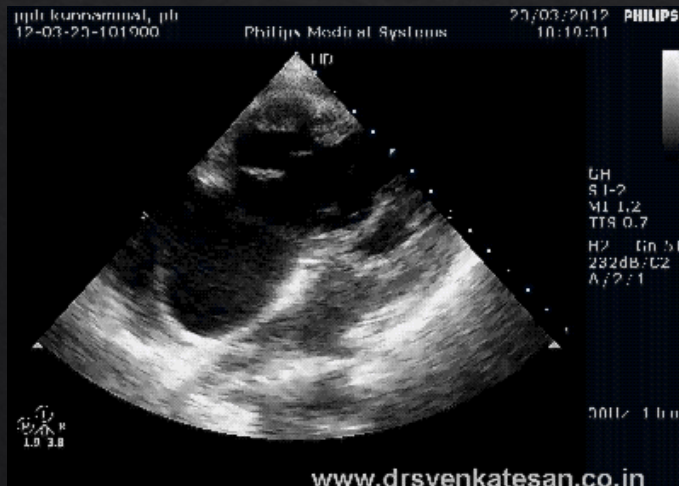


# Programs:

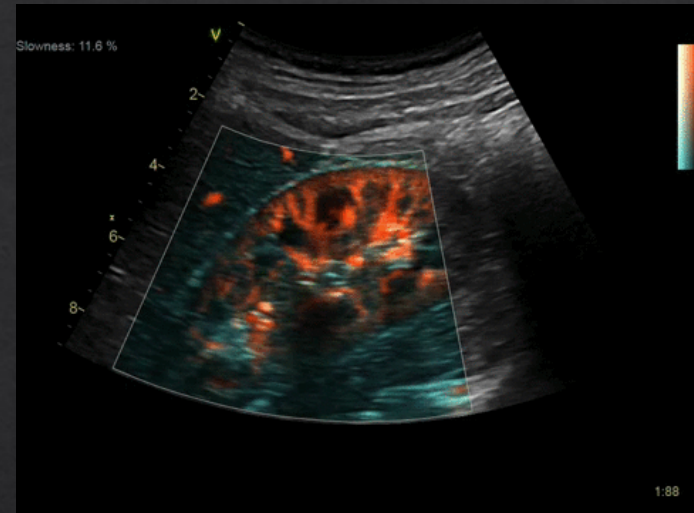
## 3. Ultrasound (Sonography)



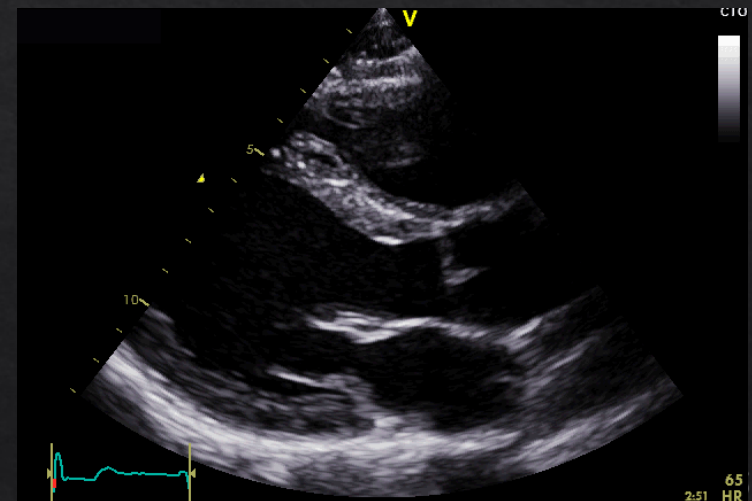
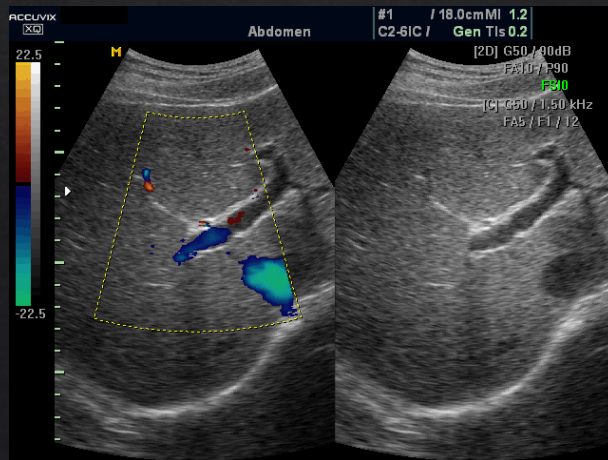
OB/GYN  
MSK  
Vascular  
Abdomen  
Breast  
Cardiac  
Pediatrics



# Ultrasound Imaging Examples:



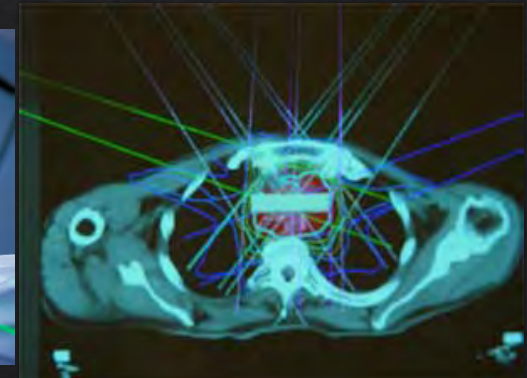
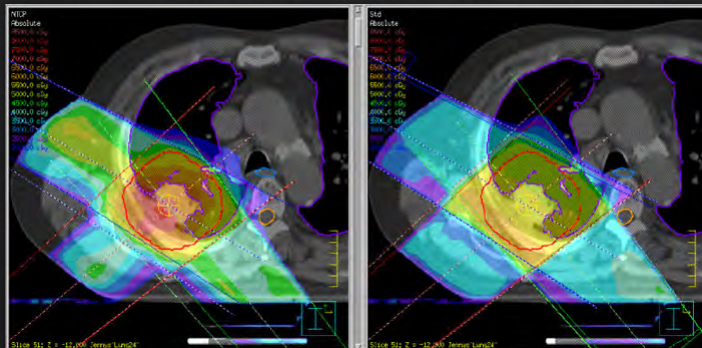
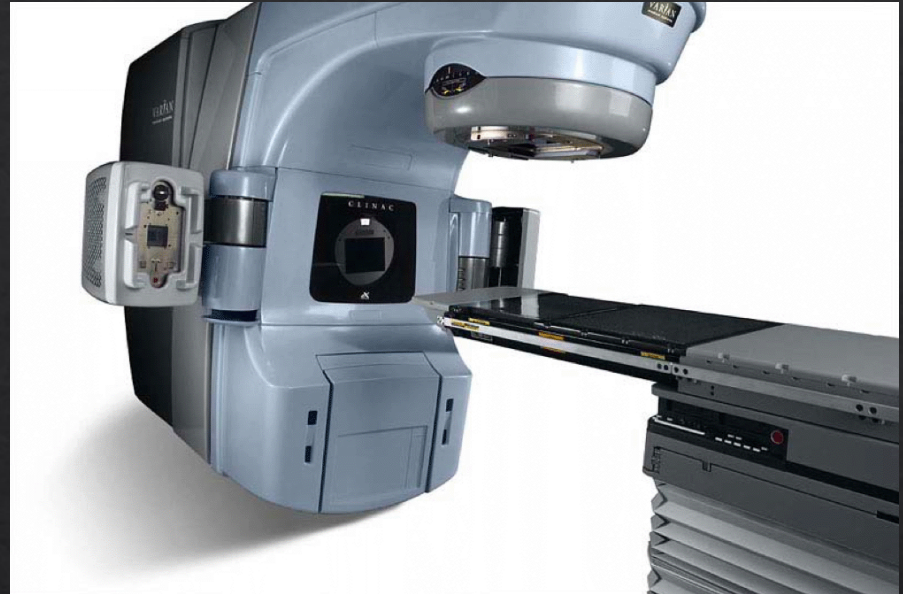
Think of patient interactions and time management...





# Programs:

## 4. Radiation Therapy



Think of precision and professional interactions ...



# Now...about us!

- ◆ Let's go through who and what we do here at Yavapai College in the Radiologic Technology Program!

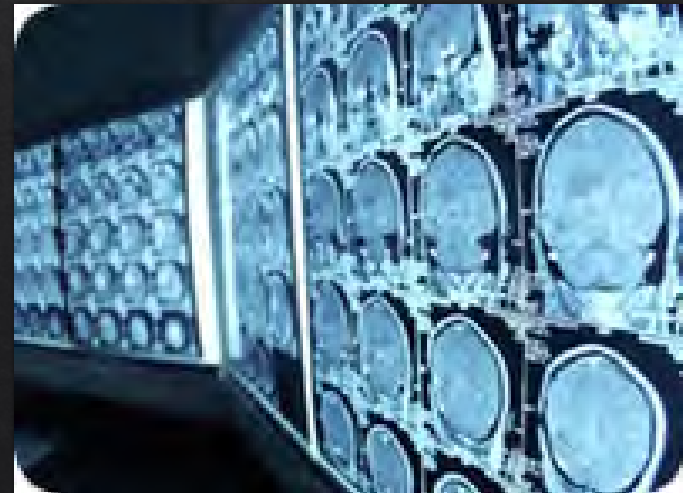
**You Can.  
We Can.  
Together.**



# Yavapai College

## Radiologic Technology Program

- ◆ We are **accredited** by the Joint Review Committee on Education in Radiologic Technology (JRCERT)
  - ◆ Indicates the educational program is **committed to academic excellence!**
- ◆ JRCERT is recognized by the U.S. Department of Education
- ◆ [www.jrcert.org](http://www.jrcert.org)





# Yavapai College Radiologic Technology Program



We do have requirements....



# Background Check Requirement

- ◆ Acceptance into the program is *conditional* until the applicant has completed and has submitted a successful *background investigation*
- ◆ Policy enforcement is due to JCAHO requirements of the clinical facilities



# There are Ethics Requirements:

## **Ethics Requirements**

Admission to or graduation from the Yavapai College Radiologic Technology program does not guarantee American Registry of Radiologic Technologists (ARRT) registration or state licensure. Licensure, certification, and registration requirements and the subsequent procedures are the exclusive right and responsibility of the ARRT and the Arizona Department of Health Services Bureau of Special Licensing.

Students must satisfy the requirements of the ARRT and Arizona Statutes, Rules and Regulations, independently of any college or program requirements for graduation. According to the ARRT, every candidate for certification must “be a person of good moral character and must not have engaged in conduct that is inconsistent with the ARRT Rules of Ethics,” and they must “agree to comply with the ARRT Rules and Regulations and the ARRT Standards of Ethics.”

Individuals with misdemeanor or felony convictions should apply to ARRT for an evaluation of examination eligibility prior to admission to the Radiologic Technology program and may request a pre-application review form by contacting the ARRT at:

<https://www.arrt.org/earn-arrt-credentials/requirements/ethics-requirements>

651-687-0048, ext. 8580

1255 Northland Drive, St. Paul, MN 55120-1155

Students are encouraged to disclose any issues related to the ARRT Rules of Ethics, the ARRT Rules and Regulations, and the ARRT Standards of Ethics at the time of their application or prior to their admission interview. Failure to disclose prior to admission is grounds for withdrawal from the program.

# Immunization Requirements

- ◆ Immunizations are to be completed at the **expense** of the student .
- ◆ Immunization records should be located and **submitted** once you are conditionally accepted.
  - ◆ The immunization list is in the application.
- ◆ There are some basic requirements that will be covered prior to starting the class.
  - ◆ Flu shots





# Physical Requirements

- ◇ Ability to **lift** Patients
- ◇ Reach above your head to move x-ray equipment
- ◇ Ability to spend a significant amount of time standing while moving patients and equipment
  - ◇ Must wear lead-protective apparel during patient care
- ◇ Ability to see and hear clearly
  - ◇ See Technical Standards in the Application Packet



# Performance Requirements

- ◆ Effective oral/written communication skills
- ◆ Work effectively in a team setting
- ◆ Ability to work in a multicultural environment
- ◆ Critical-thinking skills!





# More Performance Requirements



- ◆ Emotional stability and maturity
- ◆ Ability to work compassionately with patients
- ◆ Organize and perform sequentially the individual steps necessary for an x-ray examination

Warning!  
Radiology can have its moments....



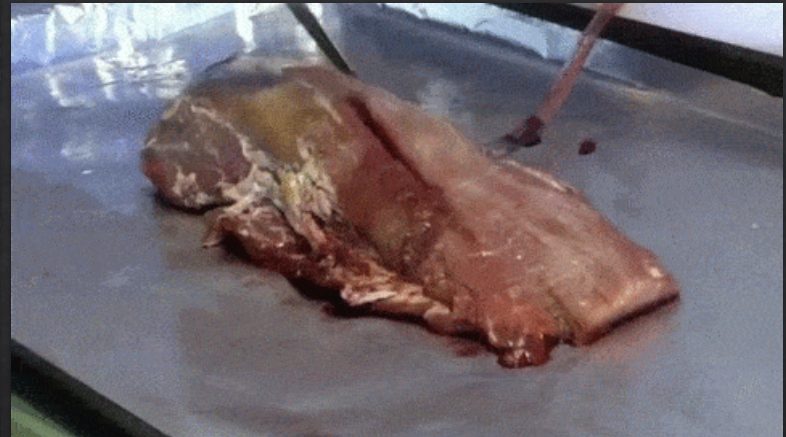


# Other Performance Requirements

## Blood



## Bleeding



The things you'll see....

# Other Performance Requirements

vomit



vomiting



This does happen....



# Other Performance Requirements

vomiting



vomiting



Sometimes, quite often....

...the classes you will take! We cover a lot!!

Note: Holidays and spring break are subtracted from the schedule.



# Radiologic Technology Employment Opportunities

- ◇ *Hospitals*
- ◇ *Out-Patient Clinics*
- ◇ *Physician Offices*

As well as continued  
education in Advanced  
Modalities!

(What were those again?)



# Radiologic Technology Employment Opportunities

**Statistics: There is a need for skilled technologists...**

- ◆ Technologists in **USA** projected employment between 2018 & 2028 is **9%** or 23,300 more jobs
- ◆ In **Arizona**, between 2016 & 2026, projected employment is expected to increase **33%** or 1210 jobs





# Radiologic Technology Fundamental Skills

Skillsets . . . needed for the profession!

- ◈ *Patient Care*
- ◈ *Technical*
- ◈ *Procedural*



# Radiologic Technology Education Didactic

Classroom



...virtual or face to face





# Radiologic Technology Education Clinical

## Affiliated Clinical Sites:

(for your Clinical Education)

- ◇ YRMC- West Campus
- ◇ Prescott Medical Imaging
- ◇ Prescott Valley Medical Imaging
- ◇ YRMC- East Campus
- ◇ Verde Valley Medical Center
- ◇ Verde Valley Medical Imaging Center
- ◇ Flagstaff Medical Center
- ◇ Sedona Medical Center
- ◇ SimonMed
- ◇ Northern Arizona Veterans Administration



# Radiologic Technology Education

## Competency-Based Program

- ◇ This **two-year** program is based on a combination of coursework and evaluation of clinical skills.
- ◇ Students are required to complete a specified number of **clinical competencies** prior to graduation from the program as required by the ARRT (The American Registry of Radiologic Technologists).

### 4.2 Radiography-Specific Requirements

As part of the educational program, candidates must demonstrate competence in the clinical activities identified below:

- Ten mandatory general patient care activities;
- 37 mandatory imaging procedures;
- 15 elective imaging procedures selected from a list of 34 procedures;
- One of the 15 elective imaging procedures must be selected from the head section; and
- Two of the 15 elective imaging procedures must be selected from the fluoroscopy studies section, one of which must be either upper GI or contrast enema.

These clinical activities are listed in more detail in the following sections.



# Radiologic Technology Education Competency-Based Program



Students who do not complete their competencies each clinical semester will receive a failing clinical grade and *will not* be allowed to continue in the program.

# Clinical Rotations

- ◆ Students will be required to **rotate** to a different clinical setting twice semester.
- ◆ Students must have **reliable transportation** to & from clinical rotations.
  - ◆ Note! Each student will rotate to Flagstaff.
- ◆ Students must schedule **travel time** to accommodate child care issues, traffic, etc.





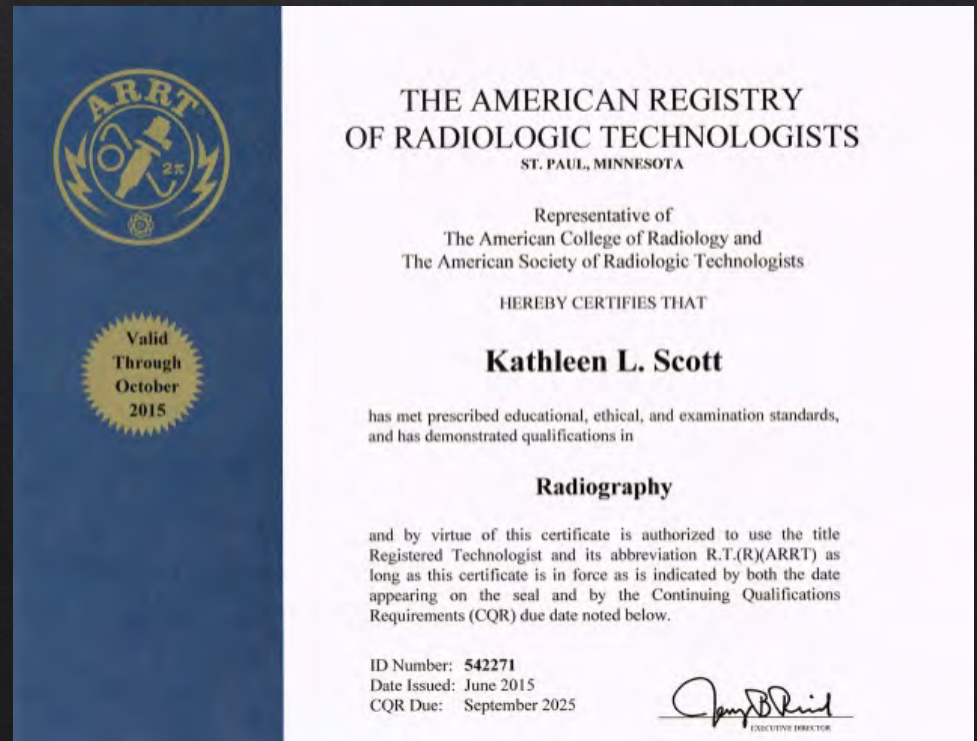
# Work Schedules

- ◇ The radiography **program** is a demanding combination of classroom and clinical study.
  - ◇ *It is advised that students who must work do not exceed a work week of more than 20 hours.*
  - ◇ Calculate for study time
- ◇ Students who do work late hours must be alert for both classroom and clinical courses.



# Grading Scale

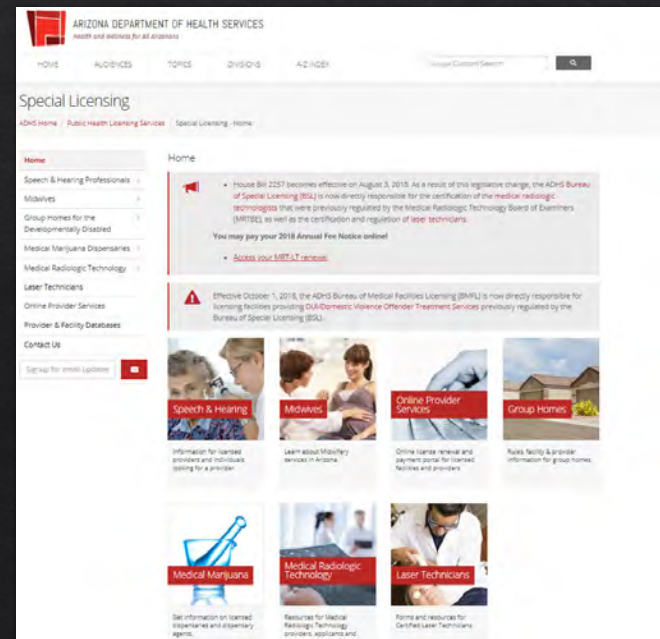
- ◆ Upon successful completion & graduation from the Radiologic Technology Program, students are eligible to challenge the **ARRT Examination**.
- ◆ The ARRT minimum passing score is **75%**
  - ◆ Mock exams...  
....yes, we do those!





# License and Certifications

- ◇ American Registry of Radiologic Technologists (ARRT)
- ◇ National Boards
- ◇ Arizona Department of Health Services, Bureau of Special Licensing, Medical Radiologic Technology
- ◇ State Licensing



# Radiologic Technology Scholarships!

- ❖ Community Healthcare Scholars
- ❖ Dr. George S. Naifeh, Jr. Endowed Scholarship
- ❖ Robert Altmanshofer Scholarship

Make sure to apply!!





# Yavapai College

## Radiologic Technology Program

That concludes our  
information session!

Program updates  
can be found on our  
website:

[www.yc.edu/rad](http://www.yc.edu/rad)

Your RadTech Team,  
*Shellie, Amber & Sandy*



*Please follow the instructions on the last slide  
for Attendance Verification!!*

# Attendance Verification

- ❖ Click on link and answer all questions.



<https://yc.jotform.com/202827035092047>

- ❖ Make sure to include your Name, Email, & Phone Number
- ❖ Must be completed by 11:59pm PST tonight!
- ❖ If you have additional questions, let us know!
  - ❖ Email Sandy at [Sandra.carney@yc.edu](mailto:Sandra.carney@yc.edu)



*Thank you for your attendance and interest in our program & profession!*