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A Survey Based Study Reviewing the Career Opportunities for Students in RT



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Abstract

Recent graduates lack the knowledge of many career opportunities there is after earning a RT certification. The purpose of this study is to investigate how much knowledge student have as a student becomes certified for RT. This study will also represent RT workers experience as in today. Questionnaires will be spread to the students in order to determine the level of knowledge of career opportunities they have in the career. The in-depth questions will target the career options in the radiology field; they also will include questions that ask for the age and demographics of students forming the part of the survey. Surveys are going to be analyze and converted to excel in order to compare students' knowledge also include techs experience when earning a certification as for a new modality in medical imaging.

Introduction

After completing the RT certification studies requirements, students will be eligible for many more career opportunities. Career opportunities in medical imaging are growing and have a significant impact on the workforce. However, there is little theoretical knowledge of how people perceive or make decisions about various medical imaging career opportunities. The career opportunities that a radiographer has are the following: Mammography (M), Computer Tomography (CT), Bone Densitometry, Interventional Radiography (IV), and even Sonography. (ARRT)

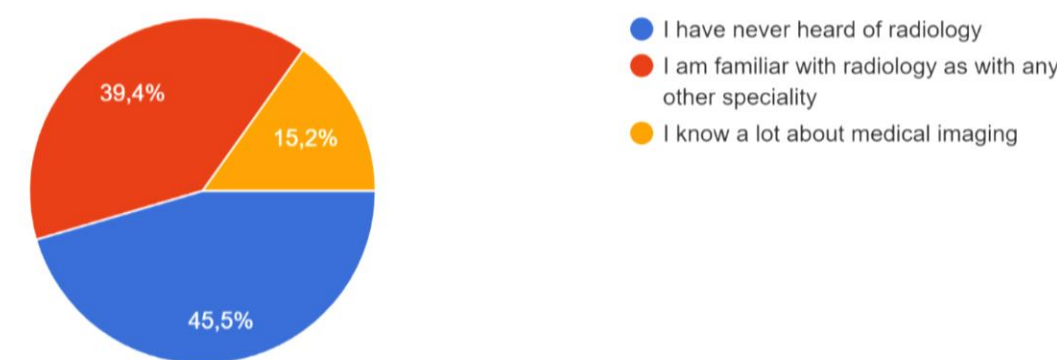
Career Opportunities after RT certification stated by ARRT

- ☉ Mammography (M)
- ☉ Computed Tomography (CT)
- ☉ Magnetic Resonance Imaging (MRI)
- ☉ Bone Densitometry
- ☉ Cardiac Interventional Radiography (IR)
- ☉ Vascular Interventional Radiography (IR)
- ☉ Vascular Sonography
- ☉ Breast Sonography (requires credentials in Radiography and Mammography)
- ☉ Radiologist Assistant

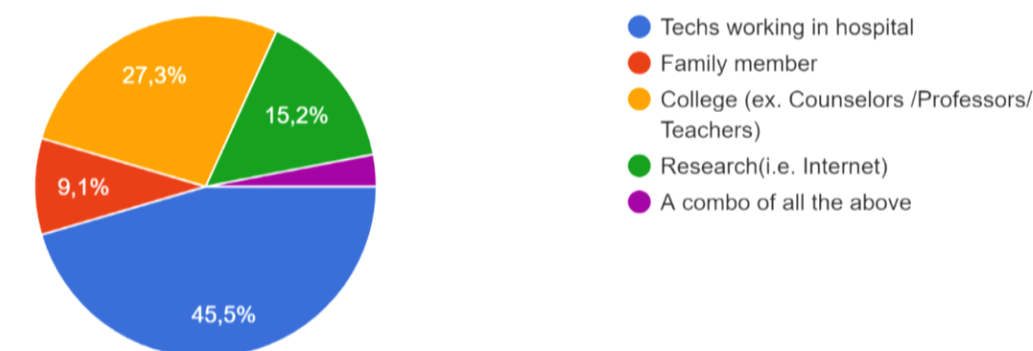
Student & Future Technologist Results

One of the questions for Students, was states as " Before Applying to the radiology program, how much did you know about the speciality? ". Most students (45.5 %), voted that they have never heard of radiology before applying to the radiology program. This means that people don't know much about what a radiology technology is, which also that includes their career opportunities.

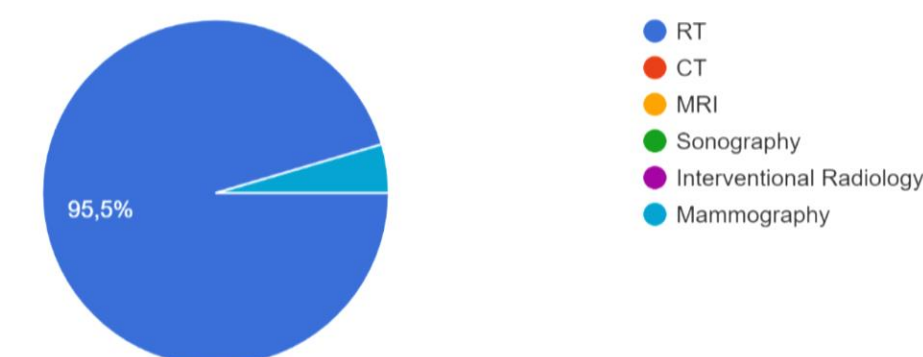
Before applying to radiology program, how much did you know about the speciality radiology? 33 respuestas



How have you learn about other medical modalities? 33 respuestas

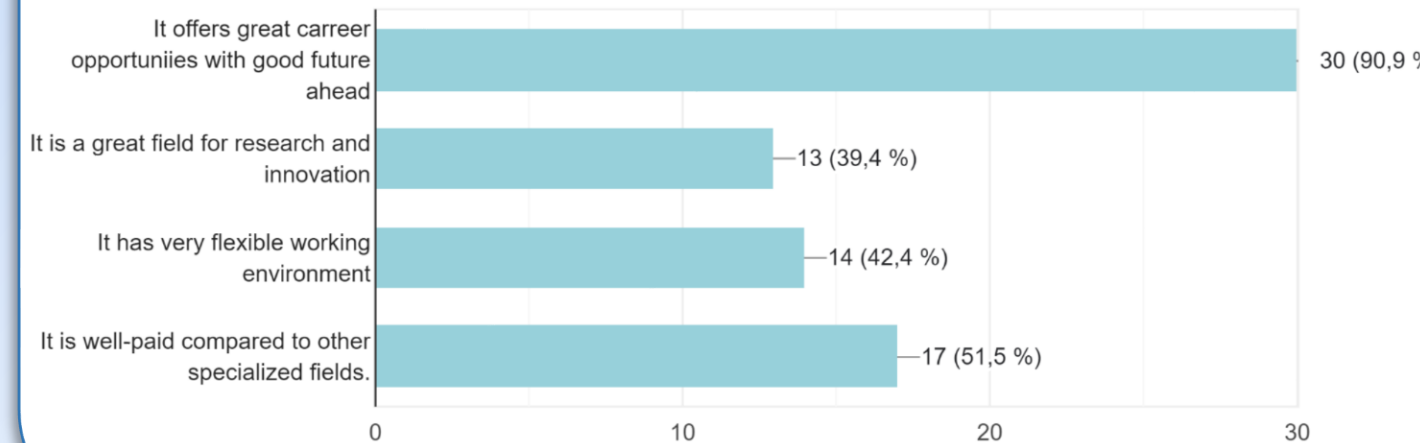


Which program did you complete? 22 respuestas



Another question was represented, which is stated as "How do you perceive radiology as a medical field?" Most students choose, " It offers great career opportunities with a good future ahead." Also, a question that most caught my attention is the question that states, " How have you learned about other medical modalities?" Most votes were a quantity of 45.5 of techs working in hospitals. Students, after they start their clinical rotation, they start asking techs what the best possible way to earn other medical modalities is, and that's how they go forward with their education.

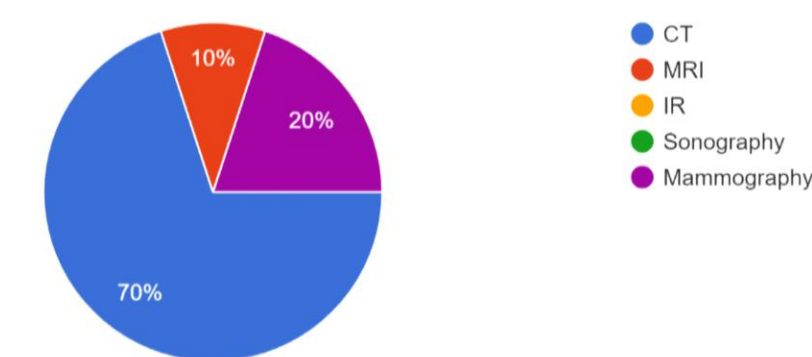
How do you perceive radiology as a medical field? (select all that apply) 33 respuestas



Radiology Techs' Results

Most Technologists are certified as RT before completing a second modality. A 95.5 percent of techs chose that they started as RT certified before getting another certification. Only 50% of the techs that voted decided to extend their field to try a new modality. Only three modalities were chosen, which were CT (70% of votes), Mammography (20% of votes), and MRI (10% of votes).

What other certification do you have? 10 respuestas



Methodology

The present survey aims to investigate the attitudes of medical imaging students toward selecting medical imaging career opportunities and how much knowledge they know. A survey-based cross-sectional study was conducted Questionnaire was designed using Google forms. Also, links were converted to QR codes so it can be easier for students to scan and answer questions correctly. The questionnaires were displayed through flyers and even by the use of online links to know how much knowledge students know about other career opportunities besides RT.

Also, there were surveys for the actual technologist working in hospitals today and their experience on what career opportunity they have taken after earning the RT certification working today in hospitals. Google forms were converted to graphs and were used for analysis after the data were entered into a Microsoft Excel Worksheet. Frequencies, percentages, means, and standard deviations were used to record the results.

Conclusion

In conclusion, Future technologist and current student interested in the medical imaging field must complete their research beforehand. After RT, here are many career opportunities, such as Mammography, CT, MRI, IR, and Sonography. There are refer as post primary eligible pathways, as the ARRT website states. Even though most RT techs in NYC have chosen CT as a career opportunity, each student should choose their career opportunity for what their heart wants the most.

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