

# Planning 10 Career Research Project



**Radiologist**

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**FOCUS AREA:**

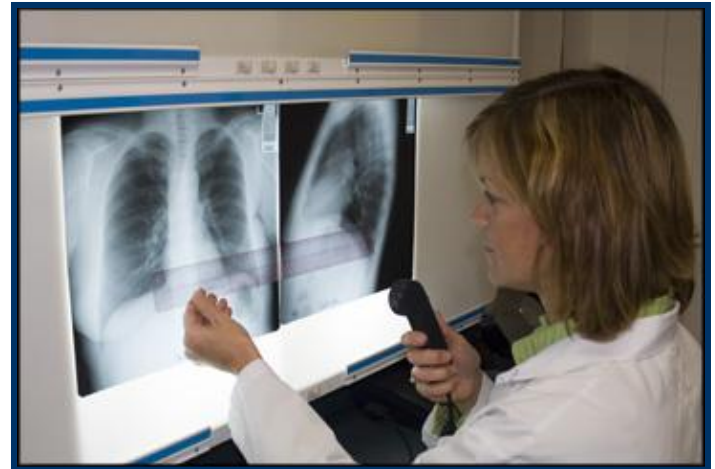
**Health and Human Services**

# Occupation Description (Radiology)

- a) A typical day for the worker
- b) Impact of technology on the Occupation
- c) Hazards to health and safety
- d) Percentage of men Vs. women
- e) Employment outlook

## a) A typical day for the worker:

- Radiologist examines the patients, obtains medical history and diagnose illness based on the x-rays.
- He also recommends additional medical tests or treatments for the patient if necessary.
- Radiologist mostly work inside in their clinic.
- Sometimes radiologist work together with other physicians in order to use all information and tools while they diagnose their patients.



## b) Impact of technology on the Occupation

- The technology has a great impact on radiology.
- It has helped the doctors to deal with the patients problems easily.
- The new technology has also helped the doctors to diagnose, treat and cure serious diseases.



## c) Hazards to health and safety

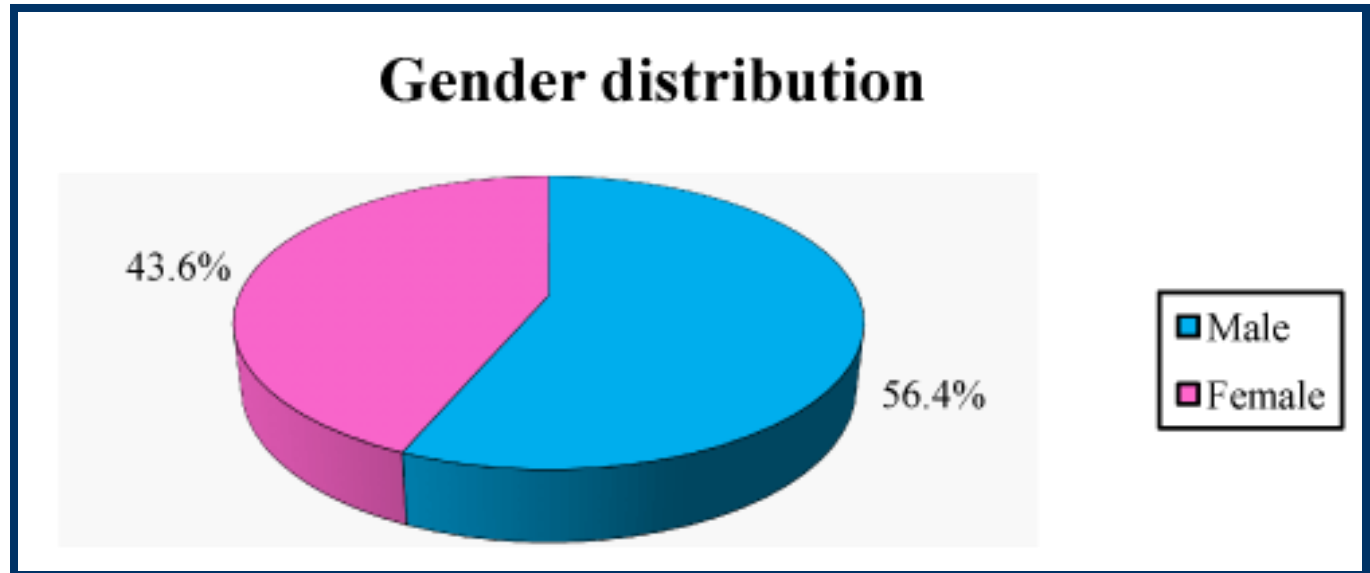
- There is a risk of being exposed to the radiation.
- One can protect oneself from it by using proper safety equipments.



Safety Gear

## d) Percentage of men Vs. women

- In this occupation, more men work as compared to women .
- 56.4% of Radiologists are men and 43.6% are women.



## e) Employment outlook

- It is expected that the number of job opportunity for Radiologists will increase 22% from 2008-2018.
- The reason for this growth is increasing population and expansion of healthcare industry.
- In the following years general physicians will find more employment opportunity but a low-income.



# List Of Local Companies

1.

## Peace arch Hospital

15521 Russell Avenue  
White Rock, B.C .

604-531-5512

3.

## False Creek Health Center

6th Floor – 555 West  
8th Ave, Vancouver,  
B.C.

2.

## Provincial Health Services Authority

700-1380 Burrard St  
Vancouver, B.C.

604- 675-7400

5.

## Trillium Talent Resource Group,

2nd Floor, 5050  
Kingsway, Burnaby,  
BC,

4.

## BC Cancer Agency

600 W 10th Avenue,  
Vancouver BC

604-877-6000



# Personal Qualifications

- a) **Physical Qualities**
- b) **Other Personality traits**

## a) Physical Qualities

- Keen observation.
- Ability to work long sitting hours
- Likes challenges



**Good Eyesight**

## b) Other Personality traits

- Comprehensive understanding of human biology.
- Should be technically savvy.
- Highly focused.

# Post Secondary Preparation

- a) Necessary qualifications**
- b) Place of training**
- c) Courses one can take**
- d) Entry requirements for training**
- e) Duration of training**
- f) Cost per semester**

## a) Necessary qualifications

- Completion of Bachelor's degree with 90 credits.
- Minimum of 75% marks in the Bachelor's Degree.

## b) Place of training

### 1. University Of Northern British Columbia

Medicine (MD)

### 2. University Of British Columbia (UBC)

Medicine (MD)

### 3. University Of Victoria

Medicine (MD)

### 4. University of Alberta

Medicine (MD)



## c) Courses one can take

- *Anatomy*
- *Biochemistry*
- *Family Practice*
- *Health Care and Epidemiology*
- *Health Sciences*
- *History of Medicine*
- *Interdepartmental*
- *Medical Genetics*
- *Medicine*
- *Microbiology*
- *Obstetrics and Gynaecology*
- *Ophthalmology*
- *Orthopaedics*
- *Paediatrics*
- *Pathology*
- *Pharmacology and Therapeutics*
- *Physiology*
- *Psychiatry*
- *Radiology*
- *Surgery*

## d) Entry requirements for training

- Final grade of 70% and above in English, including provincial exams in grade 11 or 12.
- Graduation from high school with a minimum average of 70%.
- An applied language in grade 11 (exceptions on specific conditions)

### ● Grade 11

Completion of high school  
courses :

- English 11
- Language 11
- Mathematics 11
- Physics 11 and Chemistry 11
- Social Studies 11

### ● Grade 12

Completion of high school  
courses :

- English 12
- Pre-Calculus 12 (minimum 67%)
- One of Biology 12, Chemistry 12, Geology 12, or Physics 12



## e) Duration of training

- It takes 3-4 years for completing BSc (Bachelor Of Applied Science).
- And it takes 4 years to complete MD (Doctor of Medicine).
- Further it takes 2 more years to the Residency i.e. practicing years.

## f) Cost per semester

### **Educational costs (Full first-year course load)**

Tuition Fee	\$16,082
Student Fee	\$982
Books	\$3165
<b>Educational costs subtotal</b>	<b>\$20,229</b>

## Task 5:

# Unionization and Practicing Regulations

- a) Are the workers in this occupation a part of a union?
- b) Laws or special regulations controlling practicing in the occupation.

## a) Are the workers in this occupation a part of a union?

- No the worker in radiology are not a part of a union but they have many associations.
- One of them is Canadian Association of Radiologists ( CAR) .

## **b) Laws or special regulations controlling practicing in the occupation.**

- To practice Radiology one needs license to practice medicine in Canada
- Its governing Body is :  
Medical Council Of Canada (MCC)

# Advancement Opportunity

## Level 1

The Resident

### Earning:

\$41,000 to \$74,000 a year

### Requirements:

- Bachelor's degree
- Graduate degree in medicine
- Accepted into a radiology residency program

## Level 2

Diagnostic Radiologist

### Earning:

\$125,000 to \$250,000 a year

### Requirements:

- Completion of residency program
- Certified by the Royal College of Physicians and Surgeons of Canada
- Licensed by your province or territory.

## Level 3

Chief of Radiology

### Earning:

\$250,000 to \$500,000 a year

### Requirements:

- Many years of experience as a radiologist
- Record of excellence as a medical researcher and Teacher.
- Several published articles in scholarly journals.

# Salary and Benefits

- a) Average annual earning for the ones entering the occupation.**
- b) Average annual earning for an experienced worker**
- c) Other Benefits one can get**

## a) Average annual earning for the ones entering the occupation.

- In the **first year** of residency in the radiology department of a hospital one can earn between \$41,000 and \$53,000.
- This amount increases with each additional year in the residency.
- A **fifth-year** resident can earn around \$58,000 to \$74,000.



## **b) Average annual earning for an experienced worker**

- A fully qualified specialist physicians (which includes radiologists) can earn between \$100,000 and \$400,000 a year.

## c) Other Benefits one can get

- A Radiologist enjoy some of the highest salaries of all physicians.
- In addition to the salaries the radiologists also receive other benefits such as pension plans, dental coverage, and life insurance.

## Task 8:

# How to get started towards the occupation

- a) Helpful extracurricular activities and hobbies.
- b) Helpful part-time or volunteer jobs.

## a) Helpful extracurricular activities and hobbies.

- One can have drawing as a hobby because it is helpful for making diagrams.
- Knowledge about new technology.

## **b) Helpful part-time or volunteer jobs.**

- Doing volunteer work in hospitals and other medical environments can help in getting admission in the medical schools or the university.

# Conclusion

- a) Advantages and Disadvantages of the occupation**
- b) Do I have the skills and talents required?**
- c) The new things I learned about the occupation**
- d) What I like about this occupation and why?**
- e) What I don't like about this occupation and why?**
- f) What is the likelihood of me entering this occupation and why?**

## a) Advantages and Disadvantages of the occupation

### Advantages:

1. One becomes a member of the elite group of intellectuals.
2. Opportunity to serve humanity.
3. Good earnings.

### Disadvantages:

1. There's a lot of competition in this job
2. The job can be stressful sometimes.
3. One mainly works on machines.

## b) Do I have the skills and talents required?

- I think I have all the skills in me required to be a Radiologist.
- I have interest in new immerging technology.
- I am highly focused and likes challenges.
- I have a keen observation.
- I am really good at drawing.



## c) The new things I learned about the occupation

- I learned the requirements needed for getting admission in the medical school for doing the related program.
- I also learned the qualities required which are needed.
- I learned the responsibilities a radiologist have.

## d) What I like about this occupation and why?

- I get the opportunity to serve the humanity.
- I become a member of the elite intellectual group.
- Job satisfaction.

## e) What I don't like about this occupation and why?

- One has to do a lot of sitting work on computers.
- There might be stress sometimes.
- There is a risk of being exposed to radiation.

## f) What is the likelihood of me entering this occupation and why?

- I think can become a radiologist because I have passion, dedication and commitment to achieve it.
- This also suits my nature and bent of mind.
- Till now I am getting required credentials and try my best to maintain it in future.

# Bibliography

## Information:

- <http://www.careercruising.com/>
- [http://www.ehow.com/info\\_7754387\\_disadvantages-being-radiology-technician.html](http://www.ehow.com/info_7754387_disadvantages-being-radiology-technician.html)
- [http://wiki.answers.com/Q/What\\_is\\_the\\_job\\_outlook\\_for\\_radiologists](http://wiki.answers.com/Q/What_is_the_job_outlook_for_radiologists)
- <http://www.car.ca/en/standards-guidelines.aspx>
- <http://www.jobdescriptions.net/health/radiologist/>

## Pictures:

- <http://www.parmahospital.org/Radiology/>
- <http://www.proprofs.com/quiz-school/story.php?title=vet-cde-equipment-and-materials>
- <http://2vancouver.com/en/articles/an-overview-of-universities-in-vancouver-canada>
- <http://university-canada.net/Doctoral-Undergraduate/UBC/UBC.html>
- <http://mymedicalpursuit.blogspot.ca/2011/06/radiology-shadowing.html/>

**THANK YOU**

