

## **Assignment: Focus of Science, Technology, Society and the Environment: Medical Technology**

There are many medical technologies that medical professionals use to diagnose, study, treat, and cure diseases affecting body systems.

These techniques range from X-rays to organ transplants.

[FYI: X-rays were discovered by Wilhelm Conrad Rontgen in 1895, he was the first to recognize their medical use for skeletal imaging when he saw an image of his wife's hand formed by X-rays.

In 1964, Dr. James D. Hardy transplanted the heart of a chimpanzee into a human. The heart stopped beating after 90 minutes, and the man died. It was the first instance of a heart transplant involving a human.]

*(Note: Canadian scientists are responsible for the theory of plate tectonics, the invention of the cardiac pacemaker, the discovery of insulin, and the concept of standard time.)*

Developments in medicine and medical technology can have social and ethical implications.

Using a specific medical technology you or people you know have experienced, answer the following questions.

Describe the nature of the medical technology and

State if you have positive or negative feelings about this technology.

What benefits and risks are associated with the medical technology you have described above.

Explain how the medical technology you have described affects society.

You may use point form or a tabular form to answer the above questions

Remember to record the bibliography, the web address as a reference and any other resources that you may have used.