

University of Hertfordshire **UH**

7COM1085 – Research Methods

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“What I love about Science is that as you learn, you don’t get answers. You just get better questions.” – John Green

Research question:

- 1) What is the possible way/method to investigate (e.g. by human tissue scanning) some of the fatal disease that might ascend in a patient, once they are totally recuperated from novel corona-virus?

Considering today’s pandemic and advancement of the topic ‘Computer Vision’, I see many possible questions related to covid-19. However, it is possible that once a patient is recovered, he/she might develop certain symptoms of some other diseases that might make it difficult for the patient to be completely healthy. There is a fair chance that the disease could be lungs related.

If we use either tissues or conduct a biopsy within a certain time interval, process them using some software and computer vision technology, good results can be certainly obtained. Such results can be compared with someone who never had corona-virus and if there are any differences which are obtained then, the patient could further go for a full body check-up in order to find out any abnormalities if any.

Getting antibodies of a particular virus could save a patient from being susceptible to other related diseases. However, it is also paramount that you cannot be certain that you are going to be healthy. Developing an amalgamation of Computer Vision and Machine Learning algorithms, generation of certain tool is possible where just by taking small medical test, a patient can be saved from a deadly disease.

The outcome is to find out about medical health and save people from suffering with a disease at much earlier stage, where the diagnose (of any severe medical condition if any) helps to take medications and save lives.

References:

Zobel, J 2015, Writing for Computer Science, Springer, London. Available from: ProQuest Ebook Central. [8 July 2020].