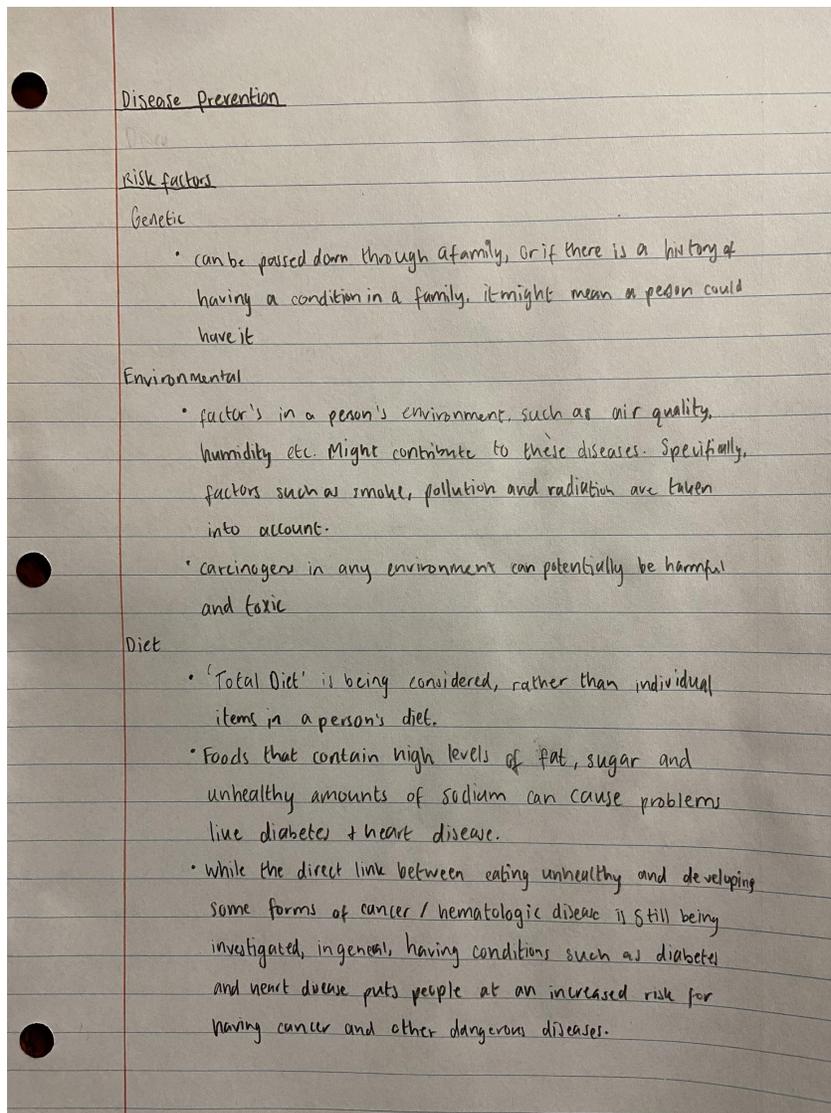


Product Progress Assessment

My final product is going to be a mock experiment, which will test the effectiveness of preventative measures taken against hematologic conditions. So far, I have not been able to talk with my mentors about the final product, but when we meet on a mentor visit, I will speak with them and confirm this project. So far I have been doing research about preventative measures, and I also wrote a rough draft of an Abstract for my mock experiment. When I speak with my mentors, even if I end up changing some parts of the project, the efforts I am making in research as of now will not be futile, since I will be using the research I have done either way.

The first part of my research I will talk about are the assessments I wrote after conducting secondary research. I tried to find articles based on cancer/hematologic disease prevention, and after I had done assessments each week, I wrote down the information in my notes. I thought that this way I would be able to collectively group my thoughts together.

These are the notes I took:



As you can see in the picture, I divided my notes into three categories that I focused most of my preliminary research on. After I grouped it in this way, I realized that I could also divide my mock experiment into three main categories for risk factors, which would be genetics, environment, and diet. Next, I started writing a rough draft for the beginning parts of my experiment, including the purpose and abstract.

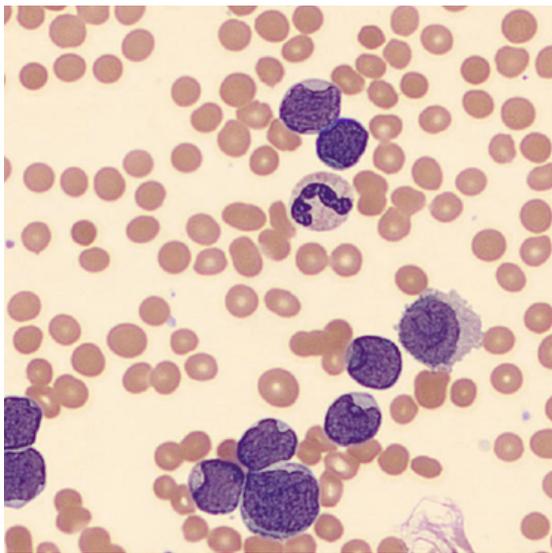
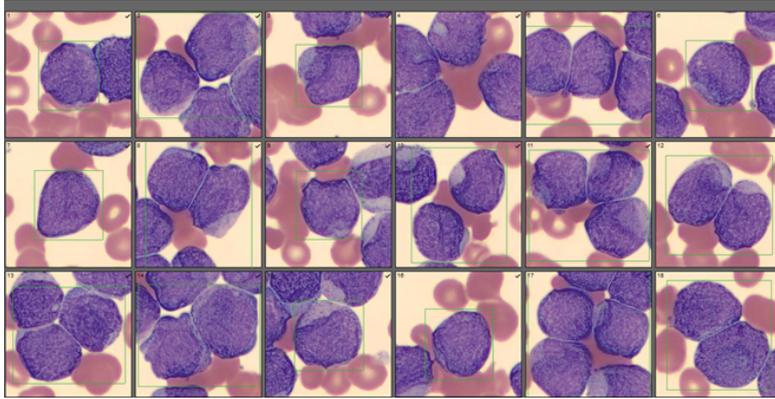
This is part of my rough draft of the ‘purpose’:

Cancer and hematologic diseases are very dangerous, and they impact so many people. In recent years, the amount of cancer patients and deaths from cancer has only gone up. Cancer is one the leading causes of death in the world. By evaluating prevention methods to ensure that people can be as safe and healthy as possible, we can minimize the risks people might face in developing cancerous and hematologic diseases. This would help people be more aware of their lifestyles, and help in preventing dangerous health problems.

I have not completed the abstract draft, but I am currently working on it. Also, this is part of another document called the Final Product Rough Draft, but I have not embedded it as it is not yet complete.

Another thing is the diagrams and graphics I have used from my assessment articles. I used these to take notes and collect observations, and here are some of the images:

	Patient Results	Reference Range
WBC	323.79	4.5-10.5 x 10 ³ /μL
RBC	2.98	4.2-5.8 x 10 ⁶ /μL
Hgb	9.3	13.5 -16.5 g/dl
Hct	28.5	40-49.0%
MCV	95.6	80-100 fl
PLT	43	150-450 x 10 ³ /μL
IANC	0.57	1.6-8.40 x 10 ³ /μL
ESR	97	0-9 mm/hr



The purple images are of blasts, from a patient's diagnosis of a form of non-M3 AML, Acute myeloid leukemia. I also have some notes of this case study that I did, but I have not included it yet as I still have questions to ask my mentors about it. Once I am able to better understand this information, and the blasts after speaking to my mentors, I will include the notes I took on this case study. Additionally, I was thinking that I may use this case study as a piece of evidence in my mock experiment, as a patient testimony of AML.

Once I get more information from my mentors about my notes, and we have talked over and confirmed this final product, I will proceed with making the questions, objectives and hypothesis parts of my experiment.