Case Study Report

# For this assignment you will be working in teams as research assistants, lab technicians and geneticists to diagnose a patient with a genetic disease. After reviewing your patient vignette, your patient’s family history, their blood work, and performing a urinalysis lab; you will come up with a medical diagnosis for your patient and write a report.

# Your Case Study Report will include the following:

# Section 1: **Introduction and review of genetics** (think about paragraph one of Celebrity baby lab…) this should be 2-4 paragraphs and include a *comprehensive* look at how traits are inherited from parent to offspring.

# Section 2: **An overview of what your patient is experiencing**. Please include any relevant information and observations you are seeing from the “patient vignette”, “Family History”, Urinalysis lab, and patient Blood work.

# Section 3: **The final diagnosis of your patient based on the information above**, AND analysis of observations and lab results. This section is based on ***research*** and should be 4 paragraphs that include citations from relevant sources.

# Section three should explain the following…

# How you came to diagnose the patient with their disease

# What is causing the disease

# How the patient inherited the disease

# How the disease is affecting the patient, and what treatment the patient needs moving forward.

# You will be working in groups of 3-4, and you will take on the following roles:

# **Research Assistant:** Curating a list of sources to use in your final research, and helping to structure section 3 of the report

# **Lab Technician**: Directing the Urinalysis lab and getting accurate results for Section two of the report

# **Geneticist**: Structuring section one of the report, making sure academic vocab requirements and concept mastery is being met based on the rubric.

# Day 1:

# Gather the folder for DAY 1

# Read the PATIENT VIGNETTE and FAMILY HISTORY

# Read through the curated articles & supporting evidence to determine what further tests need to be done

# Fill out the “Day 1” sheet and turn into WYNN by the end of the period

# NO INTERNET RESEARCH TODAY! Consult your notes and the genetics library for information

# Day 2:

# Get your Day 1 sheet back from WYNN

# Gather your folder for DAY 2

# Read through the expectations and procedures for the urinalysis lab

# Perform the Urinalysis Lab and Read over Blood Work.

# Read through the genetics library and other forms of internet based research to collect evidence that helped you make a diagnosis

# Fill out the proposed diagnosis and get it checked by WYNN

# Start to finalize your report. Include any relevant diagrams, lab results, pictures or pieces of evidence!

# **REPORT DUE ON GOOGLE CLASSROOM BY 11:59 PM February 25th. MLA FORMAT**

# **See google classroom and weebly for resources and examples.**