Select a topic related to Immunohematology either from the list or one of interest to you. Submit your suggestion to me. Once you have selected your topic determine which aspect of it you would like to report on. Will it be diagnostic testing, current research, serological aspects, etc. You determine the grade you wish to earn on this project based on the grading scale below.

Instructions:

1. You must visit and print out information from 3 to 5 different internet sites. Remember, ACC has access to full-text periodical and reference databases. The sites will be evaluated for legitimacy, ie, scientific sites versus informational sites. Scientific sites are preferred.
2. Highlight or underline the sentences which contain the focus of your search project.
3. Write a 3-5 page (double spaced) paper using a 12 point Times-Roman font, and one inch margins about your topic based on the information you have found.
4. Submit report and sites with a cover sheet (see sample cover sheet requirements). The cover sheet DOES NOT count as a page in your report. Your Name, Date, Course Title, Instructor Name, Title of Search and list of URLs for sites visited (see sample cover sheet requirements). ALL INFORMATION MUST BE PRESENT.
5. This assignment is worth 100 points to be added to the lecture grade. The expectation is a quality, college level research paper. If you have difficulty researching your topic work with the library staff as they have the knowledge and skills to guide and teach you Internet research methods.

Grading:

1. The sites visited must be from a reputable source and must contain quality information about your topic. Points will be deducted if the page(s) contain minute amounts of information unless the information presented is of a unique nature not found at other sites.

   Number of sites:
   - 3 sites = 5 points
   - 4 sites = 10 points
   - 5 sites = 15 points

2. Quality of site: Poor = 1 point, Average=2 points or Excellent=3 points=15 points
3. Highlight or underline key points of article = 10 points
4. Use of key points of Internet sites to write summary = 15 point
5. Proper formatting of report and number of pages, COVER PAGE DOES NOT count:
   - 3 pages = 5 points
   - 4 pages = 10 points
   - 5 pages = 15 points

6. Quality of written summary, including spelling, punctuation & grammar = 25 points
7. Cover page (DOES NOT COUNT AS A PAGE) addresses all criteria presented on example page = 5 points
8. Total possible = 100 points
Suggested topics: You are not limited to this list, any relevant Immunohematology topic will be considered. Beside each topic I’ve identified some areas to focus your search on, you don’t need to address all points listed, this is just to help you define your search.

1. Donor Screening process-purpose, newest concerns in screening, % of donors deferred and reason, new tests being employed to screen including principle and clinical significance.
2. Crossmatch techniques-AHG, IS, vs computer crossmatch, gel testing
3. Antibody detection and identification-methods used, advantages-disadvantages
4. Transfusion reactions-Most common, most severe, symptoms, how to handle, SHOT, prevention of sepsis in platelet transfusion.
5. Hemolytic disease of the fetus and newborn - blood group antibodies involved, symptoms, treatment for the different ones.
6. Autoimmune hemolytic anemias-how they are diagnosed/treated
7. Drug induced hemolysis-how they are diagnosed/drugs which cause hemolysis
8. Component therapy-use and indications for the different types of components
9. Source and use of the substances which stimulate erythropoeisis and granulocytopoiesis
10. Bone Marrow Transplants-auto vs allo, protocol involved in actual transplant
11. Stem cell transplants
12. Use of umbilical cord blood in transplantation
13. Transplantation of solid organs-blood bank considerations
14. Transfusion transmitted diseases-HIV, Hepatitis, Chagas Disease, malaria, etc. How frequently does it occur, how is transmission prevented.
15. Exchange transfusion-indications and protocols for adults vs infants.
17. Shortage of Rh Immune Globulin-why is there a shortage, how are they increasing production.
18. Use of apheresis donors for platelets-selection, time for donation, advantages
19. Sickle cell disease and transfusion- background on the disease, transfusion triggers, therapy
20. Immunomodulation due to transfusion-define, advantages-disadvantages.
21. Living Donor Kidney transplants-reason for transfusing patient with blood from donor prior to transplant.
22. TRALI-Transfusion Related Acute Lung Injury
23. Molecular testing in Immunohematology
24. Artificial blood
Sample Cover Sheet

(Course Title)

(Instructor Name)

(Title of Search)

(Graphic - Optional)

Your Name
Date

List of Sites Visited with URL