AGENDA for 05/20/14

- AGENDA:
  1. 4.4.2: Heart Disease Interventions

- OBJECTIVES:
  1. Assess risk of heart disease
  2. Design a heart disease intervention plan

- HOMEWORK:
- Due **Thurs, 05-22**
  1. 4.4.2 Activity Packet

- 4.4.2 Online Quiz:
  – Is opened
  – Closes **Thurs, 05-22 at 11:59 pm**

Directions for Today

- Continue working on 4.4.2
- 4.4.2 Packet is due Thurs, 05-22, the next time this class meets
- E-mail me the link to your Prezi presentations (make sure you add me as a ***VIEWER***)
- Further directions are on the website
- 4.4.2 Online Quiz is opened already, closes Thurs, 05-22
- Unit 4 Exam is Thurs, 05-29

4.4 Key Terms

1. Angiogram
2. Angioplasty
3. Coronary Bypass
4. Heart Attack
5. Heart Disease

6. Metabolic Syndrome
7. Risk Factor
8. Stenting
9. Stroke

Essential Questions for 4.4.2

4. What are risk factors for the development of heart disease?

5. How can a person decrease his or her risk of heart disease?

6. What is metabolic syndrome?

4.4.2 Activity Objectives

1. Explore factors that increase or decrease the risk of heart attack or associated coronary disease

2. Design a heart disease intervention plan for an assigned patient

4.4.2 Activity Checklist

1. 4.4.2. Heart Disease Risk Factors (NB)   4
2. 4.4.2. Calculating Risk Factors (NB)   8
3. 4.4.2. Patient Plans (NB)   6
3. 4.4.2. Patient Plans (case file)
4. 4.4.2. Patient Plans (Prezi presentation)   30
5. 4.4.2. Conclusion Questions (NB)   4

Total = 52

4.4.2. Activity Directions

4.4.2. Heart Disease Risk Factors (NB)

1. Refer to curriculum file for more detailed instructions

2. Refer to steps 1-2

3. What you need for this part:

    a) Open a *4.2.1. Anna Garcia's Medical History* handout.

    b) In your NB, make a table listing the factors that would increase and decrease the risk of heart disease

4.4.2. Calculating Risk Factors (NB)

1. Refer to curriculum file for more detailed instructions
2. Refer to steps 3-11
3. What you need for this part:
   a) Label this in your NB as **CALCULATING RISK FACTORS**.
   b) Go to the site: http://www.heart.org/HEARTORG/Conditions/HeartAttack/HeartAttackToolsResources/Heart-Attack-Risk-Assessment_UCM_303944_Article.jsp
   c) Follow the step-by-step guide in the curriculum file
   d) In your NB, include:
      1. Notes on each risk factor (steps 6 and 7)
      2. Definition of *metabolic syndrome* (step 9)
      3. Updated findings on Anna Garcia's death, and recommendations for a change in lifestyle (step 11)
   e) Print the final Heart Attach Risk Assessment report for Anna Garcia (1 copy per person)

4.4.2. Patient Plans (NB)

1. Refer to curriculum file for more detailed instructions

2. Refer to steps 13-16

3. What you need for this part:

   a) Label this in your NB as ***PATIENT PLANS***

   b) Obtain the Project 4.4.2 Resource Sheet. Find out which patients (2 each group) you are assigned (on 4.4.2 Groups file on website)

   c) In your NB, make a table listing the factors that would increase and decrease the risk of heart disease

   d) Refer to the website used for Anna Garcia's Heart Risk Assessment to calculate the risk for your 2 patients.

   e) Print out the report for each patient (1 per person)

4.4.2. Patient Plans (case file)

1. Refer to curriculum file for more detailed instructions
2. Refer to steps 17-19
3. What you need for this part:

    a) Label 2 manila file folders **CASE FILE FOR** _____(patient's name for each)

    b) The curriculum file has further and more detailed instructions. Please refer to it for clarification. See rubric for scoring guidelines.

    c) Each person in the group takes on the role of a heart-related health care professional. One must be a _cardiologist_. The other(s) may choose any other professional relevant to this project (refer to past career journals).

    d) Include in each file folder for each patient **_from each professional_**:

        1. Outline of medical issues and risk factors from narrative paragraph
        2. Diagnosis of patient based on risk factors
        3. Discussion of lifestyle factors in treatment and prevention
        4. Outlined, detailed plan for patient
        5. Recommendations for possibly necessary medical procedures and medication
        6. Schedule for post-intervention testing and goals

    e) In your case file folder, evidence that each person in the group taking on the role of their respective professionals must be present (notes, memos, post-its, and any other relevant documents).

4.4.2. Patient Plans (Prezi Presentation)

1. Refer to curriculum file for more detailed instructions
2. Refer to step 20
3. What you need for this part:
   a) Make a Prezi account if you do not have one
   b) Give everyone access (username and password). Make an account just for your group if you are not comfortable sharing this information
   c) Make a Prezi presentation about your medical plan for **1** of your patients. Include:
      1. Patient's risk factors, modifiable and nonmodifiable
      2. Detailed recommended plan to deal with each modifiable risk factor
      3. Recommendations for medical procedures and/or medications if necessary
      4. Plan for how you plan to monitor and evaluate the patient for a 5-year period (include goals for blood pressure, cholesterol levels and fitness like weight)
      5. Email Mr. Hwang a link to your Prezi (as a _Viewer_)

4.4.2. Conclusion Questions

1. How does smoking relate to risk of heart attack and atherosclerosis?
2. Explain why metabolic syndrome is so dangerous.
3. Which risk factors for heart disease are also risk factors for the development of diabetes?
4. Outline at least three ways Anna Garcia should have modified her life to treat her medical conditions.
5. Outline the rationale a doctor should use for deciding whether or not to put a patient on blood pressure or cholesterol lowering medications.
6. Explain the role that stress can play on the development of disease. Describe at least three strategies or interventions a person could employ to control stress.
7. Describe how each professional researched in this activity may have helped diagnose, treat or counsel Anna Garcia.