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| The University of Jordan School of NursingChildren and Adolescent Health Nursing (theory)0703303B – Sickle cell disease (SCD) |
| Purpose  | The purpose of this assignment is to promote the students skills of knowledge acquisition through self-study and team work.  |
| Description  | The students, in a team work approach, are expected to refer to a variety of assigned readings, resources, and teaching tools to answer the assignment questions. All readings, resources, and teaching tools are posted for the students online at the e-learning website of the course. The students should submit the assignment on e-learning page of the course or in a hard copy form by 23ed of April, 2017. Late submissions will not be accepted.  |
| Specific intended learning outcomes  | The students are expected to achieve the following outcomes:1. Distinguish between various types and classifications of SCD
2. Describe the mechanism of inheritance of SCD
3. Relate the pathophysiology to SCD to its clinical manifestations
4. Demonstrate understanding of the rational of therapies of SCD in children
5. Outline the nursing care of children with SCD
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| Teaching tools and Materials:  | 1. Hockenberry, M. J., Wilson, D., & Wong, D. L. (2012). *Wong's Essentials of Pediatric Nursing9: Wong's Essentials of Pediatric Nursing*: Elsevier Health Sciences.
2. Rees, D. C., Williams, T. N., & Gladwin, M. T. (2010). Sickle-cell disease. *The Lancet, 376*(9757), 2018-2031.
3. Video: Sickle cell anemia - causes, symptoms, diagnosis, treatment & pathology
4. (Azzeh, 2016): <http://www.jordantimes.com/news/local/pre-marital-medical-check-test-sickle-cell-anaemia%E2%80%99>
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| Question 1. (1Mark) | Define the meaning of: Heterozygote SCD:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Homozygote SCD or SS:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Question 2. (1.5 marks) | Explain the reason of the occurrence of each of the complications in SCD children:1. Anemia and Jaundice :
2. Acute Pain Crises:
3. Acute Chest Syndrome:
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| Question 3. (1.5 Marks) | 1. What are the main objectives of SCD therapeutic Management:
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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| Question 4. (1)  | What is the rational of the following therapeutic treatments of SCD in children:1. Regular blood transfusion : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Hydroxyurea: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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| Question 5. (0.5 Marks) | The Prevalence rate of SCD in Jordan is: ( %) |
| Question 6. (4.5 marks) | Refer to Page 879 of your text book (Hockenberry & Wilson, 2014) and outline: 1. Seven (6) nursing care interventions to decrease or eliminate the child’s experience of pain and

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