b

by Y A

Submission date: 17-Mar-2021 02:34PM (UTC-0700)
Submission ID: 1535643799
File name: discussion_2.docx (13.15K)
Word count: 327
Character count: 1801

Discussion 2

The symptoms that Marie is experiencing are most definitely due to Aplastic anemia. According to Bacigalupo (2017), aplastic, anemia is characterized by fatigue, shortness of breathing, pale skin, rapid and irregular heart rate, unexplained and easy bruises, nosebleeds, skin rash, dizziness, fever, headaches, and frequent and prolongs infections. The symptoms include exposure to radiation that results in aplastic anemia, which is the damage of the stem cells that are responsible for the production of blood cells (Bacigalupo, 2017). Blood transfusion is the most appropriate for the treatment of the condition since it is not yet acute. Blood transfusion is responsible for providing the body with blood cells that the stem cells are unable to produce. Receiving red blood cells helps to raise the red blood cell count to help relieve anemia. Platelets help to prevent excessive bleeding.

Since Marie is A negative, she can receive blood from O negative individuals since O negative is a universal donor. Marie can also receive blood from A negative person since the same blood type are always compatible. Marie can, however, not receive blood from A positive, A negative, B positive, B negative, O positive, AB positive, and AB negative since they are not compatible with A negative. Identifying the blood type of an individual and the blood that is compatible with the types is important in preventing hemolytic transfusion reactions in the patients (Hosseini-Motlagh, Samani & Homaei, 2020). When people receive blood of a different type that is not compatible, it results in the immune system's reaction, which can be life-threatening. Therefore, it is to ensure the compatibility tests are conducted to help identify the blood type of the patient.

References

Bacigalupo, A. (2017). How I treat acquired aplastic anemia. Blood, 129(11), 1428-1436.

Hosseini-Motlagh, S. M., Samani, M. R. G., & Homaei, S. (2020). Blood supply chain management: robust optimization, disruption risk, and blood group compatibility (a real-life case). Journal of Ambient Intelligence and Humanized Computing, 11(3), 1085-1104.

b

ORIGINALITY REPORT

10%	5%	0%	9%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	www.bloodbankindia.net Internet Source	5%
2	Submitted to Ain Shams University Student Paper	5%

Exclude quotes	Off	Exclude matches	Off
Exclude bibliography	Off		