

Case Study Set 1: Donor Screening

Name _____

20 Points

MLAB 2431 IMMUNOHEMATOLOGY Case Studies #1: Donor Screening

For each of the following cases answer the questions as completely as possible, especially with reason for deferral. *Use your lecture notes, laboratory exercise and textbook as references.*

1. During the oral history the potential donor admitted to having been in a malarial endemic country. All other health history questions were answered in an acceptable manner.
- a. Should this donor be deferred? **(Circle one)** **YES** **NO**
- b. What is the deferral time for this situation?
- c. What is the reason for the deferral time?
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2. An 65 year old male admitted to having used IV drugs one time at the age of 16. All other health history questions were answered in an acceptable manner.
- a. Should this donor be deferred? **(Circle one)** **YES** **NO**
- b. What is the deferral time?
- c. What is the reason for the deferral time?
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3. A blood donor answered questions concerning risk factors for HIV and Hepatitis B in a negative manner. There is no history of cancer or heart problems. The donor does admit that he took the drug pituitary growth hormone (pit-hGH) as a child. After additional questioning it was determined that the growth hormone was of human origin.
- a. Should this donor be deferred? **(Circle one)** **YES** **NO**
- b. What is the deferral time for this drug?
- c. What is the reason for the deferral time?
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4. A blood donor has responded in an acceptable manner to the health history questions. When questioned about medications the donor states that he was taking Accutane. Upon further questioning he states that he has been off this medication for 3 months.
- a. Should this donor be deferred? **(Circle one)** **YES** **NO**
- b. What is the deferral time for this drug?
- c. What is the reason for deferring donors taking Accutane?
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5. During questioning a donor admits that her husband is a hemophiliac who occasionally must take clotting factors to control his condition.
- a. Should this donor be deferred? **(Circle one)** **YES** **NO**
- b. What is the deferral time for someone in this situation?
- c. What is the reason for deferral?

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

Based on the following results of these physical exams:

- a. decide whether the donor should be accepted or rejected as a blood donor.*
b. State the reason for deferral and
c. State the acceptable value which should have been obtained for donor acceptance.
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6. General Appearance: **Very calm**
Weight: **Exceeds 110 pounds**
Temperature: **99.4 F**
Blood Pressure: systolic **179 mm Hg**, diastolic **80 mm Hg**
Hemoglobin: **11.5 g/dL**
Pulse: **75 beats/minute**
Skin at venipuncture site: **Free of lesions and "track" marks.**
- Accept (circle one): **YES** **NO**
Reason(s) for deferral? **INCLUDE ACCEPTABLE NORMAL VALUES.**

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7. General Appearance: **A little nervous, but not excessively so**
Weight: **exceeds 110 pounds**
Temperature: **98.6 F**
Blood Pressure: systolic **200 mm Hg**, diastolic **110 mm Hg**
Hemoglobin: **14.5 g/dL**
Pulse: **150 beats/minute**
Skin at venipuncture site: **Free of lesions and "track" marks.**

Accept (circle one): **YES NO**

Reason(s) for deferral? **INCLUDE ACCEPTABLE NORMAL VALUES.**

8. General Appearance: **Obviously inebriated (drunk)**
Weight: **95 pounds**
Temperature: **97.5 F**
Blood Pressure: systolic **120 mm Hg**, diastolic **82 mm Hg**
Hemoglobin: **13.5 g/dL**
Pulse: **82 beats/minute**
Skin at venipuncture site: **Free of lesions and "track" marks.**

Accept (circle one): **YES NO**

Reason(s) for deferral? **INCLUDE ACCEPTABLE NORMAL VALUES.**

9. General Appearance: **Very calm**
Weight: **greater than 110 pounds**
Temperature: **102.3 F**
Blood Pressure: systolic **115 mm Hg**, diastolic **79 mm Hg**
Hemoglobin: **15.8 g/dL**
Pulse: **75 beats/minute**
Skin at venipuncture site: **Free of lesions and "track" marks.**

Accept (circle one): **YES NO**

Reason(s) for deferral? **INCLUDE ACCEPTABLE NORMAL VALUES.**

10. General Appearance: **very calm**
Weight: **greater than 110 pounds**
Temperature: **98.1 F**
Blood Pressure: systolic **139 mm Hg**, diastolic **94 mm Hg**
Hematocrit: **38%**
Pulse: **91 beats/minute**
Skin at venipuncture site: **Free of lesions and "track" marks.**

Accept (circle one): **YES NO**

Reason(s) for deferral? **INCLUDE ACCEPTABLE NORMAL VALUES.**
