

Name _____

**MLAB 2461 Clinical II
IMMUNOHEMATOLOGY**

Activity 17: Determination of RhIg Candidacy and Selection of Donor Units

"NA" in any result column means "not applicable" (not done) for this particular situation.

1.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
O positive	anti-E	3+	O negative	anti-E

a. Is this mother is an RhIG candidate.

b. Explain why she is or is not a candidate.

c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

2.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
O negative	Negative	1+	A negative	anti-A

- a. Is this mother is an RhIG candidate.
- b. Explain why she is or is not a candidate.
- c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

3.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
B negative	Immune anti-D	Neg	B negative	N/A

- a. Is this mother is an RhIG candidate.
- b. Explain why she is or is not a candidate.
- c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

4.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
A negative	anti-K, -Jk ^a , and -E	4+	A positive	anti-K

a. Is this mother is an RhIG candidate.

b. Explain why she is or is not a candidate.

c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

5.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
AB negative	passive anti-D	1+	B positive	anti-D

a. Is this mother is an RhIG candidate.

b. Explain why she is or is not a candidate.

c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

6.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
A negative	Immune anti-D,-E, & -C	4+	O positive	anti-D and -E

- a. Is this mother is an RhIG candidate.
- b. Explain why she is or is not a candidate.
- c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

7.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
O negative	Anti-Fy ^a	3+	O negative	anti-Fy ^a

- a. Is this mother is an RhIG candidate.
- b. Explain why she is or is not a candidate.
- c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

8.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
B negative	Anti-C	3+	O weak D undetermined (pos D & D ctrl)	anti-C

a. Is this mother is an RhIG candidate.

b. Explain why she is or is not a candidate.

c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

9.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
O negative	Anti-Le ^a	1+	A positive	anti-A

a. Is this mother is an RhIG candidate.

b. Explain why she is or is not a candidate.

c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.

10.

Mother		Baby		
Type & Rh	Antibody Screen/Panel	DAT	Type and Rh	Elution Results
AB negative	Negative	Neg	A Negative	NA

- a. Is this mother is an RhIG candidate.
- b. Explain why she is or is not a candidate.
- c. State the ABO/D type of the donor unit (including special antigen requirements) to use should this infant need an exchange transfusion.