Initial Data:

HW, a 76-year-old female of European ancestry, was admitted with acute gastrointestinal bleeding. The patient could recall no history of transfusion but reported having five pregnancies resulting in three live births and two stillborn infants. All births were at home and there was no prenatal testing with any of the pregnancies. No serologic records were available.

The physician ordered three units of Red Blood Cells (RBCs) to be transfused as soon as they were available. Initial serologic testing results were as follows:

ABO and RH Typing:

Forward (Cell) Typing			Reverse (Serum) Typing	
Anti-A	Anti-B	Anti-D	A_1 Cells	B Cells
4+	0	4+	0	4+

Antibody Detection Test (Screen):

	RH						MNS				LU		P	Lewis		Kell		Duffy		Kidd		Gel Test
	D	C	E	c	e	f	M	N	S	s	Lu^a	Lu^b	P_1	Le^a	Le^b	K	k	Fy^a	Fy^b	Jk^a	Jk^b	IAT
1	+	+	0	0	+	0	+	+	+	+	0	+	+	+	0	0	+	+	0	0	+	0
2	+	0	+	+	0	0	+	0	+	0	0	+	+	0	+	+	+	+	+	+	0	2+
3	0	0	0	+	+	+	0	+	0	+	0	+	0	0	+	0	+	0	+	+	+	w+

Antibody Identification Panel 1:

	RH						MNS				LU		P	Lewis		Kell		Duffy		Kidd		Gel Test
	D	C	E	c	e	f	M	N	S	s	Lu^a	Lu^b	P_1	Le^a	Le^b	K	k	Fy^a	Fy^b	Jk^a	Jk^b	IAT
1	+	+	0	0	+	0	+	+	+	+	0	+	0	+	0	0	+	+	0	0	+	0
2	0	0	0	+	+	+	+	0	+	0	0	+	+	0	+	+	+	+	+	+	0	2+
3	0	0	0	+	+	+	0	+	0	+	0	+	+	0	0	+	0	0	+	0	+	2+
4	+	+	0	0	+	0	+	0	+	+	0	+	0	0	0	0	+	+	0	+	+	0
5	0	0	+	+	+	+	+	+	0	+	0	+	0	0	+	0	+	0	+	0	+	w+
6	0	+	0	0	+	0	+	+	0	+	0	+	+	0	0	+	+	+	+	+	+	2+
7	+	0	+	+	0	0	0	+	0	+	0	+	0	0	+	0	+	0	+	+	0	1+
8	0	0	0	+	+	+	+	0	+	0	0	+	+	0	+	0	+	+	0	0	+	0
9	+	+	0	+	+	+	+	+	0	+	0	+	+	+	0	0	+	+	0	+	0	0
10	+	0	+	+	0	0	0	+	+	+	0	+	+	+	0	0	+	+	+	+	0	1+
11	+	0	0	+	+	+	0	+	0	0	0	+	+	0	+	0	+	0	0	+	+	0
AC																						0