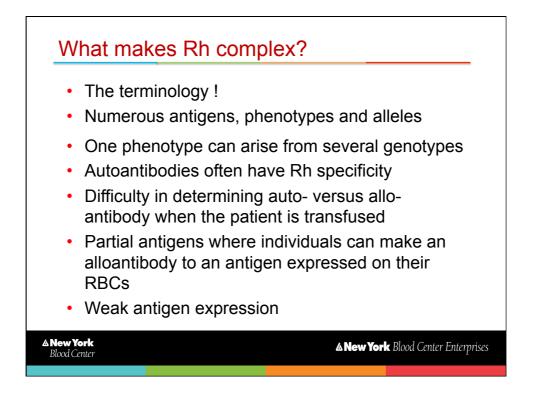
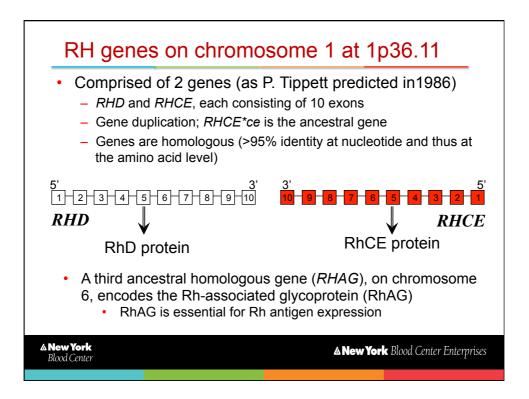
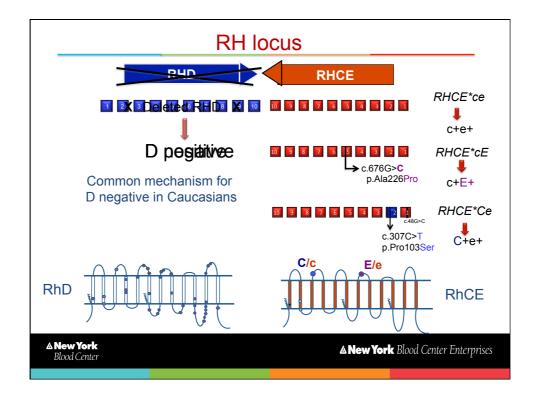
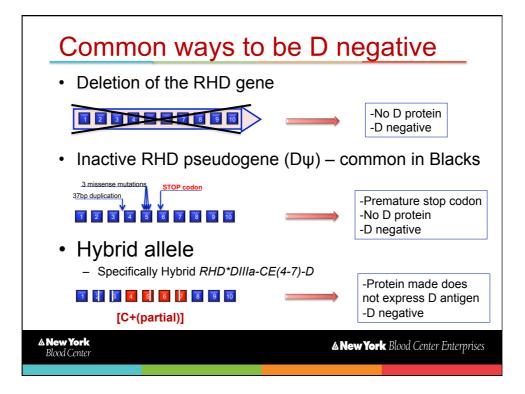


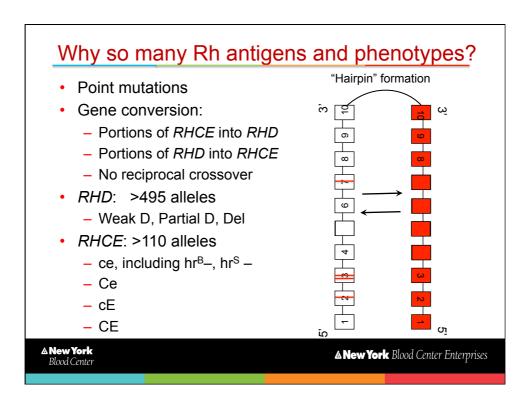
ISBT # / Name	Preva- lence	ISBT # / Name	Preva- lence	ISBT # / Name	Preva- lence	ISBT # / Name	Preva- lence
RH8 / C ^w	Low	RH26 / c-like	Poly	RH39 / Rh39	High	RH51 / MAR	High
RH9 / C ^X	Low	RH27 / cE	Poly	RH40 / Tar	Low	RH52 / BARC	Low
RH10 / V	Low	RH28 / hr ^H	Low	RH41 / Rh41	Poly	RH53 / JAHK	Low
RH11 / E ^w	Low	RH29 / Rh29	High	RH42 / Rh42	Low	RH54 / DAK	Low
RH12 / G	Poly	RH30 / Go ^a	Low	RH43 / Crawford	Low	RH55 / LOCR	Low
RH17 / Hr $_{\circ}$	High	RH31 / hr ^B	High	RH44 / Nou	High	RH56 / CENR	High
RH18 / Hr	High	RH32 / Rh32	Low	RH45 / Riv	Low	RH57 / CEST	High
RH19 / hr ^s	High	RH33 / Rh33	Low	RH46 / Sec	High	RH58 / CELO	High
RH20 / VS	Low	RH34 / Hr ^B	High	RH47 / Dav	High	RH59 / CEAG	High
RH21 / C ^G	Poly	RH35 / Rh35	Low	RH48 / JAL	Low	RH60 / PARG	Low
RH22 / CE	Low	RH36 / Be ^a	Low	RH49 / STEM	Low	RH61 / CEVF	High
RH23 / D ^w	Low	RH37 / Evans	Low	RH50 / FPTT	Low	RH62 / CEWA	High
updates see		-		d by antigens bec	•		

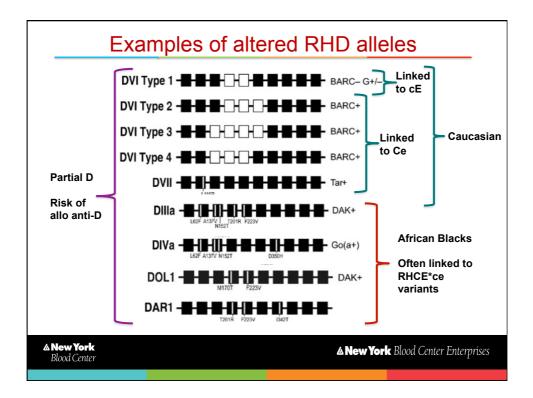


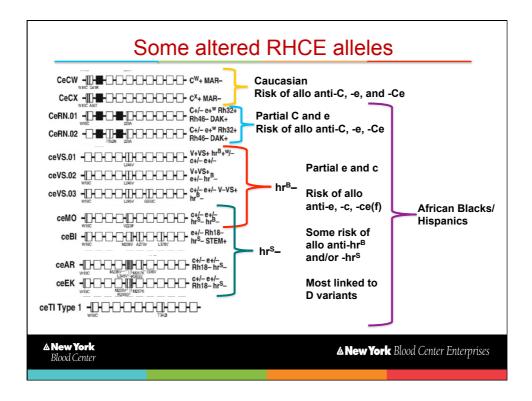


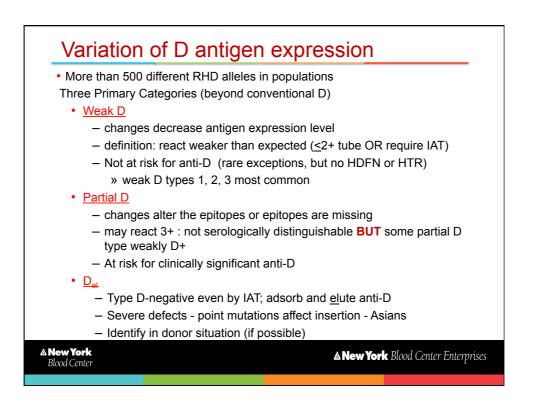


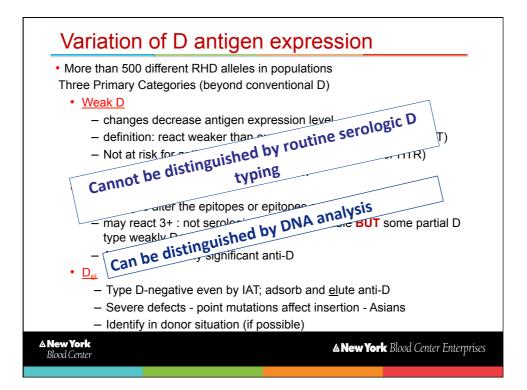


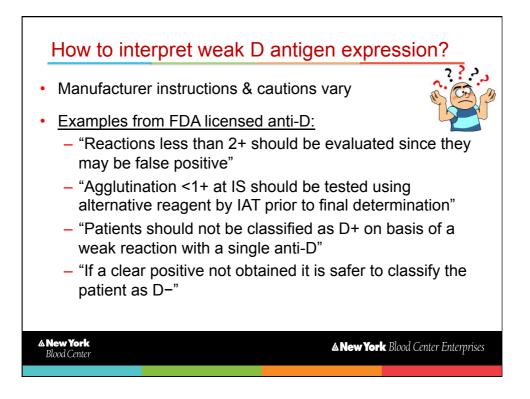


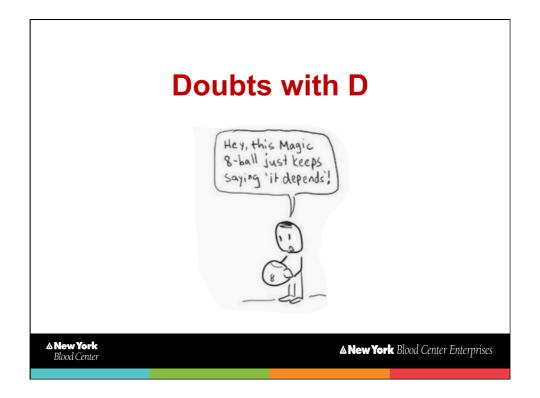






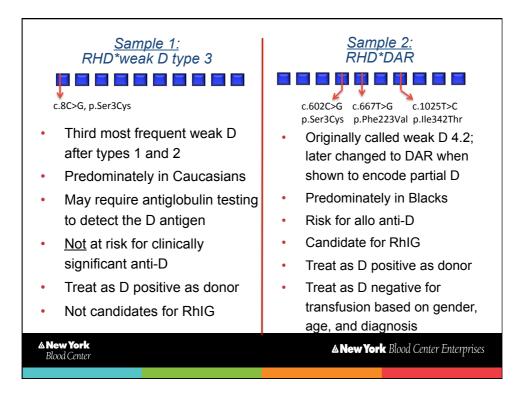


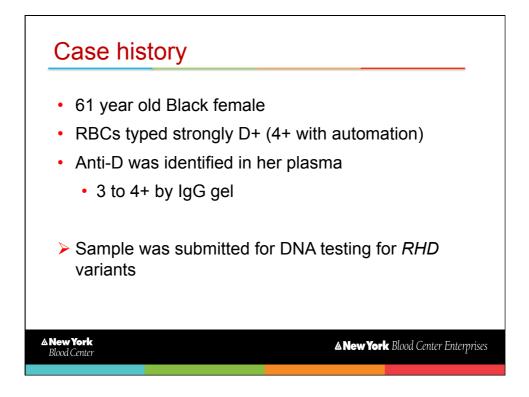


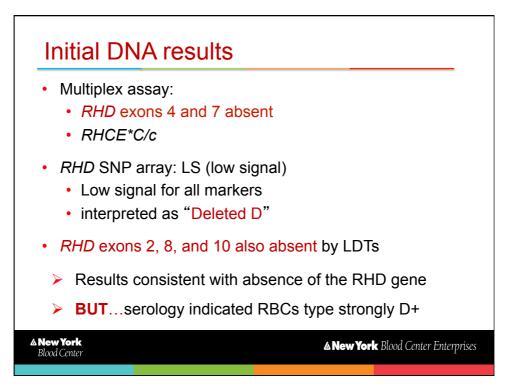


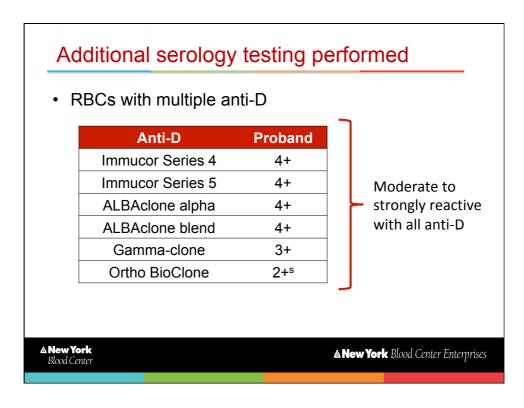
RBCs	Patie	unt 1	Patie	ant 3	רו
Anti-D	IS	IAT	IS	IAT	Both still wea
Reagent 1	Micro+	4+	1+ ^w	3+	with similar
Reagent 2	1+ ^w	4+	1+	2+	reactivity
Reagent 3	1+ ^W	4+	1+	2+]
Reagent 4	1+ ^W	3+	1+	3+	
Result ent Transfusio	try into cor on recomm nd age of t	mputer system nendation/ the patient	stem and RhIG adn	patient re	

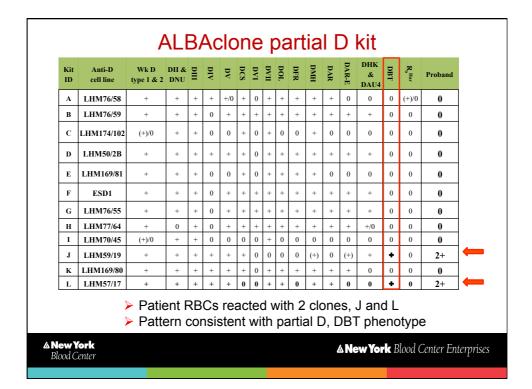
	Testing options for <i>RHD</i> (and <i>RHCE</i>)				
SNP a	rrays:				
•	Common red cell antigens, including few RHCE variant markers				
 RHD – targets many hybrid alleles and alleles associated with weak and partial D 					
•	RHCE – targets many variant c, e, C, and E alleles				
Lab de	veloped assays (LDTs):				
•	Multiplex PCR: RHD exons 4 and 7, inactive RHD ψ , and C/c				
RHD zygosity					
•	RHD exon 8 for 1136C>T (DAU alleles)				
 RHCE exon 2 for 254C>G (RHCE*ce254G), exon 4 (RHCE*CeRN), and exon 6 (silenced RHCE*cE). 					
•	Presence/absence of exons and Gene sequencing				
RNA-based versus DNA based testing					
• Detect new, rare, or hybrid alleles or link changes to specific allele					
▲ New York Blood Cente	A New York Blood Center Philerorises				

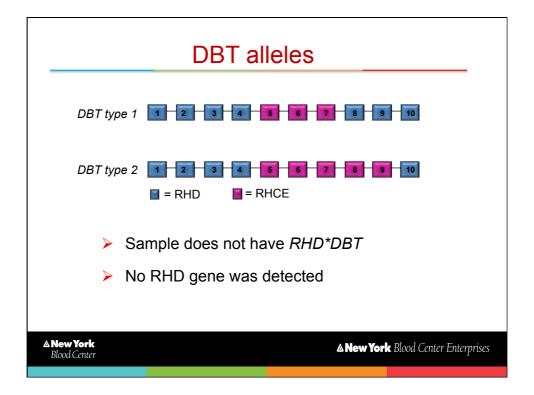


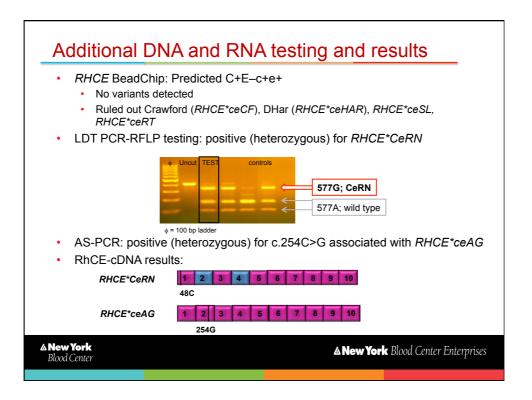


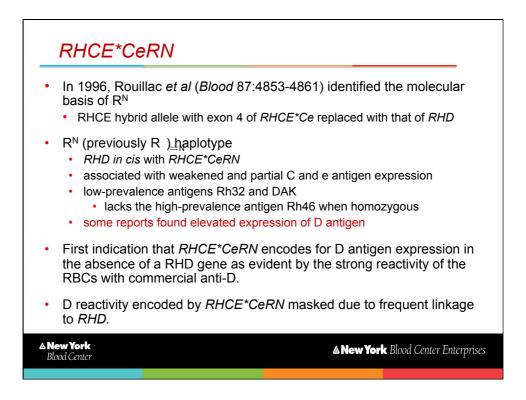


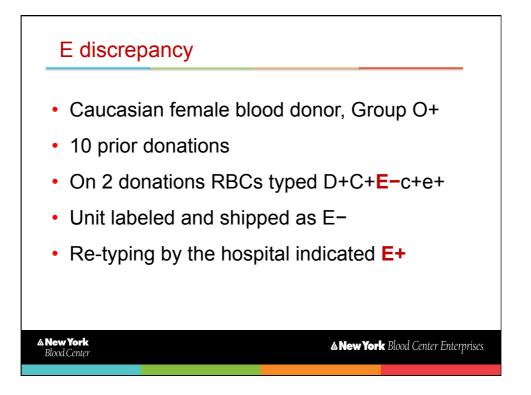




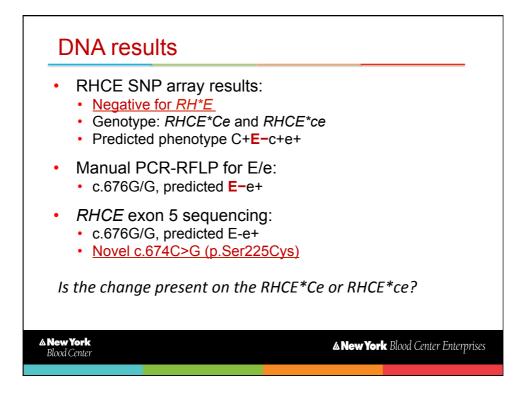


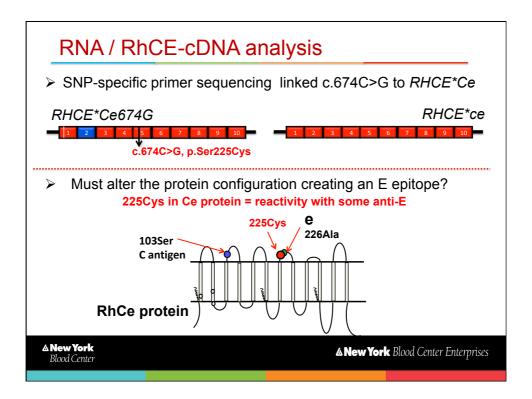


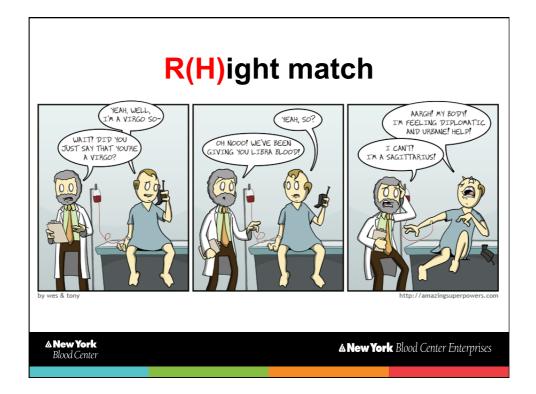


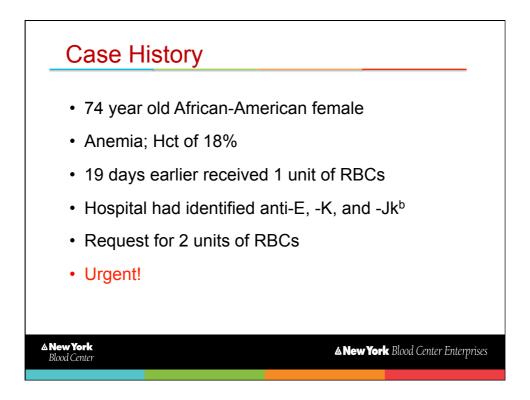


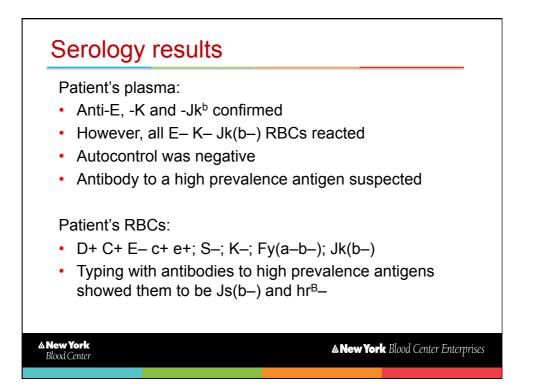
	our sources ly reactive witl	n two		
	Gamma clone (GAMA402)	SeraClone (MS60/12)	ALBA clone (DEM1)	In-house polyclonal
			_	
Donor RBCs	4+	4+	2+ ^{mf}	very weak
	our sources			
			2+ ^{mt} Immucor Series I (MS12)	very weak In-house polycional
	OUR SOURCES	Immucor	Immucor Series I	In-house

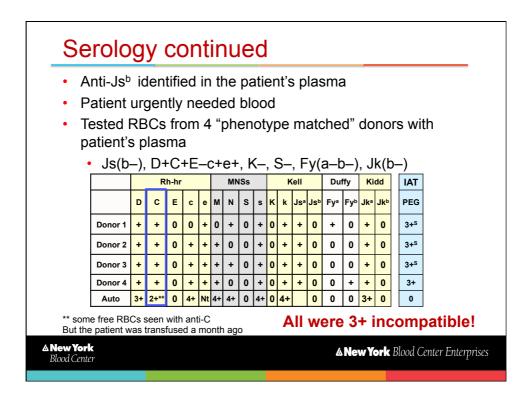


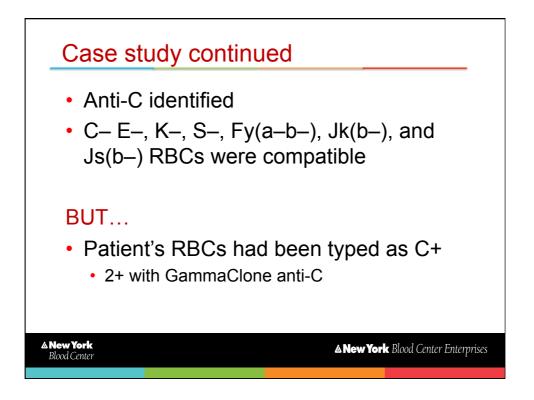


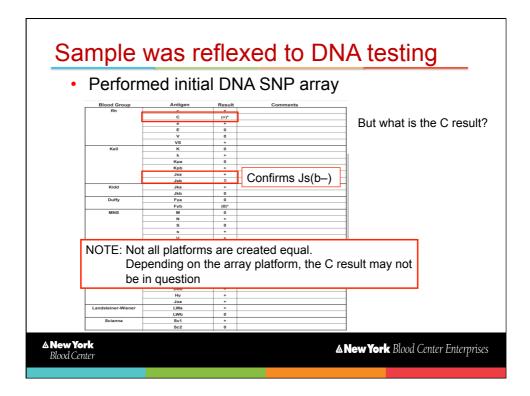


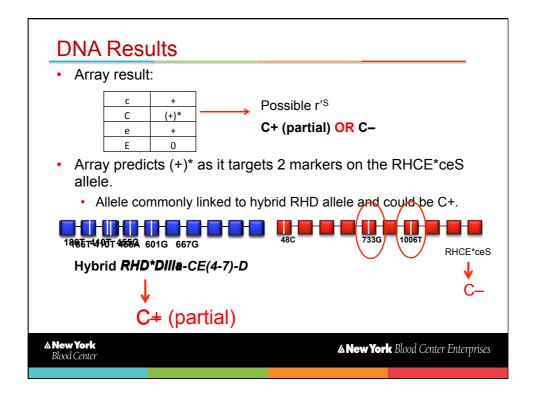


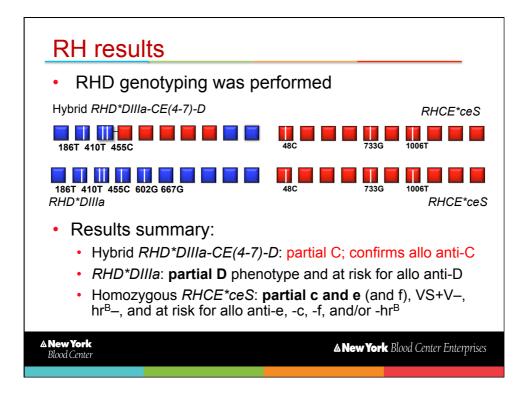


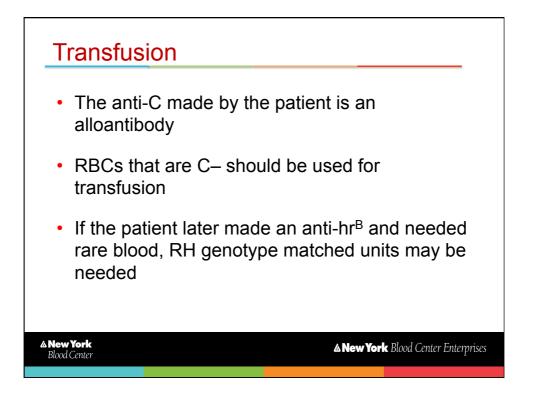












RH genotype matching						
Exact match (no mismatch)						
Example patientUnitsDCeDDcEDCEDcE	R1R2 → R1R2					
Haplotype match (no mismatch)	R1R1 or R2R2 - R1R2					
Example patient Units	Units					
D Ce D Ce OR D CE	D CE D CE					
& New York Blood Center	A New York Blood Center Enterprises					

