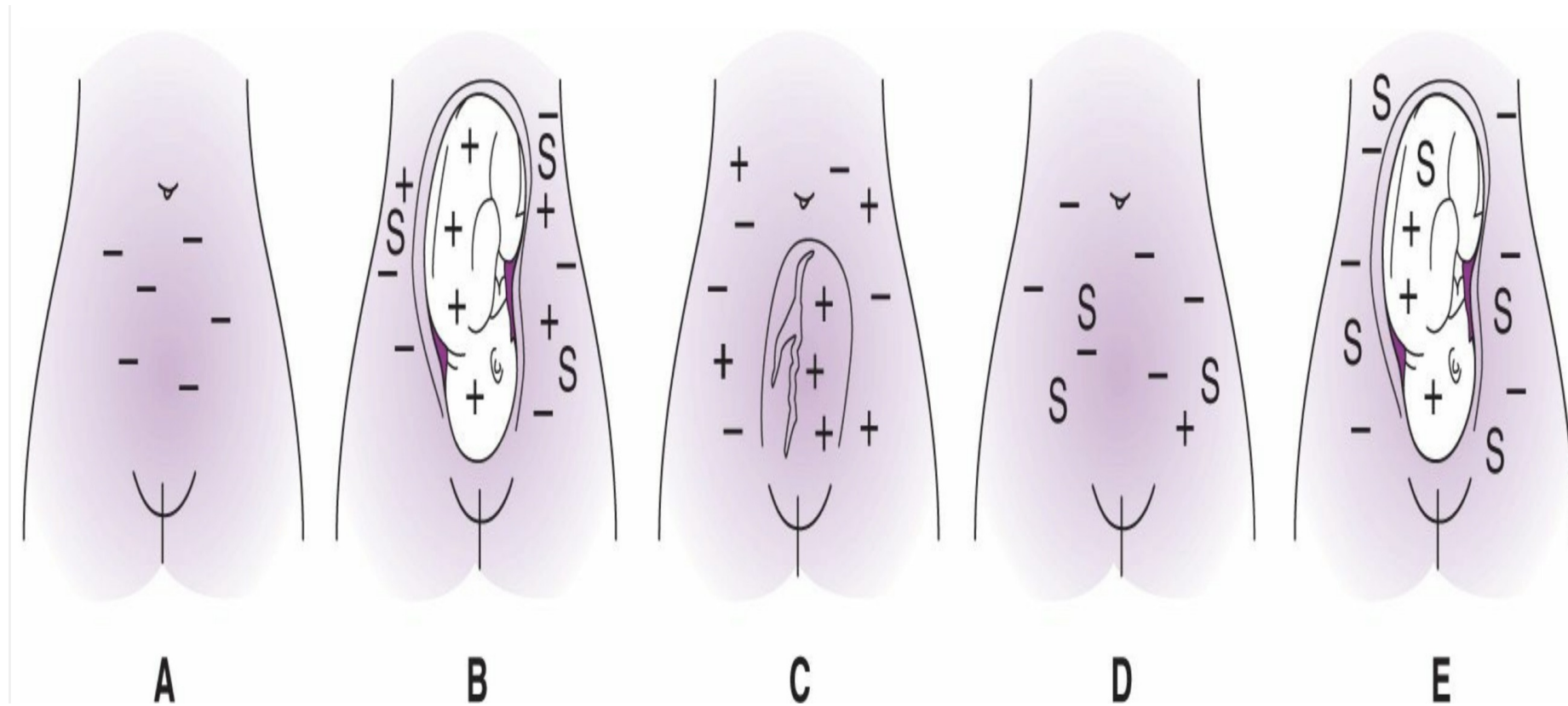


Prevalence and Causes of Indirect Coomb's Test Positivity in Multiparous Women

Nurseli Gülay, Pınar Özcan, Melda Kuyucu

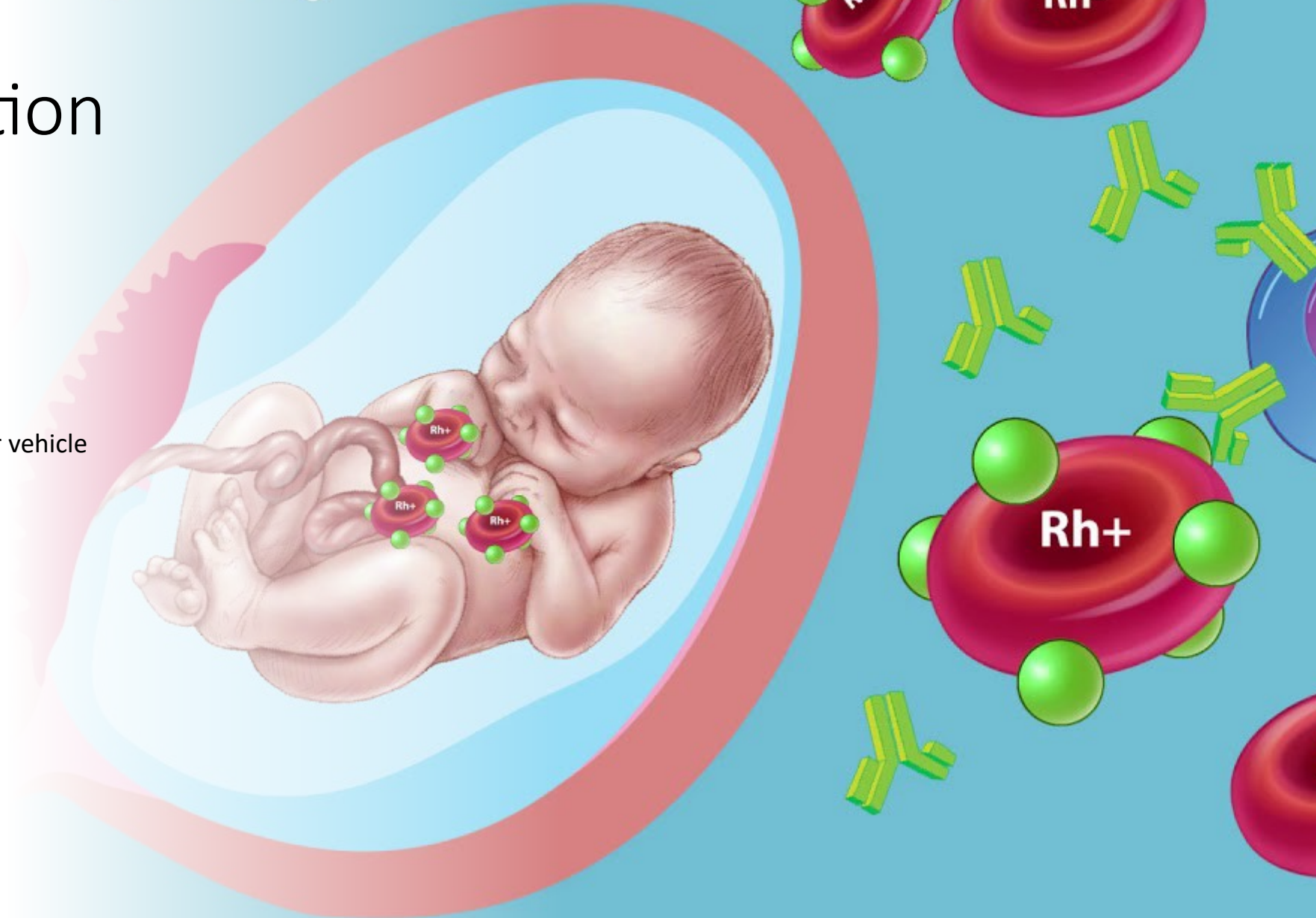
A: Rh-negative woman before pregnancy. **B:** Pregnancy occurs. The fetus is Rh-positive. **C:** Separation of the placenta. **D:** After delivery, Rh alloimmunization occurs in the mother, and she develops antibodies (S) to the Rh-positive antigen. **E:** The next pregnancy with an Rh-positive fetus. Maternal antibodies cross the placenta, enter the fetal bloodstream, and attach to Rh-positive red cells, causing hemolysis.



Pregnancy

Maternal Rh Alloimmunization

- Fetomaternal hemorrhage include spontaneous or induced abortion
- Amniocentesis
- Chorionic villus sampling
- Abdominal trauma (eg, due to motor vehicle accidents or external version)
- Placenta previa
- Abruption placentae
- Fetal death
- Multiple pregnancy
- Manual removal of the placenta
- Cesarean section.



G	H	I	J	L	M	N
TEST_SONUC	Kan grubu 0Rh+1 0Rh-2 ARh+3 ARh-4 BRh+5 BRh-6 ABRh+7 ABRh-8	Gravida	Multipar var:1 yok:2	Primigravida var:1 yok:2	Parite	İlk vizitteki GH
Negatif		4	2	2	2	0
Negatif		6	2	2	2	0
Negatif		2	2	2	2	0 27+2
Negatif		4	1	2	1	0 40+5
Negatif		6	3	2	2	1 4+5
Negatif		2	2	2	2	1
Negatif		4	2	2	2	1 38+2
Negatif		4	1	2	1	0 27+3
Negatif		2	2	2	2	1 4+3
Negatif		6	2	2	2	1 26+2
Negatif		3	2	2	2	1
Negatif		4	2	2	2	1
Negatif		2	5	1	2 3 Y1	4+5
Negatif		6	2	2	2	1
Negatif		2	1	2	1	0 35+5
Negatif		4	2	2	2	1 5+5
Negatif		4	2	2	2	1 30+3
Negatif		4	4	1	2	3 ?
Negatif		3	2	2	2	1 5+3
Negatif		2	2	2	1	0 26+4
Negatif		2	1	2	1	0 37+4
Negatif		2	3	1	2	2 40+1
Negatif		4	3	2	2	0 4+2
Negatif		2	1	2	1	0 28+5

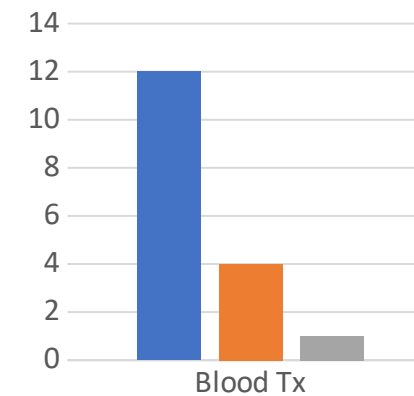
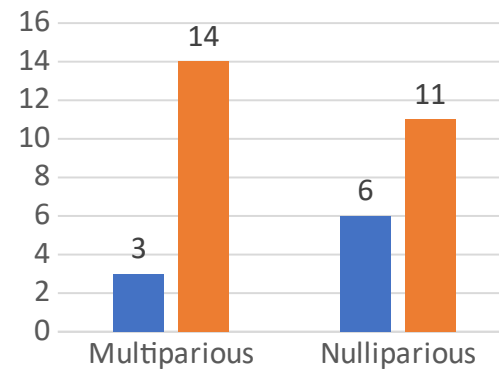
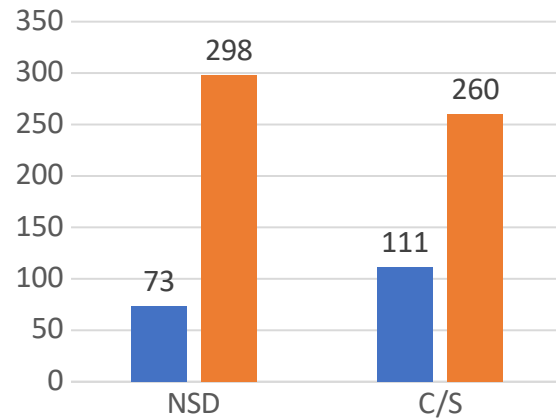
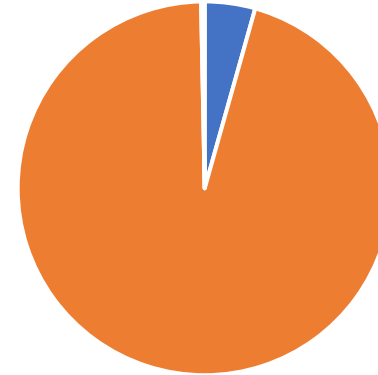
O	P	Q	R	S	T	U
NSD var:1 yok:2	C/S var:1 yok:2	Düşük sayıs	Kan tx var:1 yok:2 bilinmiyor:3	Tx end OHA:1 beta talesemi:2 önce C/S:3	postpartum anemi:4 Tek:1 ikiz:2 üç:3	ICT 1.gri:1 2.tri:2 3.tri:3
	2	2	1			1
	2	2	1			1
	2	2	0			1
	2	1	1			1
	1	2	0			1
	2	1	0			1
	2	2	0			1
	1	2	0			1
	2	1	0			1
	1	2	0			1
	2	1	0			1
	1	2	0			1
	2	2	0			1
	2	1	0			1
	2	1	0			1
	1	2	0			1 ?
	1	2	0			1
	2	2	0			2
	2	2	0			3
	1	2	0			3
	2	2	2			1

Metarial and Methods

- Between September 2022 and May 2023, multiparous and or nulliparous pregnant women admitted to Bezmiâlem Vakıf University Hospital Gynecology and Obstetrics Outpatient Clinic were asked for indirect Coomb's Test (ICT) at the first antenatal visit. Age, blood type, gravida, parity, previous deliveries (normal spontaneous delivery and cesarean section), gestational week, singleton-twin status, previous abortion status, and history of blood transfusion were noted.

Results

Between September 2022 and May 2023, 377 patients underwent ICT. 6 patients will be excluded because they were not pregnant. 17 of 371 patients tested positive (4.3%). The majority of the reasons were Rh incompatibility, but one patient was alloimmunized during blood transfusion (0.0026%).



References

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- 4) Decherney Alan, Nathan Lauren, Laufer Neri, Roman Ashley, Lange Current Diagnosis and Treatment Obstetrics and Gynecology

THANK YOU