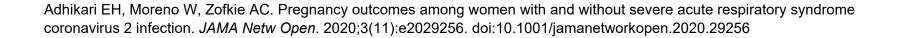
Supplemental Online Content



eTable 1. Characteristics and Delivery Outcomes Stratified by Illness Severity Among Women With SARS-CoV-2 During Pregnancy **eTable 2.** Pathologic Characteristics of Placentas From Deliveries Among Women With SARS-CoV-2 Infection During Pregnancy

This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1: Characteristics and Delivery Outcomes Stratified by Illness Severity Among Women With SARS-CoV-2 During Pregnancy^a

Asymptomatic	Mild	Moderate	Severe	Critical	P-value	Trend
98	127	8	9	3		
3 (3%)	7 (6%)	2 (25%)	3 (33%)	0 (0%)	0.001	0.003
3 (3%)	7 (6%)	2 (25%)	2 (22%)	0 (0%)	0.02	0.02
0 (0%)	0 (0%)	0 (0%)	1 (11%)	0 (0%)	<0.001	0.004
4 (4%)	8 (6%)	0 (0%)	0 (0%)	0 (0%)	0.79	0.73
9 (9%)	14 (11%)	1 (13%)	2 (22%)	0 (0%)	0.75	0.48
6 (6%)	14 (11%)	1 (13%)	3 (33%)	0 (0%)	0.10	0.05
7 (7%)	13 (10%)	2 (25%)	3 (33%)	2 (67%)	0.002	<0.001
3 (3%)	3 (2%)	1 (13%)	1 (11%)	1 (33%)	0.02	0.02
0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (33%)	<0.001	<0.001
70 (71%)	93 (73%)	4 (50%)	6 (67%)	1 (33%)	0.38	0.27
12 (12%)	8 (6%)	2 (25%)	1 (11%)	2 (67%)	0.005	0.24
13 (13%)	23 (18%)	2 (25%)	2 (22%)	0 (0%)	0.70	0.47
9 (9%)	8 (6%)	0 (0%)	0 (0%)	0 (0%)	0.67	0.14
0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	NA	NA
99	130	8	8	3		
13 (13%)	14 (11%)	1 (13%)	2 (22%)	1 (33%)	0.61	0.42
26 (27%)	25 (20%)	1 (13%)	0 (0%)	1 (33%)	0.34	0.12
	98 3 (3%) 3 (3%) 0 (0%) 4 (4%) 9 (9%) 6 (6%) 7 (7%) 3 (3%) 0 (0%) 70 (71%) 12 (12%) 13 (13%) 9 (9%) 0 (0%)	98 127 3 (3%) 7 (6%) 3 (3%) 7 (6%) 0 (0%) 0 (0%) 4 (4%) 8 (6%) 9 (9%) 14 (11%) 6 (6%) 14 (11%) 7 (7%) 13 (10%) 3 (3%) 3 (2%) 0 (0%) 0 (0%) 70 (71%) 93 (73%) 12 (12%) 8 (6%) 13 (13%) 23 (18%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 99 130 13 (13%) 14 (11%)	98 127 8 3 (3%) 7 (6%) 2 (25%) 3 (3%) 7 (6%) 2 (25%) 0 (0%) 0 (0%) 0 (0%) 4 (4%) 8 (6%) 0 (0%) 9 (9%) 14 (11%) 1 (13%) 6 (6%) 14 (11%) 1 (13%) 7 (7%) 13 (10%) 2 (25%) 3 (3%) 3 (2%) 1 (13%) 0 (0%) 0 (0%) 0 (0%) 70 (71%) 93 (73%) 4 (50%) 12 (12%) 8 (6%) 2 (25%) 13 (13%) 23 (18%) 2 (25%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 9 (9%) 8 (6%) 0 (0%) 9 (9%) 8 (6%) 0 (0%) 13 (13%) 14 (11%) 1 (13%)	98 127 8 9 3 (3%) 7 (6%) 2 (25%) 3 (33%) 0 (0%) 0 (0%) 0 (0%) 1 (11%) 4 (4%) 8 (6%) 0 (0%) 0 (0%) 9 (9%) 14 (11%) 1 (13%) 2 (22%) 6 (6%) 14 (11%) 1 (13%) 3 (33%) 3 (3%) 3 (2%) 1 (13%) 1 (11%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 70 (71%) 93 (73%) 4 (50%) 6 (67%) 12 (12%) 8 (6%) 2 (25%) 2 (22%) 9 (9%) 8 (6%) 2 (25%) 2 (22%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%)	98 127 8 9 3 3 (3%) 7 (6%) 2 (25%) 3 (33%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 1 (11%) 0 (0%) 4 (4%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 9 (9%) 14 (11%) 1 (13%) 2 (22%) 0 (0%) 6 (6%) 14 (11%) 1 (13%) 3 (33%) 2 (67%) 3 (3%) 3 (2%) 1 (13%) 1 (11%) 1 (33%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 1 (33%) 70 (71%) 93 (73%) 4 (50%) 6 (67%) 1 (33%) 12 (12%) 8 (6%) 2 (25%) 2 (22%) 0 (0%) 9 (9%) 8 (6%) 2 (25%) 2 (22%) 0 (0%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 9 (9%) 8 (6%) 0 (0%) 0 (0%) 0 (0%) 9 (9%) 8 (8%) 0 (0%) 0 (0%)<	98 127 8 9 3 3 (3%) 7 (6%) 2 (25%) 3 (33%) 0 (0%) 0.001 3 (3%) 7 (6%) 2 (25%) 2 (22%) 0 (0%) 0.02 0 (0%) 0 (0%) 0 (0%) 1 (11%) 0 (0%) <0.001 4 (4%) 8 (6%) 0 (0%) 0

Data shown as n(%). ^aExcludes abortuses.

eTable 2. Pathologic Characteristics of Placentas From Deliveries Among Women With SARS-CoV-2 Infection

During Pregnancy^a

Juling 1 10			Maternal illness severity					
Characteris n	etic	Total placentas N = 187	Asymptomatic n = 70	Mild n = 99	Moderate n = 7	Severe n = 7	Critical n = 4	p value
No abnorma	ality	9	3	5	0	1	0	0.74
Small for ge	stational age (<10 th percentile)	31	11	16	2	2	0	0.68
Large for gestational age (>10 th percentile)		30	10	17	1	2	0	0.76
Any finding	s consistent with amniotic fluid infection	69	24	40	2	2	1	0.85
Maternal Response	Normal	131	49	66	6	6	4	0.42
	Any maternal response	56	21	33	1	1	0	0.42
	Stage 1 early: acute subchorionitis or chorionitis	12	2	8	1	1	0	0.46
	Stage 2 intermediate: acute chorioamnionitis	37	16	21	0	0	0	0.29
	Stage 3 late: Necrotizing chorioamnionitis	2	0	2	0	0	0	0.77
	Severe: severe chorioamnionitis	4	2	2	0	0	0	0.97
	Normal	138	52	72	6	5	3	0.96
	Any fetal response	49	18	27	1	2	1	0.96
Fetal Response	Stage 1 early: single vessel vasculitis; chorionic plate vasculitis	31	11	17	1	2	0	0.81
	Stage 2 intermediate: >1 vessel vasculitis	18	7	10	0	0	1	0.62
	Stage 3 late: necrotizing funisitis/concentric umbilical perivasculitis	0	0	0	0	0	0	NA
	Severe: intense chorionic vasculitis with recent non-occlusive chorionic vessel							
	thrombus	0	0	0	0	0	0	NA
			ernal underperfu				I -	
Villous chan		50	19	26	2	1	2	0.79
Vascular les	sions, maternal	24	5	15	11	11	2	0.11
\/:IIaa.a.a.	Findings consistent w				1			0.66
Villous changes Vascular lesions, fetal		26 11	12 7	13 4	0	0	0	0.66
vascular les	sions, retai	Inflammatory I	·	4	l U	l U	l U	0.42
Any inflamm	natory lesions	69	25	42	1	1	0	0.15
	llitis with obliterative vasculopathy	1	0	1	0	0	0	0.93

		Maternal illness severity							
Characteristic n	Total placentas N = 187	Asymptomatic n = 70	Mild n = 99	Moderate n = 7	Severe n = 7	Critical n = 4	p value		
Chronic villitis without obliterative vasculopathy	33	12	20	0	1	0	0.58		
Basal chronic villitis	26	13	12	0	1	0	0.51		
Chronic deciduitis with or without plasma cells	40	18	21	1	0	0	0.41		
Chronic chorioamnionitis	5	4	1	0	0	0	0.40		
Chronic intervillositis or histiocytic intervillositis	12	4	7	0	1°	0	0.81		
Other lesions									
Intervillous thrombus	36	18	16	1	0	1	0.36		
Villous edema	11	2	6	3	0	0	0.001 ^b		
Meconium (Gross or histologic evidence)	72	28	42	1	1	0	0.15		
Massive perivillous fibrin deposition	2	1	1	0	0	0	0.99		

Data shown as n(%).

^aPathologist was blinded to maternal illness severity and outcomes.

^bSignificant difference between moderate versus asymptomatic and mild illness.

^c Massive chronic intervillositis demonstrated in one case of suspected preterm intrauterine SARS-CoV-2 transmission.