

Supplement Table 1. The association of thyroid autoantibody subgroups with embryo and pregnancy outcomes in NOR patients (n=1283).

	Control group	TPOAb single-positive			TGAb single-positive			Both TPOAb and TGAb positive		
		% (n/N)	Adj.OR (95%CI)	Adj.p	% (n/N)	Adj.OR (95%CI)	Adj.p	% (n/N)	Adj.OR (95%CI)	Adj.p
Embryo Outcome										
2PN embryos	Ref.	73.28% (1355/1849)	0.905 (0.809, 1.013)	0.082	73.68% (196/266)	1.028 (0.775, 1.364)	0.848	73.62% (1616/2195)	0.923 (0.830, 1.026)	0.137
Available cleavage embryos	Ref.	63.87% (1181/1849)	0.924 (0.834, 1.024)	0.134	61.28% (163/266)	0.879 (0.681, 1.135)	0.322	63.64% (1397/2195)	0.923 (0.838, 1.016)	0.103
High-quality cleavage embryos	Ref.	36.07% (667/1849)	0.951 (0.858, 1.054)	0.339	31.59% (84/266)	0.813 (0.624, 1.060)	0.126	35.03% (769/2195)	0.910 (0.826, 1.003)	0.057
Blastocyst formation	Ref.	49.18% (392/797)	1.132 (0.972, 1.318)	0.110	40.77% (53/130)	0.729 (0.507, 1.048)	0.088	43.63% (449/1029)	0.899 (0.783, 1.033)	0.133
High-quality blastocysts	Ref.	36.51% (291/797)	0.956 (0.817, 1.119)	0.574	32.31% (42/130)	0.794 (0.543, 1.161)	0.234	34.60% (356/1029)	0.876 (0.759, 1.012)	0.072
Abnormal fertilized embryos	Ref.	7.52% (139/1849)	0.939 (0.778, 1.134)	0.516	8.27% (22/266)	0.966 (0.618, 1.508)	0.878	8.97% (197/2195)	1.151 (0.975, 1.360)	0.097
Pregnancy Outcome										
Biochemical pregnancy	Ref.	60.78% (31/51)	1.042 (0.546, 1.989)	0.901	30.00% (3/10)	0.314 (0.075, 1.315)	0.113	60.66% (37/61)	1.770 (0.874, 3.584)	0.113
Clinical pregnancy	Ref.	49.02% (25/51)	0.899 (0.481, 1.682)	0.740	30.00% (3/10)	0.439 (0.108, 1.785)	0.250	54.10% (33/61)	1.707 (0.913, 3.189)	0.094
Miscarriage	Ref.	8.00% (2/25)	0.587 (0.095, 3.628)	0.566	33.33% (1/3)	7.653 (0.498, 117.614)	0.144	9.09% (3/33)	0.540 (0.148, 1.973)	0.352
Live birth	Ref.	92.00% (23/25)	1.058 (0.913, 1.225)	0.455	66.67% (2/3)	0.719 (0.320, 1.620)	0.427	90.91% (30/33)	1.052 (0.939, 1.178)	0.382

The multivariate logistic regression model adjusted for age, BMI, infertility duration, history of ≥ 2 first-trimester miscarriages, smoking status, infertility type, infertility cause, bFSH, AMH, AFC, FT3, FT4, TSH, COS protocols, fertilization method, starting dose of Gn (They were potential confounders which had been reported may affect the formation of oocytes and embryos and the pregnancy outcomes).