

Table 2. Predictive factors for secondary study outcomes: pregnancy loss and spontaneous miscarriage rates in pregnant women treated for hypothyroidism

Predictive parameters	Complications present	Complications absent	p value
Pregnancy loss			
N (%)	10 (10.9)	82 (89.1)	-
Maternal age (years)	32 (29 – 42)	32 (22 – 41)	0.970
BMI, pre-gestation (kg/m ²)	24.2 (18.0 – 32.4)	22.9 (17.2 – 39.3)	0.590
Conception after IVF (%)	22.0	12.2	0.614
Hx of spontaneous miscarriages (%)	44.0	25.7	0.450
Hx of preterm delivery (%)	14.3	9.1	0.538
TAI (%)	50.0	52.4	1.000
TSH, pre-gestation (mU/ml)	4.50 (1.06 – 6.70)	2.76 (0.03 – 18.10)	0.233
first trimester	2.36 (0.80 – 13.40)	3.48 (0.01 – 60.00)	0.246
second trimester	N/A	2.00 (0.01 – 21.00)	N/A
third trimester	N/A	1.31 (0.05 – 5.78)	N/A
fT ₄ , pre-gestation (ng/l)	1.36 ± 0.17	1.35 ± 0.29	0.939
first trimester	1.36 (1.23 – 3.10)	1.27 (0.63 – 3.30)	0.075
second trimester	N/A	1.08 (0.71 – 3.44)	-
third trimester	N/A	1.07 (0.52 – 1.88)	-
LT ₄ dose, pre-gestation (µg/d)	62 (0 – 125)	75 (0 – 150)	0.913
first trimester	100 (50 – 125)	75 (0 – 175)	0.418
second trimester	N/A	100 (0 – 175)	-
third trimester	N/A	100 ± 44	-
Miscarriage			
N (%)	8 (8.7)	84 (91.3)	-
Maternal age (years)	33 ± 4	32 ± 4	0.608
BMI, pre-gestation (kg/m ²)	19.1 (18.0 – 32.3)	23.0 (17.2 – 39.3)	0.462
Conception after IVF (%)	25	12	0.279
Hx of spontaneous miscarriages (%)	50.0	25.0	0.206
Hx of recurrent miscarriages (%)	25.0	17.1	0.629
Hx of preterm delivery (%)	16.7	8.9	0.480
TAI (%)	62.5	51.2	0.617
TSH, pre-gestation (mU/ml)	3.66 (1.06 – 6.70)	2.90 (0.03 – 18.10)	0.510
first trimester	2.36 (0.80 – 4.62)	3.36 (0.01 – 60.00)	0.171
fT ₄ , pre-gestation (ng/l)	1.40 ± 0.16	1.34 ± 0.29	0.666
first trimester	1.44 (1.23 – 3.10)	1.27 (0.63 – 2.30)	0.044
LT ₄ , dose pre-gestation (µg/d)	62 (0 – 125)	75 (0 – 150)	0.769
first trimester	100 (50 – 125)	75 (0 – 175)	0.265

BMI: body mass index; fT₄: free thyroxine; Hx: history; IVF: in vitro fertilization; LT₄: levo-thyroxine; N/A: not applicable; TAI: thyroid auto-immunity; TSH: thyroid stimulating hormone.