

Table 1. Predictive factors for primary study outcomes: all (combined outcome), maternal and neonatal complications in pregnant women treated for hypothyroidism

Predictive parameters	Complications present	Complications absent	p value
All complications (combined)			
N (%)	19 (24.1)	60 (75.9)	-
Maternal age (years)	33 ± 5	31 ± 4	0.257
BMI, pre-gestation (kg/m ²)	24.5 (17.3 – 39.3)	22.5 (17.2 – 35.1)	0.279
Weight gain (kg)	13 (10 – 25)	13 (4 – 30)	0.121
Conception after IVF (%)	10.5	13.3	1.000
Gestation week at delivery (week)	37.5 (34 – 39)	38 (34 – 41)	0.027
Hx of preterm delivery (%)	30	3	0.034
Hx of spontaneous miscarriages (%)	21.1	27.8	0.763
TAI (%)	44.7	51.7	0.744
TSH, pre-gestation (mU/ml)	3.92 (1.27 – 9.24)	1.69 (0.03 – 18.10)	0.066
first trimester	3.65 (0.36 – 26.5)	3.24 (0.01 – 60.00)	0.655
second trimester	2.12 (0.41 – 6.5)	1.97 (0.01 – 41.00)	0.408
third trimester	1.43 (0.11 – 3.04)	1.24 (0.05 – 5.78)	0.750
fT ₄ , pre-gestation (ng/l)	1.10 (1.04 – 1.42)	1.39 (0.85 – 1.90)	0.080
first trimester	1.07 (0.92 – 1.69)	1.28 (0.63 – 2.30)	0.627
second trimester	0.98 (0.75 – 1.42)	1.08 (0.71 – 3.44)	0.571
third trimester	1.03 ± 0.13	1.13 ± 0.26	0.276
LT ₄ dose, pre-gestation (µg/d)	0 (0 – 75)	75 (0 – 150)	0.013
first trimester	50 (0 – 150)	75 (0 – 175)	0.279
second trimester	86 (0 – 150)	100 (0 – 175)	0.339
third trimester	88 ± 50	106 ± 42	0.190
Maternal complications			
N (%)	8 (10.1)	71 (89.9)	-
Maternal age (years)	33 ± 6	32 ± 4	0.276
BMI, pre-gestation (kg/m ²)	30.5 (24.5 – 39.3)	22.5 (17.2 – 35.1)	0.004
Weight gain during pregnancy (kg)	12 (10 – 22)	13 (4 – 30)	0.697
Conception after IVF (%)	25.0	11.3	0.266
TAI (%)	50.0	64.4	0.619
TSH, pre-gestation (mU/ml)	3.30 (1.27 – 7.31)	2.18 (0.03 – 18.10)	0.418
first trimester	1.87 (0.36 – 6.30)	3.36 (0.01 – 60.00)	0.374
second trimester	2.47 (1.05 – 3.10)	1.98 (0.01 – 41.00)	0.965
third trimester	1.33 (0.70 – 1.67)	1.34 (0.05 – 5.78)	0.715
fT ₄ , pre-gestation (ng/l)	1.14 ± 0.06	1.35 ± 0.28	0.327
first trimester	1.21 ± 0.32	1.26 ± 0.29	0.740
second trimester	1.06 ± 0.27	1.15 ± 0.39	0.573
third trimester	0.97 (0.86 – 1.16)	1.07 (0.52 – 1.88)	0.195
LT ₄ dose, pre-gestation (µg/d)	50 (0 – 75)	75 (0 – 150)	0.380
first trimester	81 (0 – 150)	75 (0 – 175)	0.483
second trimester	100 (50 – 150)	100 (0 – 175)	0.587
third trimester	102 ± 47	102 ± 45	0.963

BMI: body mass index; fT₄: free thyroxine; Hx: history; IVF: in vitro fertilization; LT₄: levo-thyroxine; TAI: thyroid auto-immunity; TSH: thyroid stimulating hormone.

Table 1. Predictive factors for primary study outcomes: all (combined outcome), maternal and neonatal complications in pregnant women treated for hypothyroidism (continued)

Predictive parameters	Complications present	Complications absent	p value
Neonatal complications			
N (%)	14 (17.7)	65 (82.3)	-
Maternal age (years)	33 ± 5	32 ± 4	0.381
BMI, pre-gestation (kg/m ²)	23.2 (17.3 – 32.0)	22.9 (17.2 – 39.3)	0.697
Weight gain during pregnancy (kg)	15 (10 – 25)	13 (4 – 30)	0.268
Conception after IVF (%)	7.1	14.1	0.680
Gestation week at delivery (week)	36.5 (34 – 39)	38 (34 – 41)	0.004
TAI (%)	66.7	63.0	1.000
TSH, pre-gestation (mU/ml)	4.50 (1.50 – 9.24)	1.71 (0.03 – 18.10)	0.112
first trimester	3.70 (1.77 – 26.50)	3.24 (0.01 – 60.00)	0.251
second trimester	2.96 (0.41 – 6.50)	1.97 (0.01 – 41.00)	0.243
third trimester	1.43 (0.11 – 3.04)	1.30 (0.05 – 5.78)	0.921
fT ₄ , pre-gestation (ng/l)	1.20 ± 0.19	1.35 ± 0.28	0.385
first trimester	1.18 (0.92 -1.53)	1.27 (0.63 – 2.30)	0.761
second trimester	1.02 ± 0.26	1.16 ± 0.39	0.344
third trimester	1.00 (0.98 – 1.16)	1.07 (0.52 – 1.88)	0.427
LT ₄ dose, pre-gestation (µg/d)	0 (0 – 70)	75 (0 – 150)	0.020
first trimester	60 (0 – 150)	75 (0 – 175)	0.385
second trimester	86 (0 – 150)	100 (0 – 175)	0.381
third trimester	81 (0 – 175)	100 (0 – 200)	0.346

BMI: body mass index; fT₄: free thyroxine; Hx: history; IVF: in vitro fertilization; LT₄: levo-thyroxine; TAI: thyroid auto-immunity; TSH: thyroid stimulating hormone.