

Table S1. The association between LT4 dose and weight gain after adjusting pre-pregnancy BMI in different weeks of pregnancy by univariate analysis.

| <b>A parameter Estimates (Multivariate Analysis)</b> |                   |        |            |        |      |                         |             |                     |
|--|-------------------|--------|------------|--------|------|-------------------------|-------------|---------------------|
| Dependent Variable                                   | Parameter         | B      | Std. Error | t      | Sig. | 95% Confidence Interval |             | Partial Eta Squared |
|  |                   |        |            |        |      | Lower Bound             | Upper Bound |                     |
| Weight gain in 10 <sup>th</sup> week                 | Intercept         | 6.561  | 3.734      | 1.757  | .082 | -.836                   | 13.959      | .027                |
|  | Dose LT4          | .030   | .020       | 1.459  | .147 | -.011                   | .070        | .018                |
|  | Pre-pregnancy BMI | 2.366  | .154       | 15.410 | .000 | 2.062                   | 2.670       | .678                |
| Weight gain in 18 <sup>th</sup> week                 | Intercept         | 8.999  | 4.007      | 2.246  | .027 | 1.060                   | 16.938      | .043                |
|  | Dose LT4          | .045   | .022       | 2.059  | .042 | .002                    | .088        | .036                |
|  | Pre-pregnancy BMI | 2.345  | .165       | 14.229 | .000 | 2.018                   | 2.671       | .642                |
| Weight gain in 26 <sup>th</sup> week                 | Intercept         | 15.430 | 4.004      | 3.854  | .000 | 7.498                   | 23.363      | .116                |
|  | Dose LT4          | .045   | .022       | 2.063  | .041 | .002                    | .088        | .036                |
|  | Pre-pregnancy BMI | 2.256  | .165       | 13.699 | .000 | 1.929                   | 2.582       | .624                |
| Weight gain in 33 <sup>th</sup> week                 | Intercept         | 20.129 | 4.267      | 4.717  | .000 | 11.676                  | 28.583      | .165                |
|  | Dose LT4          | .063   | .023       | 2.725  | .007 | .017                    | .109        | .062                |
|  | Pre-pregnancy BMI | 2.179  | .175       | 12.419 | .000 | 1.832                   | 2.527       | .577                |
| Weight gain in 36 <sup>th</sup> week                 | Intercept         | 21.866 | 4.452      | 4.912  | .000 | 13.047                  | 30.685      | .176                |
|  | Dose LT4          | .070   | .024       | 2.908  | .004 | .022                    | .118        | .070                |
|  | Pre-pregnancy BMI | 2.183  | .183       | 11.927 | .000 | 1.821                   | 2.546       | .557                |
| Last weight in pre-term and term deliveries          | Intercept         | 22.884 | 4.493      | 5.094  | .000 | 13.984                  | 31.785      | .187                |
|  | Dose LT4          | .068   | .024       | 2.776  | .006 | .019                    | .116        | .064                |
|  | Pre-pregnancy BMI | 2.210  | .185       | 11.962 | .000 | 1.844                   | 2.576       | .559                |
| Last weight in pre-term deliveries                   | Intercept         | 22.884 | 4.493      | 5.094  | .000 | 13.984                  | 31.785      | .187                |
|  | Dose LT4          | .068   | .024       | 2.776  | .006 | .019                    | .116        | .064                |
|  | Pre-pregnancy BMI | 2.210  | .185       | 11.962 | .000 | 1.844                   | 2.576       | .559                |

**Table S2: Maternal weight gain, considering time and pre-pregnancy BMI in group with consumption of levothyroxine (LT4=Yes)**

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| Parameter         | B      | Std. Error | 95% Wald Confidence Interval |        | Sig.   |
|-------------------|--------|------------|------------------------------|--------|--------|
|                   |        |            | Lower                        | Upper  |        |
| (Intercept)       | 10.771 | 4.7251     | 1.510                        | 20.032 | 0.023  |
| Time              | 2.840  | 0.1168     | 2.611                        | 3.068  | <0.001 |
| Pre-pregnancy BMI | 2.132  | 0.2008     | 1.738                        | 2.525  | <0.001 |

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Dependent Variable: Maternal weight.

Model: (Intercept), Time, Pre-pregnancy BMI.

**Table S3: Maternal weight gain, considering time and pre-pregnancy BMI in group without consumption of levothyroxine (LT4=No)**

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| Parameter         | B     | Std. Error | 95% Wald Confidence Interval |        | Sig.   |
|-------------------|-------|------------|------------------------------|--------|--------|
|                   |       |            | Lower                        | Upper  |        |
| (Intercept)       | 4.541 | 3.3086     | -1.943                       | 11.026 | 0.170  |
| Time              | 2.747 | 0.0791     | 2.592                        | 2.902  | <0.001 |
| Pre-pregnancy BMI | 2.371 | 0.1435     | 2.089                        | 2.652  | <0.001 |

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Dependent Variable: Maternal weight.

Model: (Intercept), Time, Pre-pregnancy BMI.

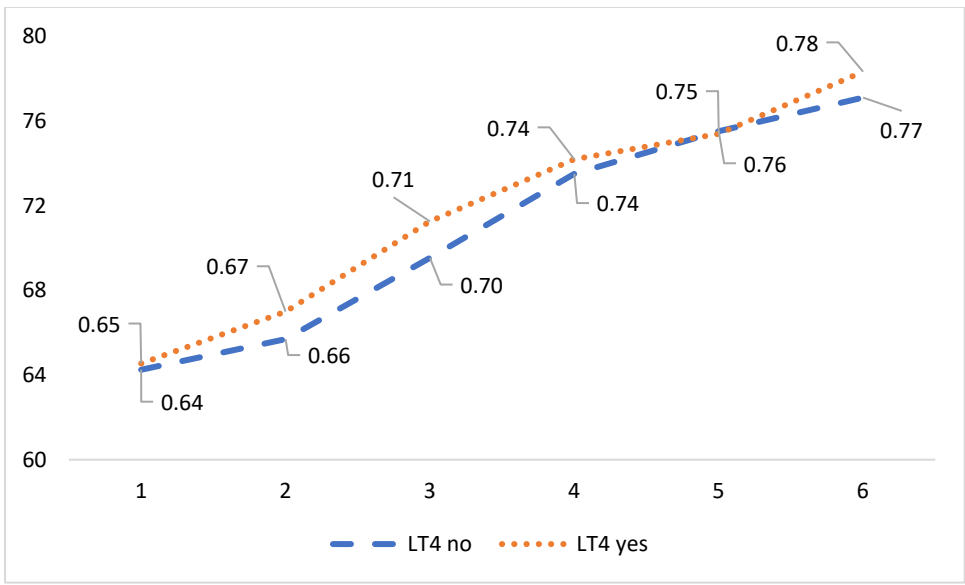


Figure S1. The comparison of means of maternal gained weights in different times of pregnancy between two groups of consumption of levothyroxine.

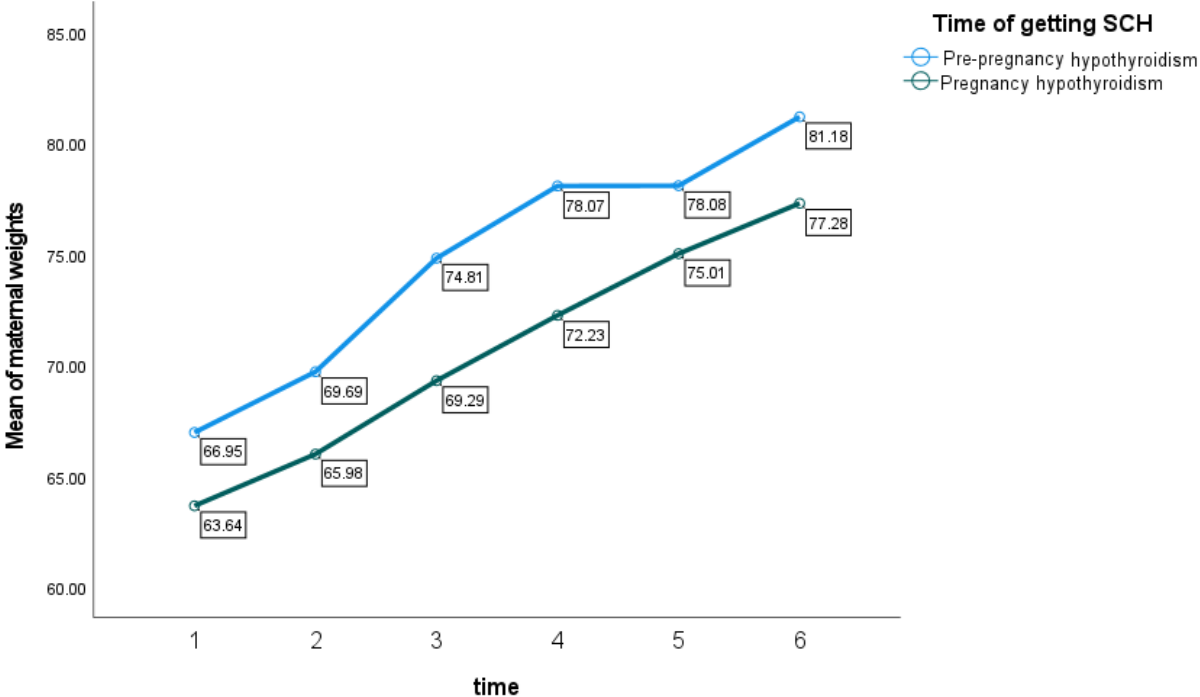


Figure S2. Comparison of gained weights between women who started levothyroxine before pregnancy and those who took levothyroxine during pregnancy