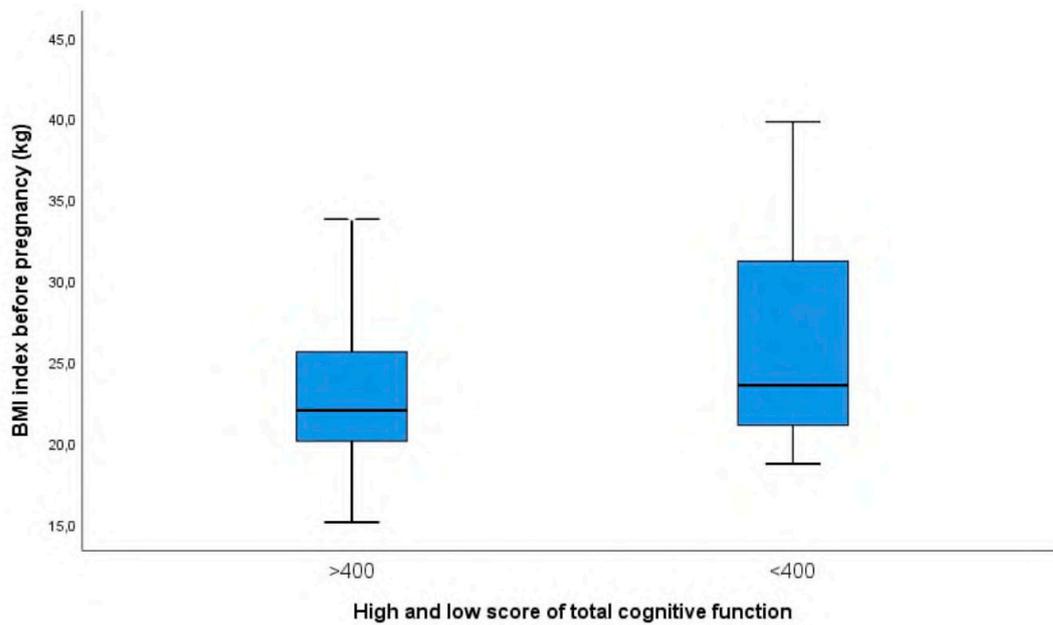


**Figure S1.** Linear correlation between total cognitive function (score) and leptin concentration in the first trimester of pregnancy ( $r = -0.349$ ,  $p = 0.001$ ).



**Figure S2.** Presentation of mean values with SD of BMI in groups of pregnant women with a higher score ( $23.4 \pm 4.7$  kg/m<sup>2</sup>) and with a low score ( $26.2 \pm 5.7$  kg/m<sup>2</sup>) for total cognitive function.

**Table S1.** Characteristics of studies used in the meta-analysis.

		<b>Cognitive score &gt;400</b>	<b>Cognitive score &lt;400</b>
Age (years)	<30	23	7
	>30	35	13
Age of onset of T1DM (years)	Before 10	21	7
	After 10	37	13
Duration T1DM (years )	<8	18	5
	>8	40	15
BMI (kg/m <sup>2</sup> )	<25	42	11
	>25	13	12
HbA1c in 1st trimester (%)	<6.5	25	11
	>6.5	28	9
Hypothyroidism	NO	32	4
	YES	22	16
C-peptide 1st trimester (pmol/L)	YES	35	7
	NO	2	11
CAN	NO	35	7
	YES	20	12
Education	High and University. degree	26	10
	High school	28	14
CGM > 7.8 mmol/L	<7.8	36	10
	>7.8	12	7
CGM < 3.9 mmol/L	<3.9	12	7
	>3.9	36	10