

琉球大学学術リポジトリ

妊娠期推奨体重増加量区別にみた妊婦の生理的特性および栄養素摂取量と正期産児の出生体重との関連

メタデータ	言語: 出版者: 琉球大学 公開日: 2018-08-09 キーワード (Ja): キーワード (En): 作成者: Tamashiro, Yoko, 玉城, 陽子 メールアドレス: 所属:
URL	http://hdl.handle.net/20.500.12000/42206

Table 3 Energy and energy-providing nutrient intake for the recommended gestational weight gain according to fetal birth weight percentile

		2nd trimester				3rd trimester				Mean ± SD		
Variable	Recommended gestational weight gain	Fetal birth weight percentile				P	Multiple comparison	Fetal birth weight percentile				P
		≤10th ^a n=15	10-50th ^b n=86	50-90th ^c n=71	90th < ^d n=20			≤10th n=15	10-50th n=99	50-90th n=89	90th < n=25	
Energy (kcal)	Below	-	1619.7 ± 299.4	1796.7 ± 552.9	-	0.331		1421.3 ± 263.0	1618.1 ± 415.7	1456.6 ± 246.2	-	0.366
	Within	1598.5 ± 425.8	1515.7 ± 365.6	1433.6 ± 318.8	1387.6 ± 333.0	0.335		1407.9 ± 242.6	1471.7 ± 317.7	1571.0 ± 399.1	1426.5 ± 317.2	0.343
	Above	1288.8 ± 168.2	1575.2 ± 411.5	1661.8 ± 459.6	1580.8 ± 629.3	0.315		1481.0 ± 382.7	1526.3 ± 366.7	1578.5 ± 374.5	1392.8 ± 495.1	0.451
Protein (% of energy)	Below	-	14.1 ± 1.3	12.6 ± 1.4	-	0.043	c<b	15.3 ± 5.6	14.0 ± 1.9	13.1 ± 2.0	-	0.307
	Within	13.2 ± 1.7	14.4 ± 2.4	13.9 ± 1.9	15.7 ± 1.7	0.066		14.0 ± 0.6	14.6 ± 2.2	14.0 ± 1.6	15.0 ± 2.0	0.291
	Above	14.1 ± 1.0	13.3 ± 1.9	14.1 ± 1.9	14.1 ± 3.4	0.611		12.0 ± 1.1	13.5 ± 2.1	14.2 ± 2.1	13.9 ± 1.7	0.253
Carbohydrate (% of energy)	Below	-	55.3 ± 4.0	61.6 ± 3.2	-	0.012	b<c	53.5 ± 8.3	56.9 ± 4.9	60.0 ± 5.2	-	0.122
	Within	59.5 ± 7.4	56.3 ± 6.0	57.3 ± 5.4	52.3 ± 5.1	0.044	d<a,c	56.4 ± 4.3	56.3 ± 5.5	56.2 ± 5.3	55.8 ± 3.8	0.980
	Above	58.4 ± 2.1	57.0 ± 6.3	55.6 ± 6.3	58.4 ± 8.2	0.726		60.0 ± 4.0	56.7 ± 5.9	56.1 ± 7.7	59.3 ± 3.7	0.356
Fat (% of energy)	Below	-	29.3 ± 3.4	24.4 ± 3.2	-	0.037	c<b	30.2 ± 3.8	28.1 ± 3.4	25.7 ± 3.8	-	0.114
	Within	26.0 ± 6.2	28.2 ± 4.5	27.8 ± 4.3	31.0 ± 4.3	0.091		28.0 ± 4.3	27.9 ± 4.6	28.5 ± 4.5	28.2 ± 3.0	0.930
	Above	25.9 ± 2.8	28.3 ± 5.0	29.2 ± 5.8	26.7 ± 5.6	0.665		26.9 ± 5.0	28.7 ± 4.8	28.8 ± 6.2	25.7 ± 3.4	0.277

The "below" group with a the birth weight percentile of ≤10 comprised 1 individual, and was therefore excluded from the analysis.

Analysis of covariance: Multiple comparison with Bonferroni test

Covariance: age, pre-pregnancy BMI

Fetal birth weight percentile: Classification based on the "Introduction of the new gestational age-specific standards for birth size (2010)" by the Japan Pediatric Society

Recommended gestational weight gain: below (<9kg), within (9-12kg), and above (>12kg) for underweight (BMI<18.5kg/m²) women, and below (<7kg), within (7-12kg), above (>12kg) for normal weight (18.5≤BMI<25.0kg/m²) women.