

Table 6: Relation of hormone and anthropometric measurements when the baby is classified by birth weight

	SGA n:8						AGA n:62						LGA n:14					
	Mother			Baby			Mother			Baby			Mother			Baby		
	Irisin	Leptin	Insulin	Irisin	Leptin	Insulin	Irisin	Leptin	Insulin	Irisin	Leptin	Insulin	Irisin	Leptin	Insulin	Irisin	Leptin	Insulin
Mother irisin (µg/ml)	1	-0.060	0.571	0.726*	0.925**	0.526	1	0.084	0.056	0.922**	-0.308*	0.086	1	0.255	-0.024	0.957**	0.653*	0.127
Mother leptin (ng/ml)	-0.060	1	-0.337	-0.19	0.248	-0.150	0.084	1	0.422**	0.116	0.494**	0.253*	0.255	1	0.248	0.415	0.053	-0.287
Mother insulin (µIU/mL)	0.571	-0.337	1	0.88**	0.276	-0.002	0.056	0.422**	1	0.096	0.253*	0.127	-0.024	0.248	1	0.032	0.496	0.319
Baby irisin (µg/ml)	0.726*	-0.192	0.882**	1	0.525	-0.003	0.922**	0.116	0.096	1	-0.308*	0.148	0.957**	0.415	0.032	1	0.650*	0.048
Baby leptin (ng/ml)	0.925**	0.248	0.276	0.525	1	0.546	-0.308*	0.494**	0.253*	-0.233	1	0.267*	0.653*	0.053	0.496	0.650*	1	0.336
Baby insulin (µIU/mL)	0.526	-0.150	-0.002	-0.03	0.546	1	0.086	0.266*	0.227	0.148	0.267*	1	0.127	-0.287	0.319	0.048	0.336	1
Gestational age (week)	0.803*	-0.046	0.700	0.92**	0.705	0.166	-0.241	0.004	-0.086	-0.247	0.284*	0.015	-0.289	-0.043	0.273	-0.208	0.121	-0.179
Ponderal index (g/cm ³)	0.410	-0.201	0.206	0.389	0.384	-0.100	-0.194	-0.029	0.133	-0.088	0.228	0.094	-0.117	0.632*	0.439	0.021	0.132	-0.321
Head circumference (cm)	0.653	-0.351	0.487	0.75**	0.525	0.296	-0.33**	0.027	-0.012	-0.265*	0.320*	-0.012	-0.182	0.399	0.302	-0.127	-0.157	0.053
Chest circumference (cm)	0.131	-0.071	0.004	0.352	0.196	0.019	-0.35**	0.067	0.001	-0.268*	0.365**	0.135	0.019	0.221	0.227	-0.006	-0.133	-0.410
Neck circumference (cm)	0.528	0.010	-0.237	0.068	0.652	0.644	-0.34**	0.089	-0.019	-0.280*	0.304*	0.168	-0.210	0.173	0.542*	-0.220	-0.001	0.127
Abdominal circumference (cm)	0.568	0.413	0.212	0.607	0.689	0.069	-0.247	0.036	-0.024	-0.195	0.261*	0.105	-0.164	-0.100	0.559*	-0.238	0.330	0.143
MUAC (cm)	0.772*	-0.164	0.294	0.587	0.746*	0.615	-0.45**	0.079	0.024	-0.034**	0.368**	0.085	0.100	0.368	0.489	0.154	0.188	0.072
Triceps ST (mm)	0.115	0.396	-0.177	0.246	0.268	0.281	-0.287*	-0.111	-0.116	-0.242	0.234	0.163	-0.068	-0.103	0.204	-0.066	0.295	0.040
Subscapular ST (mm)	0.584	0.255	0.195	0.481	0.643	0.441	-0.270*	-0.094	0.048	-0.208	0.263*	0.069	0.064	-0.041	0.322	0.028	0.324	0.389

AGA: Appropriate for gestational age, SGA: Small for gestational age, LGA: Large for gestational age, GA: MUAC: Mid Upper Arm Circumference, ST: Skinfold Thickness

*: p<0.05, ** p<0.01.