

Table 1: Demographic data of the participants

		Positive HG group (n=63)	Negative HG group (n=50)	P value
Age (years)	Mean $\pm$ SD	25.87 $\pm$ 4.11	28.12 $\pm$ 4.11	0.005*
	Range	18 - 36	19 - 37	
Residence	Sohag district	46 (73%)	24 (48%)	0.101
	Tema	2 (3.17%)	5 (10%)	
	Tahta	2 (3.17%)	5 (10%)	
	Gerga	7 (11.11%)	7 (14%)	
	Akhmim	3 (4.76%)	4 (8%)	
	Elmonshaa	1 (1.59%)	0 (0%)	
	Gehena	0 (0%)	2 (4%)	
	Elbalyana	1 (1.59%)	3 (6%)	
	Sagulta	1 (1.59%)	0 (0%)	

Mean $\pm$ SD or frequency (%) were used to represent data.

* Significant P value < 0.05. HG: Hyperemesis gravidarum.

Table 2: Number of feti, GA, CRL, number of vomits and signs of dehydration of the studied women

	Positive HG group (n=63)	Negative HG group (n=50)	P value
Number of feti	1.19±0.59	1.06±0.24	0.146
GA (weeks)	9.97±2.42	11.94±2.84	<0.001*
CRL (weeks)	10.4±4.07	11.94±2.84	0.025*
Number of vomit (times)	14.27±1.35	0.32±0.47	<0.00001*

Mean ± SD or frequency (%) were used to represent data.

* Significant P value < 0.05. GA: Gestational age

CRL: Crown-rump length, HG: Hyperemesis gravidarum.

Table 3: CBC, liver, and kidney function tests of the studied women

		Positive HG group (n=63)	Negative HG group (n=50)	P
CBC	HB (g/dl)	12.07±1.08	10.9±0.91	<0.001*
	HCT (%)	35.44±2.59	33.72±2.53	<0.001*
	PLT (×10 ⁹ /L)	263.02±72.34	203.28±29.16	<0.001*
Liver Function test	ALT (U/L)	29.43±29.6	28.94±10.08	0.911
	AST (U/L)	27.68±16.02	28.2±10.19	0.843
	D.bilirubin	0.48±0.21	0.37±0.09	<0.001*
	Ind.bilirubin	0.39±0.24	0.29±0.09	0.007*
	T.bilirubin	0.87±0.41	0.66±0.13	<0.001*
Kidney function test	S.creatinine	0.53 ± 0.13	0.56 ± 0.1	0.190

Mean ± SD or frequency (%) were used to represent data.

* Significant P value < 0.05. HG: Hyperemesis gravidarum, CBC: Complete blood count, HB: Hemoglobin, HCT: Hematocrit, PLT: Platelet, ALT: Alanine aminotransferase, AST: Aspartate aminotransferase, D.bilirubin: Direct bilirubin, Ind.bilirubin: Indirect bilirubin, T.bilirubin: Total bilirubin, S.creatinine: Serum creatinine.

Table 4: Minerals, urine analysis, and H.pylori test of the studied women

			Positive HG group (n=63)	Negative HG group (n=50)	P value
Minerals	Ca ⁺ (mmol/L)		1.05±0.1	1.03±0.11	0.508
	K ⁺ (mmol/L)		2.9±0.27	3.93±0.26	<0.001*
	Na ⁺ (mmol/L)		142.51±10.78	151.22±6.51	<0.001*
Urine analysis	Ketonuria	0	0(0.0%)	50(100.0%)	<0.001*
		+1	7(11.11%)	0(0.0%)	
		+2	30(47.62%)	0(0.0%)	
		+3	24(38.1%)	0(0.0%)	
		+4	2(3.17%)	0(0.0%)	
H. Pylori test	Positive		46(73.02%)	34(68.0%)	0.560
	Negative		17(26.98%)	16(32.0%)	

Mean ± SD or frequency (%) were used to represent data.

* Significant P value < 0.05. HG: Hyperemesis gravidarum, K⁺: Potassium, Na⁺: Sodium, Ca⁺: Calcium.