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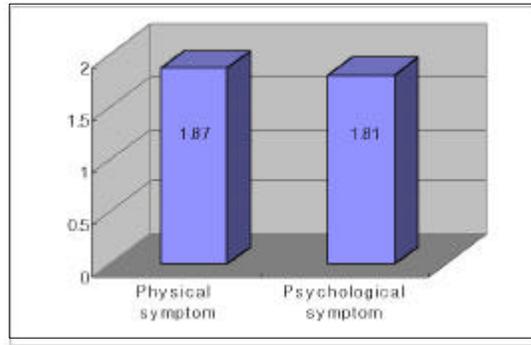
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Pearson Correlation Coefficient ,

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<Figure 1> The degree of physical, psychological couvade symptom experienced by subjects

92.0% 7 -40 31.9 ,
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<Table 1> The degree of couvade symptom experienced by subjects

No	Item	Mean	SD
1	I feel unwell as like to vomit.	1.67	.84
2	I vomit.	1.57	.85
3	I have constipation.	1.57	.76
4	I suffer from diarrhea.	1.67	.73
5	I have hemorrhoid.	1.52	.73
6	I have indigestion.	2.15	1.02
7	I have gases in the stomach.	1.93	.91
8	I feel an appetite.	2.28	.96
9	I lose my appetite.	1.94	.90
10	I would like to eat something.	2.21	.80
11	I urinate more often than ordinary times.	2.06	.93
12	I have back pain.	1.68	.80
13	I have headache.	1.81	.76
14	I have stomachache.	1.68	.72
15	I have headache.	1.50	.61
16	I have gum edema.	1.50	.62
17	I have gum bleeding.	1.61	.69
18	My body weight increased.	2.71	1.00
19	My body weight decreased.	1.68	.67
20	My body feel like swollen.	2.15	.96
21	my legs are swollen.	1.77	.81
22	I sensitive to smelling.	2.03	.84
23	My skin erupted.	1.86	.79
24	I feel itchy.	1.99	.89
25	I am gasping.	1.86	.80
26	I feel tired.	2.48	.84
27	I have insomnia.	1.74	.70
28	I feel dizzy.	1.71	.68
29	I have cramp on my legs.	1.69	.74
30	My muscles are tremble and convulsive.	1.65	.73
31	I feel hot than ordinary times.	2.06	.99

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<Table 2> The relationship between subject's general characteristics and degree of couvade symptom

Characteristics	Physical symptom		Psychological symptom		Total	
	r	p	r	p	r	p
Age of subject	-.169	.093	-.102	.312	-.159	.115
Age of pregnant woman	-.123	.221	-.124	.219	-.128	.203
Educational level of subject	-.215	.031*	-.158	.117	-.209	.037*
Pregnant weeks	-.232	.020*	-.176	.080	-.227	.023
Number of pregnancy	-.053	.598	-.118	.242	-.072	.477
Number of child	.100	.324	.066	.517	.095	.347
Family income	-.163	.106	-.278	.005**	-.198	.048
Physical condition of subject	-.272	.006**	-.159	.114	-.254	.011**

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 가 가 가 , (t = 2.030, p = .045),
 가 가 (t = 11.374, p = .000), (F = 3.551, p = .010), (t = 3.634, p = .001),
 4. (F = 3.364, p = .039), 가
 (F = 3.146, p = .047), 가
 (F = 3.477, p = .035) 가
 , (F = 2.781, p = .031),
 <Table 3> (t = 2.760, p = .011), 가 (F = 3.940, p = .023) 가 .
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 (t = 1.331, p = .186), 가 가
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 (t = .944, p = .347) 가 가 ,
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<Table 4> The difference of couvade symptom degree according to subjects' general characteristics

Characteristics	Classification	No	Physical symptom		Psychological symptom		Total	
			Mean	SD	Mean	SD	Mean	SD
Age of subject	Below 30	56	1.93	.48	1.85	.47	1.91	.46
	Above 31	44	1.78	.53	1.77	.46	1.78	.49
			t = 1.475, p = .144		t = .819, p = .415		t = 1.366, p = .175	
Age of pregnant woman	Below 28	54	1.96	.46	1.89	.46	1.94	.44
	Above 29	46	1.76	.53	1.72	.46	1.75	.49
			t = 2.030, p = .045*		t = 1.759, p = .082		t = 1.363, p = .044*	
Religion	Have	67	1.92	.49	1.84	.45	1.90	.46
	None	33	1.76	.51	1.76	.49	1.76	.49
			t = 1.477, p = .143		t = .821, p = .413		t = 1.368, p = .174	
Job	Have	98	1.88	.50	1.81	.46	1.86	.47
	None	2	1.28	.02	1.79	.53	1.41	.15
			t = 11.374, p = .000***		t = .062, p = .951		t = 1.331, p = .186	
Type of occupation	Business	8	2.01	.63	1.98	.51	2.01	.58
	Deskworker	51	1.97	.44	1.85	.46	1.94	.43
	Professional	29	1.61	.48	1.61	.39	1.61	.43
	Service	9	2.09	.52	2.05	.49	2.08	.50
	Student	1	2.29		2.25		2.28	
			F = 3.551, p = .010*		F = 2.781, p = .031*		F = 3.594, p = .009**	
Educational level	Below highschool	15	2.20	.36	2.06	.35	2.16	.35
	Above college	85	1.81	.50	1.77	.47	1.80	.47
			t = 3.634, p = .001**		t = 2.760, p = .011**		t = 3.506, p = .002**	
Wanted pregnancy	Yes	92	1.87	.51	1.80	.46	1.85	.48
	No	8	1.89	.49	1.93	.47	1.90	.45
			t = -.130, p = .897		t = -.736, p = .464		t = -.289, p = .773	
Pregnant period	1st trimester	6	2.33	.28	2.06	.27	2.26	.28
	2nd trimester	9	1.99	.43	1.97	.37	1.99	.41
	3rd trimester	85	1.82	.51	1.78	.48	1.81	.48
			F = 3.364, p = .039*		F = 1.637, p = .200		F = 3.065, p = .051	
Number of pregnancy	First time	71	1.88	.46	1.86	.45	1.88	.44
	Above 2 times	29	1.83	.59	1.69	.47	1.79	.48
			t = .503, p = .616		t = 1.706, p = .091		t = .824, p = .412	
Child	Have	9	2.03	.72	1.91	.46	2.00	.63
	None	91	1.85	.48	1.80	.46	1.84	.46
			t = .714, p = .494		t = .651, p = .517		t = .944, p = .347	
Family income	Under 200	32	2.00	.45	1.90	.52	2.21	.40
	200- under 300	38	1.87	.56	1.89	.42	1.87	.46
	Above 300	30	1.70	.47	1.62	.41	1.58	.39
			F = 3.146, p = .047*		F = 3.940, p = .023*		F = 16.822, p = .000***	
Physical condition of subject	Weak	8	2.18	.50	2.01	.41	2.14	.47
	Moderate	22	2.01	.53	1.89	.49	1.98	.51
	Healthy	70	1.79	.48	1.76	.45	1.78	.45
			F = 3.477, p = .035*		F = 1.494, p = .229		F = 3.151, p = .047*	

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- Abstract -

Couvade Syndrome of Pregnant Women's Spouses

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Chang, Eun Young³⁾

Purpose: This study was intended to investigate the types and seriousness of the couvade syndrome, pregnancy-related physical and psychological symptoms among expectant fathers whose spouses were pregnant. **Method:** The subject was consists of 100 expectant fathers at one hospital in Seoul, Korea. The pregnant women had not been diagnosed any medical complication. Data were analyzed by SPSS/PC program. **Result:** 1) The total mean score was 1.85: the mean score of perceived physical symptoms (1.87) revealed higher than the mean score of psychological symptoms (1.81). 2) With the respect to the general characteristics of subjects, there were statistically significant correlations between subject's level of education and couvade symptoms ($r = -.209$, $p = .037$), gestational age and couvade symptoms ($r = -.227$, $p = .023$),

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family total income and couvade symptoms ($r = -.198$, $p = .048$), perceived self health status and couvade symptoms ($r = -.254$, $p = .011$). 3) With the respect to the general characteristics of subjects, there were statistically significant differences in pregnant woman's age ($t = 1.363$, $p = .044$), occupation of subject ($F = 3.594$, $p = .009$), educational level of subject ($t = 3.506$, $p = .002$), family total income ($F = 16.822$, $p =$

$.000$), perceived self health status ($F = 3.151$, $p = .047$). Conclusion : Couvade syndrome is an issue for nurses who perform an important role in the care of pregnant women and their spouses.

Key words : Pregnant women, Spouse, Couvade syndrome