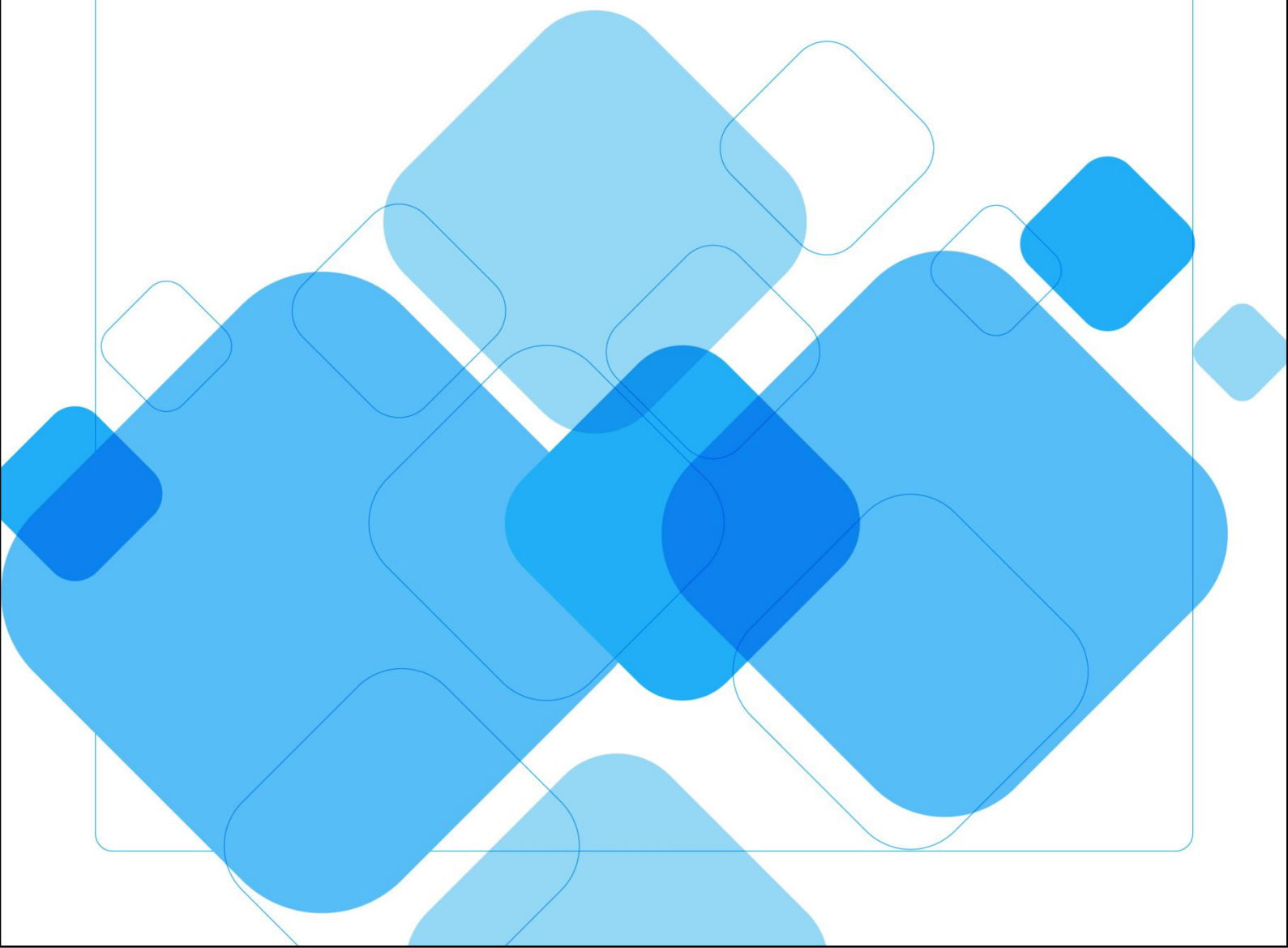




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# PhD IN MEDICAL RESEARCH: QUANTITATIVE RESULTS SERVICE



## Message from PhD in Medical Quantitative Results Service Expert

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## Order Information

Order code: HTS-SAM-004-2020

## PhD Quantitative Results Summary

Requirement	Dissertation- PhD Dissertation
Service Type	PhD Quantitative Results Service, Elite

## Background

### Results

#### Patient Demographics

**Table 1: Difference in the mean of age and BMI between OHSS and Non-OHSS**

	<b>OHSS (n=XX)</b>	<b>Non-OHSS (n=XX)</b>	<b>p value</b>
Age (y)	29.6±3.7 (25-38)	34.3±4.7 (19-45)	<b>0.01**</b>
BMI (Kg/m <sup>2</sup> )	25.9±3.3 (21-31)	25.0±8.0 (19-35)	0.26 (N.S)

Note: Values are mean SD; OHSS = ovarian hyperstimulation syndrome; \*\*p<0.01, values in parenthesis indicates range.

Table 1 revealed the difference in mean age and BMI between OHSS and Non-OHSS groups. Patients in the non-OHSS group had significantly higher mean age (34.3±4.7) than the OHSS group (29.6±3.7). However, such a difference was not observed for BMI.

#### Stimulation Characteristics

**Table 2: Difference in the mean of Stimulation Characteristics between OHSS and Non-OHSS**

	<b>OHSS (n=XX)</b>	<b>Non-OHSS (n=XX)</b>	<b>p value</b>
Long Protocol	9 (64.3%)	681 (51.1%)	
Short cetrotide Protocol	5 (35.7%)	645 (48.4)	
Natural cycle	0	7 (0.5%)	
Starting dose (IU/day)	265.2±102.4 (150-450)	261.5±112.6 (150-600)	0.76 (N.S)
Duration of Stimulation (days)	10.4±1.8 (8-14)	10.4±2.0 (8-20)	0.95 (N.S)

Total dose used (number of ampoules of 75 IU)	39.6±17.4 (16-72)	38.4±20 (20-144)	.600
No. of eggs collected	18.8±9.2 (5-35)	10.6±6.9 (0-51)	<b>0.01**</b>

Note: Values are mean SD; OHSS = ovarian hyperstimulation syndrome; \*\*p<0.01, values in parenthesis indicates range.

Table 2 revealed the difference in mean Stimulation Characteristics between OHSS and Non-OHSS groups. Majority (64.3%) of patients in the OHSS group had a long protocol, whereas only 51% of patients in the Non-OHSS group had a long protocol. .... was no difference in mean starting dose (IU/day), duration of Stimulation (days) and total dose used between OHSS and Non-OHSS groups.

**Table 3: Logistic Regression Analysis to predict the development of OHSS**

	Odds Ratio	95% CI	P value
Age	0.896	0.774-1.037	.142 (N.S)
BMI	1.013	0.975-1.051	.514 (N.S)
Starting Dose	0.992	0.973-1.011	.400 (N.S)
Duration of Stimulation	0.684	0.335-1.397	.300 (N.S)
Total dose	1.068	0.935-1.221	.332 (N.S)
Eggs collected	1.087	1.015-1.163	<b>0.05*</b>

Note: Values are mean SD; OHSS = ovarian hyperstimulation syndrome; \*p<0.05, values in parenthesis indicates range.

Logistic regression was performed to ascertain the effect of age, BMI, starting dose, duration of stimulation, total dose and eggs collected within the OHSS group (Table 3). .... The odds ratio of having OHSS is 1.087 times greater for eggs collected. The strongest predictor of OHSS ...