**PWE-091 OESOPHAGOGASTRIC OUTFLOW OBSTRUCTION
SUBTYPE, SEVERITY AND DEGREE OF DYSPHAGIA**

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Introduction Oesophagogastric outflow obstruction (OGJOO) may coexist with minor and major oesophageal motility disorders. It is unknown whether there is a severity in the OGJOO that may influence the oesophageal body motility and dysphagia symptoms.

Method Patients with OGJOO diagnosis based Chicago classification [1] between September 2014 to December 2018 were audited. The patients were subtyped into having normal motility, minor motility disorders (fragmented peristalsis & ineffective oesophageal motility) and major motility disorders (Jackhammer oesophagus). The HODQ score was used assess the severity of dysphagia.

Statistical analysis involved using the ANOVA test.

Results Patient demography is F:M=144:58 (aged between 1–9 years). 57.9% of patients had normal oesophageal motility, 34.7% of patients had minor oesophageal motility disorders and 7.43% had major oesophageal motility disorders.

The mean and 95% CI of IRP in patients with normal oesophageal motility, minor motility disorders and major motility disorders were respectively 20.1[21.–9.0], 20.3[21.–9.1] and 29.8[21.–7.9].

Testing revealed statistical difference in the IRP between groups ($F/F_{critical}=1.6$, $p=0.0026$) and the HODQ scores ($F/F_{critical}=1.41$, $p=0.0080$) (see table 1 for details).

Conclusion There seems to be some statistical correlation between severity of OGJOO, oesophageal body motility and the degree of patients' dysphagia. The subtyping of OGJOO may allow classifications to be linked to treatment pathways in the various severity of OGJOO.

REFERENCE

1. Kahrilas PJ, et al. 2015, *Neurogastroenterol Motil.*, vol.27(2):p160–174.

Abstract PWE-091 Table 1

SUMMARY

Groups	Count	Sum	Average	Variance
IRP -Normal Motility	116	2333.4	20.1155	34.2891
IRP -Minor Motility Disorders	70	1423.7	20.3385	25.7221
IRP -Major Motility Disorder	10	298.4	29.84	170.456

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	884.153	7	126.307	3.27430	0.00263	2.05856
Within Groups	7252.18	188	38.5754			
Total	8136.33	195				

(a)

SUMMARY

Groups	Count	Sum	Average	Variance
HODQ -Normal Motility	69	883	12.7971	142.6168
HODQ -Minor Motility Disorders	46	536.25	11.65761	145.126
HODQ -Major Motility Disorders	11	316	28.72727	145.2182

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	2731.491	6	455.2486	3.064036	0.007991	2.175659
Within Groups	17680.79	119	148.5781			
Total	20412.28	125				

(b)