

Study	Population	Intervention	Results						Validity/Conclusion
Abell et al, 2003	Inclusion criteria:	The study was conducted	Phase I results						The study was a
Study type:	1. More than 7 episodes of	-							double-blind,
Crossover RCT.	vomiting per week. 2.	Canada, and Europe.			OFF mode ON mode		e	Р	multicenter cross-
Ologovor Kori	Delayed gastric emptying	All patients underwent						value	over, RCT. However,
Objective:	(>10% at 4 hours, or >60%	implantation of the GES	All patients						it had several
To investigate the	at 2 hours). 3. Symptoms of		WVF*		13.5 (5.5-24	1.4) 6.8 (3.9-	16.5)	< 0.05	disadvantages: It was
efficacy of gastric	gastroparesis longer than	via laparotomy.	TSS**		13.9 <u>+</u> 1.1	12.5 <u>+</u> 1			a very small study
electrical stimulation	12 months, 3.Unresponsive		Diabetic patients						originally planned to
(GES) for the	or intolerant to 2 of 3	Patients were randomized	WVF*		12.8 (5.5-24			=0.16	enroll 80 patients but
treatment of	classes of prokinetic and	to stimulation either ON or	TSS** Idiopathic patients		13.2 <u>+</u> 1.7	<u>+</u> 1.7 11.3 <u>+</u> 1.5		NS	was stopped after
gastroparesis	antiemetic drugs.	OFF which stared after			13.8 (5.4-27	-27.8) 12.8 (4.0-20.3)		=0.16	enrolling only 33
unresponsive to	Exclusion criteria:	recovery from surgery	TSS**		14.8 <u>+</u> 1.3			NS	patients. All patients
standard medical	Documented intestinal	(mean 5.6+3.3 days). At	_			_			were highly
therapy.	pseudo-obstruction, prior	the end of the first month,	* Weekly vomiting frequency: median (Interquartile range)						symptomatic, GES
''	gastric surgery, vagotomy,	the neurostimulator was	** Total symptom score: mean (standard deviation)						was not compared to
Primary outcome:	organ transplantation,	programmed to the	According to the data presented to FDA the vomiting episodes /week at was other therapies, and						
of phase I (RCT):	primary swallowing	opposite mode for one	47.6+52.6 at baseline, 23.0±35.5 in the ON mode and 29.0±38.2 in the OFF patients were kept on						
Difference in	disorders, chemical	month.	mode (difference between OFF-ON was 6.0±22.4 (non-significant) their medications and						
vomiting frequency	dependency, pregnancy,	Phase II of the study:	Median 26.3 at baseline, 12.0 ON, and 14.0 OFF difference 2.0 (NS)						
with stimulation OFF	psychogenic vomiting,	At the end of the crossover	during the study. The						
vs. ON.	medical instability, or high	period, the device was	Phase II results: study lacked a						
Secondary	surgical risk.	programmed ON for all	6 and 12 months results compared to baseline*						washout period
outcomes:	Patient Characteristics:	patients for 11 additional		baselir	ne	6 months	12 m	onths	between stages of the
Patient preference,	Mean age 38.9 years	open-label months.							study. This makes it
QoL, upper GI	(range 19-65), 72.7%	Patients were evaluated at	All patients	n=33	4.0.45.5\	n=27	n=24		hard to determine
symptoms, gastric	females, mean BMI 23.8	baseline, and at 1, 2, 6,	WVF TSS	17.3 (1 16.8 <u>+</u> (	1.8-45.5)	2.6 (0.6-12.0)	,	0.1-7.6)	whether the
emptying, and	kg/m <sup>2</sup> , mean duration of	and 12 months.	Diabetic	n=17	0.9	11.1 <u>+</u> 1.3 n=13	n=11	<u>+</u> 1.3	improvement in
adverse events.	GP symptoms 6.3 years	All patients were required	WVF	13.4 (8	.8-55.6)	2.6 (0.9-12.5)		0.1-7.4)	symptoms was
	(range 1-28 y), median	to record daily vomiting	TSS	16.8 +		10.7 + 1.7	9.2 +		actually due to the
N of patients:	weekly vomiting	episodes in a 28-day diary	Idiopathic	n=16		n=14	n=13		treatment or just a
N=33	episodes17.3, vomiting and	for diabetic patients, and 2-	WVF	•	3.0-38.4)	3.0 (0.2-13.8)	,	2.5-7.0)	placebo effect of the
Blinding:	nausea severity scores 3.3	week diary for idiopathic	TSS	16.9 <u>+</u>	1.3	11.6 <u>+</u> 1.9	13.2	<u>+</u> 2.0	therapy.
Double-blind for 2	and 3.5 respectively. 78%	gastroparesis. Gastric	The results for phase I * p<0.05 at 6 and 12 months vs. baseline for all comparisons						
months.	retention at 2 hours, 34%	retension was evaluated	(It is to be noted that the follow-up rate was lower in the study data significant decre						
	at 4 hours. 76% were	after a solid meal at							
Follow-up:	receiving antiemetics, 85%	baseline, and at 6 and 12	provided to the FDA (25 at 6 month and 15 at 12 months)  WVF (and not for						
2 months RCT,	prokinetics, 15% were on	months using a	Adverse events necessitating removal of the device:  TSS) in all patients but not in the diabetic						
followed by 10	enteral feeding tubes, and	standardized scintigraphy	N Dat not in the d						
months	27% on total parenteral	method and a low-fat test	Unfaction of the province provides a product						
nonrandomized	nutrition. The etiology of	meal. QoL was assessed	The state of the s						
open- label.	the gastroparesis was	at baseline and at 1, 2, 6,	Dulas granavatar avasian through aking 4 (201)						
ITT englysis:	diabetes in 51.5% and	and 12 months using SF-	Dulas generator migration requiring ourginal intervention to						
ITT analysis:	idiopathic in 48.5% of the	36 Health Status Survey	inom that presented to						
Yes for phase I.	subjects.	questionnaire.	1						the FDA.

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