# **Enteric Conversion after Bladder-drained Kidney-Pancreas Transplantation** S Sivan, M Ortigosa-Goggins, M Patel, M Morsi, L Chen, J Figueiro, G Ciancio, G Burke Miami Transplant Institute

### Introduction

In simultaneous kidney-pancreas transplantation (SPK), bladder (BD) and enteric (ED) are bot options for pancreaticoduodenal exocrin drainage. While BD provides good early and lor term SPK survival, it is associated wit metabolic, urological and pancreati complications leading to need for enter conversion (EC). We report our single center experience in SPK patients (pts) who underwer EC after initial BD.

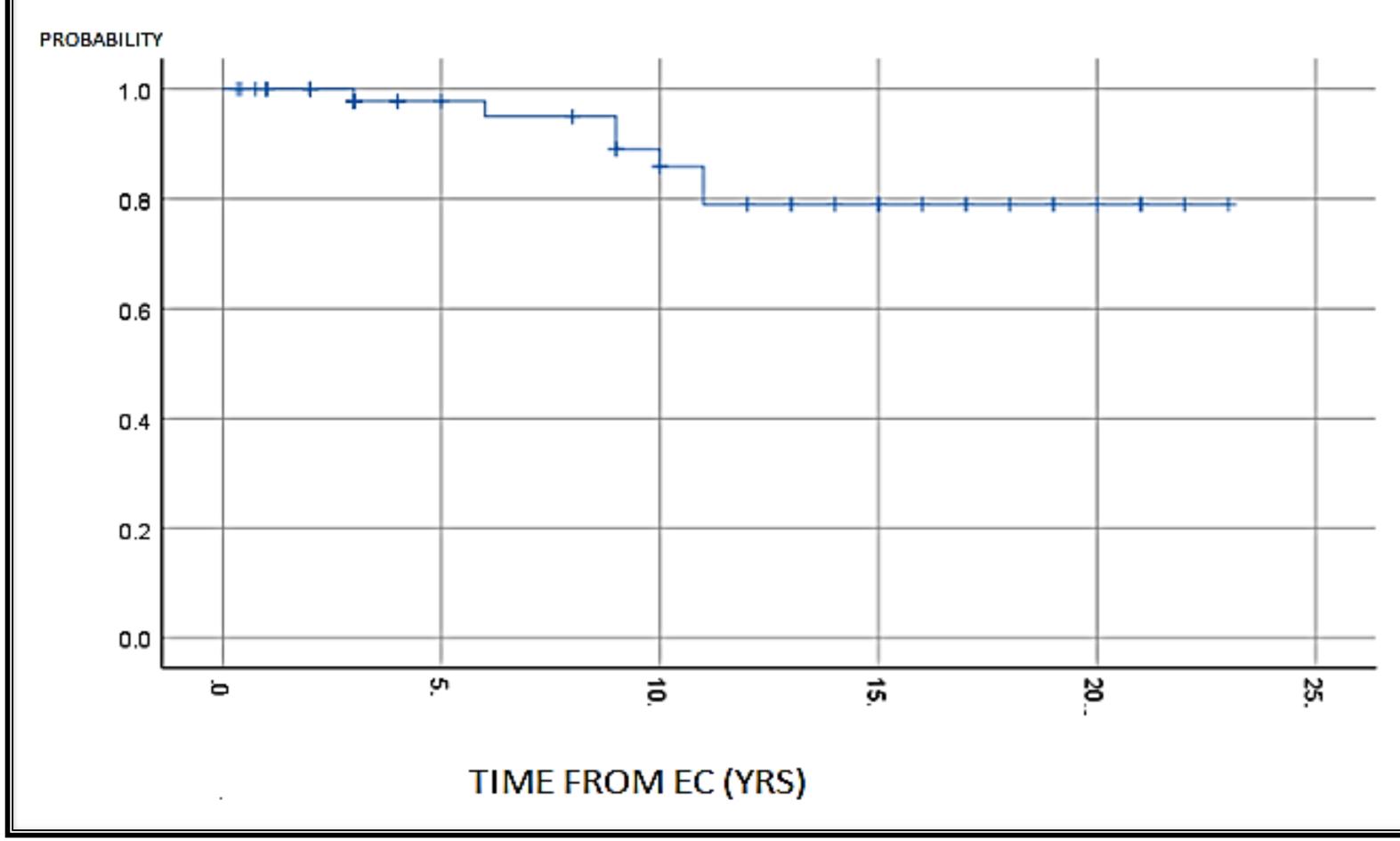
## Methods

Between 1990 and 2019, we performed 54 SPK, of which 474 were BD and 67 were EI We retrospectively studied pts who underwer EC. Indications for EC, time from SPK to EC resolution of symptoms, complications an pancreas graft survival were analyzed.

### Results

56/474 pts underwent EC (11.8%). The mean time to EC was 4.5 years (yrs) with intervals < yr = 19(33.9%), 1-5 yrs = 20(35.7%)5-10yrs=7(12.5%), 10-20 yrs = 10 (17.8%). (10.7%) pts had surgical complications post E and 4 required re-exploration wit ileoduodenostomy (bailout) operation for duodenal leak. Graft rejection was observed 3 pts (5.3%) after EC and all were done 6-1 months post-transplant, time from EC to rejection was 3weeks-39months. The mean follow-up after EC was 5.7 yrs (median 4.25 yrs). The mean interval between EC and GL was 4.1 yrs.

	F	Jationt dict	ribution in	cohort				
on th ne	Indications	Total:56 N (%)		Resolution of symptoms	Pancreas GL N (%) 7/56(12.5%)			
ng th tic ric ter	Urological Pelvic Congestion syndrome	3 (5.3%)	15.1		0			
	Recurrent UTI Hematuria		4.3 8.56	63.6% 100%	0 1/6 (16.6%)			
41 D. ent EC <i>,</i> nd		9 (16%)	4.29	100%	1/9(11%)			
		14 (25%) 7 (12.5%)	2 2.6	100%	4/14 (28.5%) O			
	Leak	3 (5.3%)	0.33	100%	1/3 (33.3%)			
an <1	Other3 (5.3%)17.3#0Death Censored Graft Survival (Pancreas)							
6), 6 EC								
th <sup>F</sup> or in	0.8			<b>₩</b>				
12 to	0.4							



### Graft loss Total n=7

Patient	Indication for EC		Time to GL from EC	Cause of GL
1	Hematuria	10-20 yrs	20	
2	Dehydration	10-20 yrs	6	Rejection at the time of conversion
3	Dehydration	1-5 yrs	74	Pancreas autoimmunity s/p pancreatectomy
4	Dehydration	1-5 yrs	87	Pancreatectomy due to GIB
5	Dehydration	1-5 yrs	88	
6	Pancreatitis	1-5 yrs	75	
7	Leak	<6 months	2	

## Conclusion

- Low rate of Conversion at 11.8% future.
- 2020
- simultaneous pancreas-kidney transplants. Ann Surg 1998: 228: 284.







 Persistence of UTI post-conversion indicates the cause UTI could be T1D related neurogenic bladder and should not be an indication for conversion by itself. Long term (>10 yrs) euglycemia is possible after Bladder-drained pancreas transplantation with the caveat that EC may be necessary at some point in the

### References

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