

Table 2 - Outcomes

	Developed HE			Did Not Develop HE		
	# of Patients	Frequency (%)	Median ± IQR	# of Patients	Frequency (%)	Median ± IQR
Demographics						
All	40	100.0%		540	100.0%	
Age						
Sex (% male)	22	55.0%		337	62.4%	
Race						
— African American	2	5.0%		47	8.7%	
— AI or AN	1	2.5%		4	0.7%	
— Asian	0	0.0%		2	0.4%	
— Caucasian	36	90.0%		459	85.0%	
— Unknown/Other	14	35.0%		28	5.2%	
BMI						
Baseline Laboratory Values						
WBC			6.8 ± 5.4			6.6 ± 4.5
HGB			10.8 ± 3.7			11.5 ± 3.5
PLT			98 ± 90			129 ± 100
Na			136 ± 6			138 ± 5
Cr			1.09 ± 0.51			0.96 ± 0.62
Albumin			3.0 ± 0.6			3.6 ± 1.0
Bilirubin, total			1.7 ± 2.2			0.9 ± 1.0
INR			1.3 ± 0.3			1.1 ± 0.3
Home Medications						
Lactulose	22	55.0%		99	18.3%	
Rifaximin	16	40.0%		40	7.4%	
Preoperative Medications						
Lactulose	10	25.0%		23	4.3%	
— Total Dose			70 ± 74			40 ± 70
Rifaximin	6	15.0%		14	2.6%	
Diuretics	2	5.0%		21	3.9%	
Nonselective Beta Blockers	1	2.5%		5	0.9%	
Postoperative Medications						
Lactulose	14	35.0%		44	8.1%	
— Total Dose (24hr postop)			5 ± 40			20 ± 40
— Total Dose (48hr postop)			50 ± 115			40 ± 45
Rifaximin	11	27.5%		26	4.8%	
Opioids	25	62.5%		352	65.2%	
Acetaminophen	8	20.0%		240	44.4%	
NSAIDs	3	7.5%		56	10.4%	

Anti-psychotics	0	0.0%		0	0.0%	
Benzodiazepines	7	17.5%		61	11.3%	
Cirrhosis Details						
Etiology						
— Alcohol-related	15	37.5%		187	34.6%	
Complications						
— Hx of Ascites	31	77.5%		327	60.6%	
— Hx of Varices	28	70.0%		172	31.9%	
— Hx of HE	29	72.5%		260	48.1%	
— Hx of TIPS	6	15.0%		54	10.0%	
Disease Severity Scoring						
— MELD-Na			15.8 ± 10.1			10.1 ± 8.0
— CCI			8 ± 4			5 ± 6
— ASA classification			4 ± 1			3 ± 1
— 30-day Mortality Risk (Mayo)			12% ± 21%			6% ± 9%
Surgery Details						
Scheduled (%)	12	30.0%		292	54.1%	
Type of Surgery						
— Abdominal	0	0.0%		70	13.0%	
— Abdominal, Nonbowel	11	27.5%		182	33.7%	
— Cardiac	12	30.0%		79	14.6%	
— Head & Neck	4	10.0%		31	5.7%	
— I&D	0	0.0%		5	0.9%	
— IR Biopsy	1	2.5%		1	0.2%	
— OB	0	0.0%		1	0.2%	
— Orthopaedic	7	17.5%		103	19.1%	
— Spine	0	0.0%		24	4.4%	
— Thoracic	0	0.0%		15	2.8%	
— Vascular	5	12.5%		29	5.4%	
Hospital Course						
LOS			26 ± 25			7 ± 9
In-hospital Mortality	8	20.0%		22	4.1%	
Incidence of HE	40	6.9%		N/A	N/A	
Time to HE (days)			4.0 ± 8.3			N/A
Duration of HE (days)			4.0 ± 3.0			N/A