

Enhanced Recovery After Surgery (ERAS): Colorectal Overview

Initial Results: July 2014 to Dec 2104

	Historic Controls 2013	ERAS 2014
N	177	126
LOS (from POD 1, days)	5.3	4.2
Time to flatus (days)	3.4	2.3
Time to toleration of diet (days)	4.1	2.6
Intraoperative crystalloid (ml)	2181	1651
Intraoperative colloid (ml)	192	583
SSI	9.0%	3.2%
Deep wound infections	1.1%	3.2%
Anastomotic leak	6.2%	1.6%
Acute kidney injury	3.4%	2.4%
CHF	1.7%	0.8%
Arrhythmia	15.7%	1.6%
Cardiac ischemic events	0	0
Pneumonia	0.6%	0.8%
Transfusion	3.4%	10.3%
Re-operation	1.7%	3.2%
Re-admission >48 hr	10.7%	7.9%
DVT/PE	1.7%	0.8%

BWH ACS NSQIP COLORECTAL POST-OP OCCURRENCE RATES ALL CASES REVIEWED

	4/1/13 – 9/30/13	4/1/14 – 9/30/14	4/1/15 – 9/30/15
# OF CASES	286	235	147
OCCURRENCE RATE	32.2%	25.1%	18.4%

READMISSION WITHIN 30 DAYS	13.6%	14.5%	6.8%
RETURN TO OR WITHIN 30 DAYS	2.4%	4.7%	3.4%
LOS (median)	6	5	4
DEATH W/IN 30 DAYS	2 (0.7%)	4 (1.7%)	2 (1.4%)
SSI	31 (10.8%)	11 (4.7%)	2 (1.4%)
DEEP INCISIONAL SSI	3 (1.0%)	1 (0.4%)	3 (2.0%)
ORGAN SPACE SSI	13 (4.5%)	11 (4.7%)	6 (4.1%)
WOUND DISRUPTION	1 (0.3%)	0	1 (0.7%)
PNA	3 (1.0%)	7 (3.0%)	2 (1.4%)
UNPLANNED INTUB	4 (1.4%)	6 (2.6%)	2 (1.4%)
PE	4 (1.4%)	2 (0.9%)	0
VENT > 48 HOURS	5 (1.7%)	6 (2.6%)	4 (2.7%)
RENAL INSUFF	1 (0.3%)	1 (0.4%)	1 (0.7%)
ARF	1 (0.3%)	2 (0.9%)	1 (0.7%)
UTI	10 (3.5%)	3 (1.3%)	3 (2.0%)
CVA	0	1 (0.4%)	1 (0.7%)
CPR	1 (0.3%)	0	1 (0.7%)
MI	1 (0.3%)	0	0
TRANSFUSION	32 (11.2%)	22 (9.4%)	16 (10.9%)
DVT	8 (2.8%)	4 (1.7%)	1 (0.7%)
CDIFF			2 (1.4%)
SEPSIS	11 (3.8%)	7 (3.0%)	5 (3.4%)
SEPTIC SHOCK	8 (2.8%)	3 (1.3%)	1 (0.7%)