Splenic Bleeding during SG

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XXVII IFSO World Congress

Melbourne Convention and Exhibition Centre 3 - 6 September 2024

Conflicts of Interest

- Intuitive consultant, travel stipend
- Medtronic consultant, travel stipend
- Moon Surgical consultant, travel stipend

Splenic bleeding during SG

- Bleeding is 0.6% of SG in the MBSAQIP
- SLR is protective





SURGERY FOR OBESITY AND RELATED DISEASES

Surgery for Obesity and Related Diseases 15 (2019) 1675-1681

Original article

Predictors and outcomes of bleed after sleeve gastrectomy: an analysis of the MBSAQIP data registry

Valentin Mocanu, M.D. a, Jerry Dang, M.D. Farah Ladak, M.P.H, M.D. A, Noah Switzer, M.P.H., M.D, F.R.C.P.C. Daniel W. Birch, M.Sc., M.D., F.R.C.S.C. A, Shahzeer Karmali, M.P.H., M.D., F.R.C.S.C. a,b



Table 2 LSG complications in patients with and without a bleed

	Nonbleed	Bleed	P Value
	n = 174,237	n = 1116	
Mortality	122 (.07)	11 (.99)	<.001
Serious complication	3568 (2.1)	-	
Any complication	4366 (2.5)	-	
Cardiac complication	84 (.1)	17 (1.5)	<.001
Pneumonia	198 (.1)	18 (1.6)	<.001
AKI	153 (.09)	33 (3.0)	<.001
Pulmonary embolus	428 (.3)	13 (1.2)	<.001
Deep SSI	275 (.2)	29 (2.6)	<.001
Wound disruption	47 (.03)	4 (.4)	<.001
Reoperation 30 d	1112 (.6)	352 (31.5)	<.001
Intervention 30 d	1582 (.9)	132 (11.8)	<.001
Readmission 30 d	5320 (3.1)	269 (24.1)	<.001

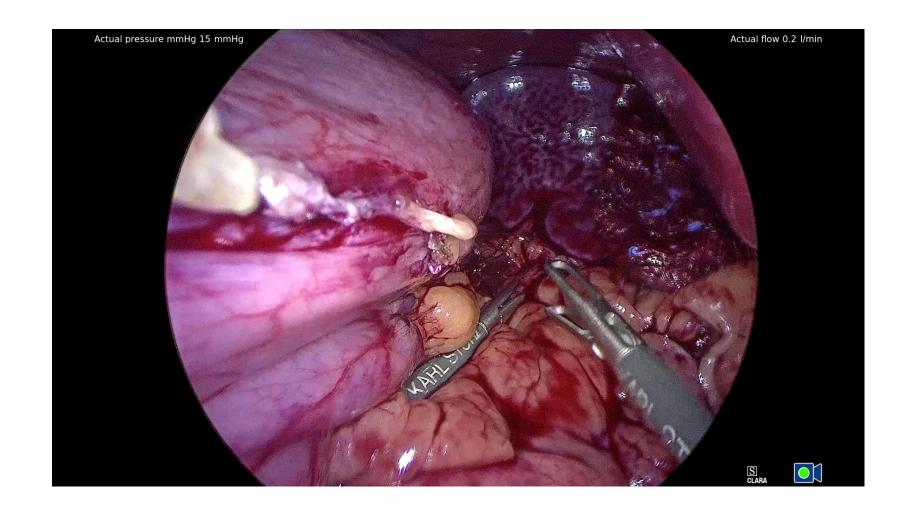
LSG = laparoscopic sleeve gastrectomy; AKI = acute kidney injury; SSI = surgical site infection.



Sources of bleeding

- Staple line
- Omentum
- Spleen
- Ab wall

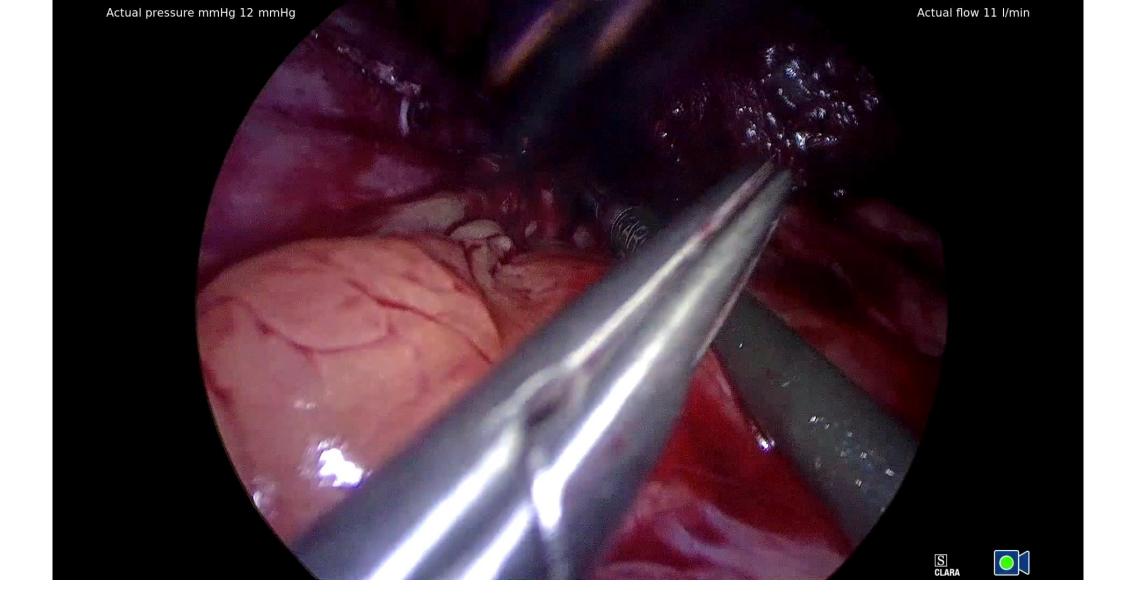




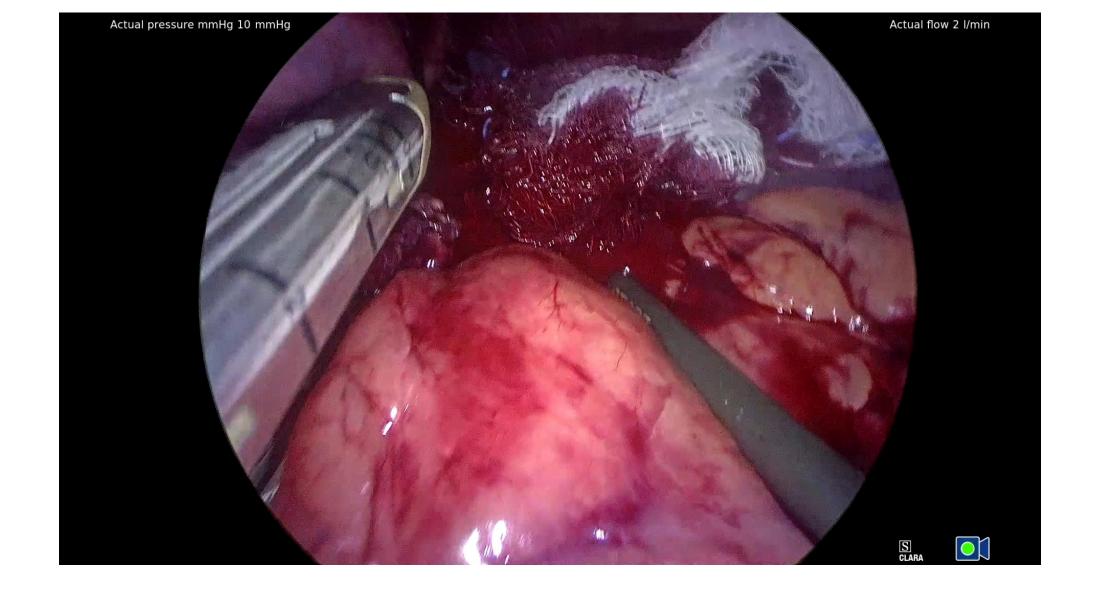




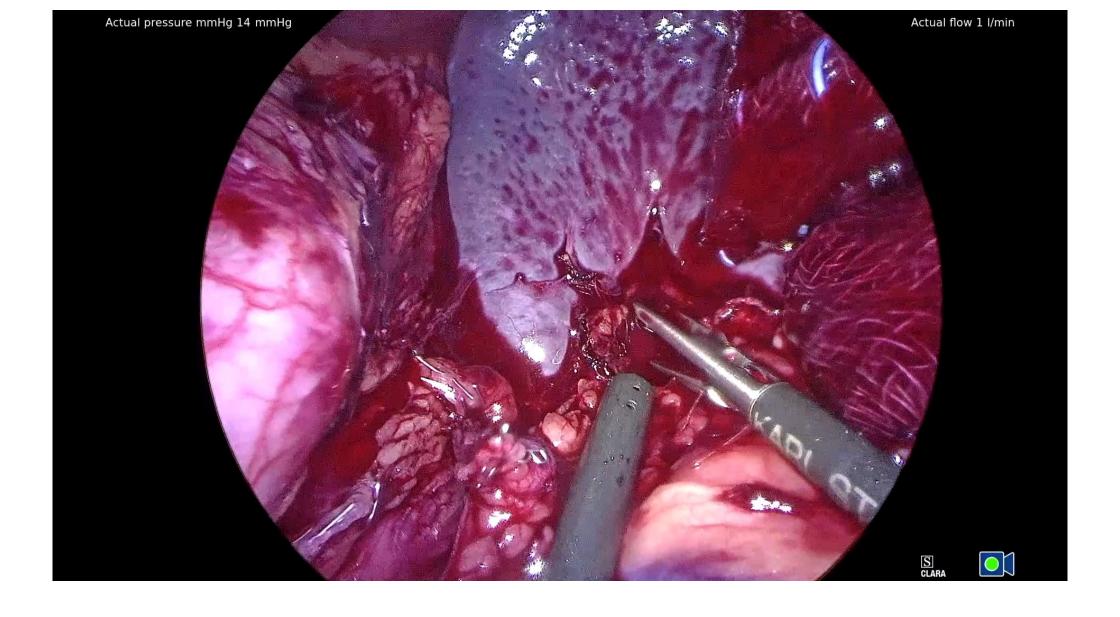




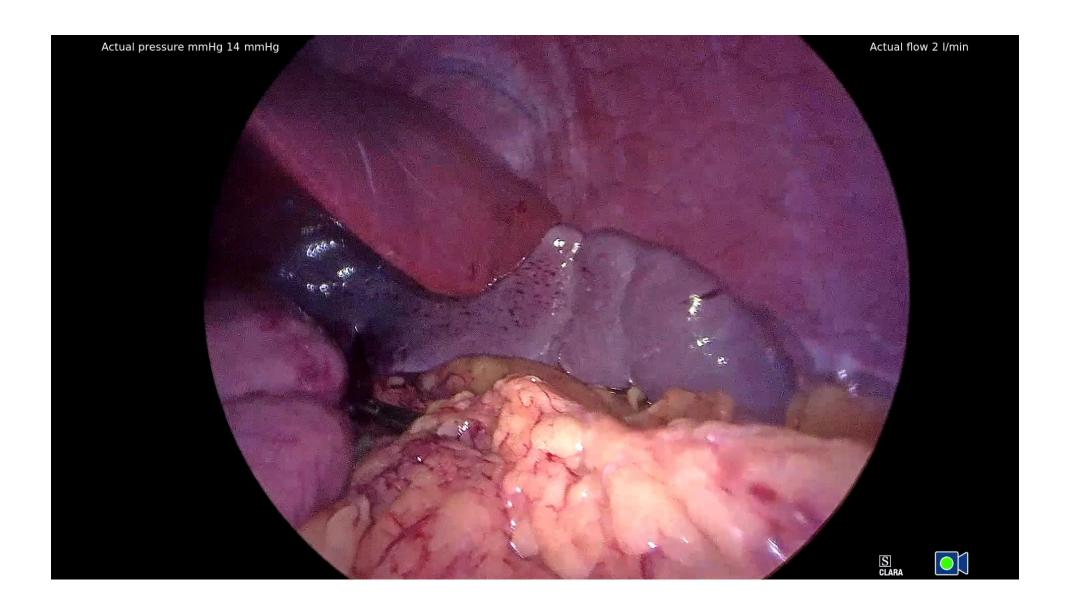




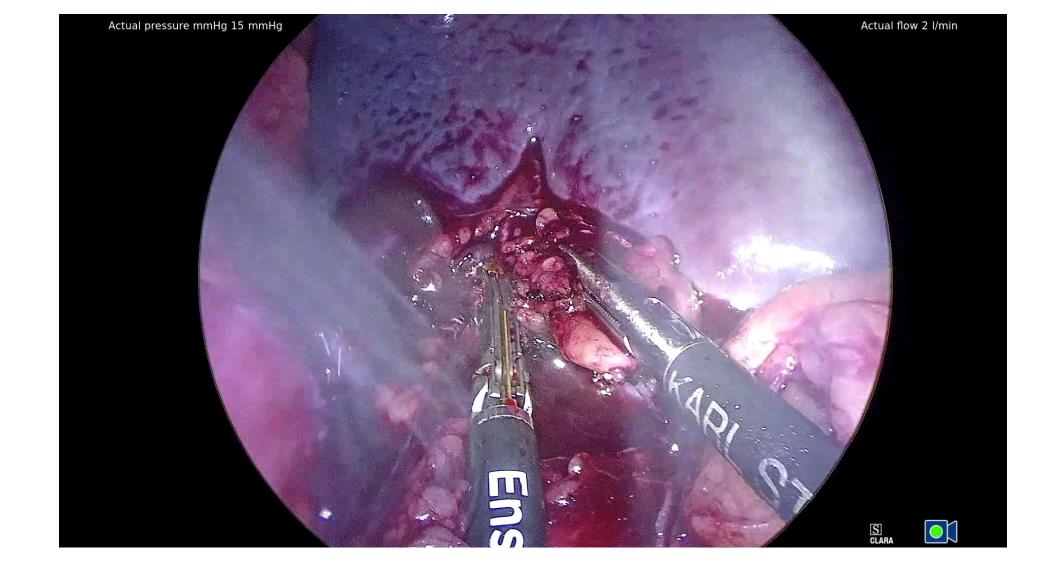




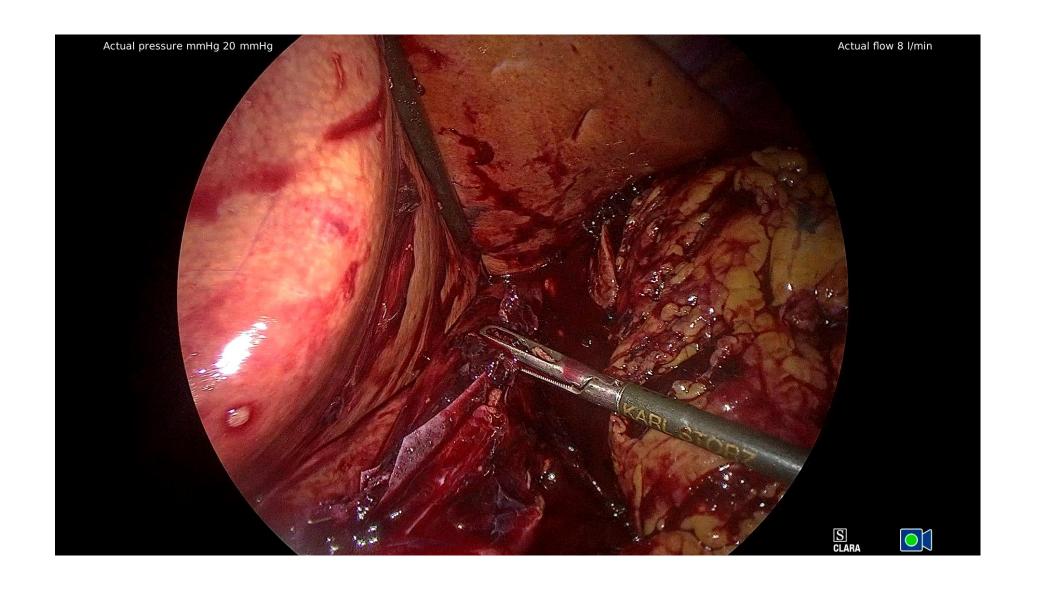




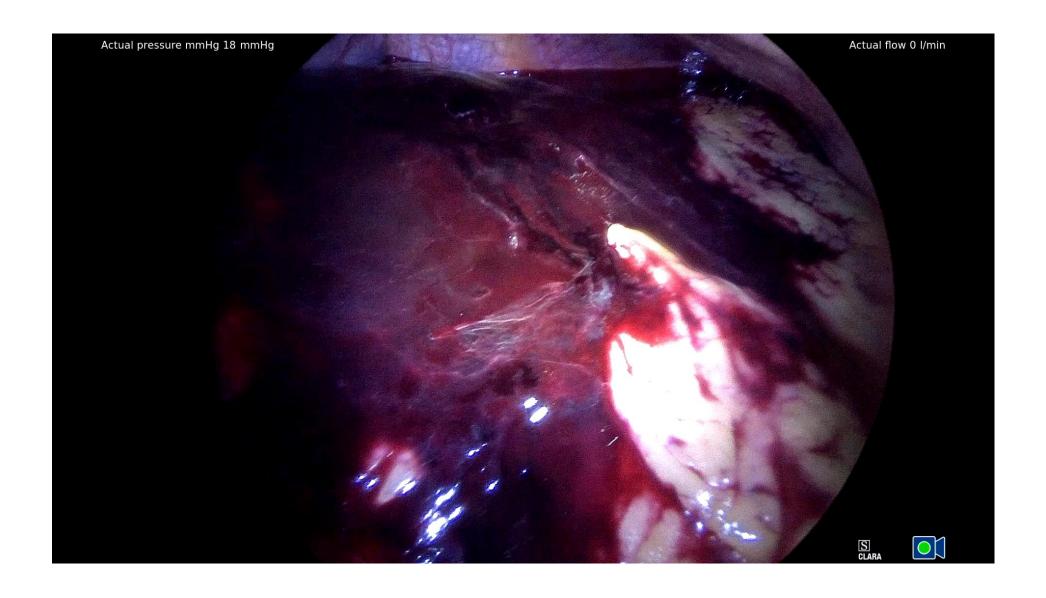














Bleeding after SG

- Can be life threatening
- Can be observed
- Prompt exploration in unstable patients
 - Clinical decision
 - Watch H/H
 - Vital signs



Conclusions

- Prompt action often necessary
- Be ready
 - Large suckers
 - Type and cross
 - Be ready to open
- Prevention is best treatment

