Products	Biovac® direct suction device
Procedural Area	Bleed Management
Article	Immediate unprepared hydroflush colonoscopy for severe lower GI bleeding: a feasibility study
Publication	Gastrointestinal Endoscopy 2012 Volume 76, No. 2
URL	http://dx.doi.org/10.1016/j.gie.2012.03.1391
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Purpose	To evaluate the practicality, safety, and results of using hydroflush colonoscopy to prepare the colon during an emergency lower GI bleed
Key Points	BACKGROUND - Urgent colonoscopy requires an immediate oral bowel preparation, which delays diagnosis and therapy - The use of water jets and mechanical suction devices can potentially improve visualization in a timelier manner STUDY METHODS - Hydroflush colonoscopy (combination of water-jet pump irrigation and the **Biovac® direct suction device**) was used to cleanse the colon - Performed during 13 procedures on patients with bloody bowel movement within the past 24 hours, admission to the intensive care unit, and other criteria - Outcomes were measured primarily by the percentage of hydroflush procedures that resulted in a satisfactory examination of the entire colon - Visualization of the bleeding site, ICU stay, hospital stay, recurrent bleed rates and transfusion requirements were also measured RESULTS - **100% of the procedures were deemed to have adequate visualization** - 69.2% of the procedures resulted in a complete examination of the colon - A diagnosis (presumptive/definite) was made in 100% of the procedures - A definitive diagnosis was made in 38.5% of the procedures - Median ICU and hospital stay were 1.5 and 4.3 days, respectively - 25% of patients experienced recurrent bleeding during hospital stay
Conclusions	Hydroflush colonoscopy in cases of severe lower GI bleeding is practical and may reduce time to endoscopy, increase diagnostic outcomes and rate of therapy
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