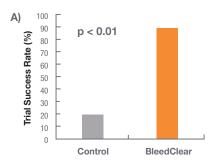


Endoscopic Clot Clearing System

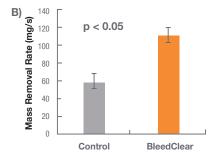
Allows for quicker and more effective removal of coagulated blood masses during upper GI bleed treatments.



Upper GI Bleeds (UGIBs) are normally treated with minimally invasive surgery endoscopically. However, the presence of blood and clots reduces endoscopic visibility and limits diagnosis/treatment of the bleeding site. Actuated Medical developed the BleedClear System to allow clinicians treating UGIBs improved visualization. An actuated Suction Stem powered by a Handheld Driver inserted through the working channel of a standard endoscope rotates a Shearing Paddle at the Suction Inlet – breaking up the clotted material into fine pieces and aspirating, allowing for faster UGIB visualization and treatment.



C)



BleedClear System Standard Suction Trial Success (%) of 10 Trials 90% 20% In-vitro 60g clot in 15 min Average Clot removal time (seconds) 577(± 172) 1477(± 715) Average Clot material adherence and 1x 185x suction interrupted (over 10 Trials) 6.7 3.7 Average Mass Removal Rate (g/min) Average Remaining Clot material (%) 44 ± 19% 9.5% of successful clearing attempts

In-vitro Efficacy testing using 200 mmHg applied suction pressure. Control: 3.63 mm open channel. N=10 trials/ treatment. A) Success rate comparison. A successful trial is defined as the complete clearance of in-vitro porcine blood clot (starting size: -60g) in 15 minutes or less, p < 0.01, 2 proportion test. B) Comparison of the calculated mean mass removal rate (mass removed/procedure time). Error bars indicate standard error of the mean, p < 0.05, Kruskal-Wallis test. C) Summary Table comparing the BleedClear System to the Control Standard suction with an open channel.





CONTACT SALES

Actuated Medical, Inc. +1 (814) 355-0003 x117 info@actuatedmedical.com www.ActuatedMedical.com "If the device is simple to use and effective there should not be any roadblocks to its adoption because it is currently needed for many GI procedures."

+ GI Specialist*

* Fraser JW. Technology Niche Analysis. In: Foresight Science & Technology; 2016:24.

Key Advantages

The BleedClear System improves UGIB treatments by:

- + Increasing clot removal success.
- + Greater clot removal rate allows for faster visualization of bleed source
- + Reduced need to withdraw and reinsert endoscope into patient



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Pending 510(k), not available for sale within the United States.









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