



 **PURE-VU**[®]
by **MOTUS**^{GI}

A Novel Approach to Intraprocedural Cleansing

Minimizing Dependency on
Pre-procedural Prep Regimens



 **MOTUS**^{GI}[®]



The Pure-Vu[®] System is designed to improve the quality and efficiency of the colonoscopy procedure.

THE PROBLEM

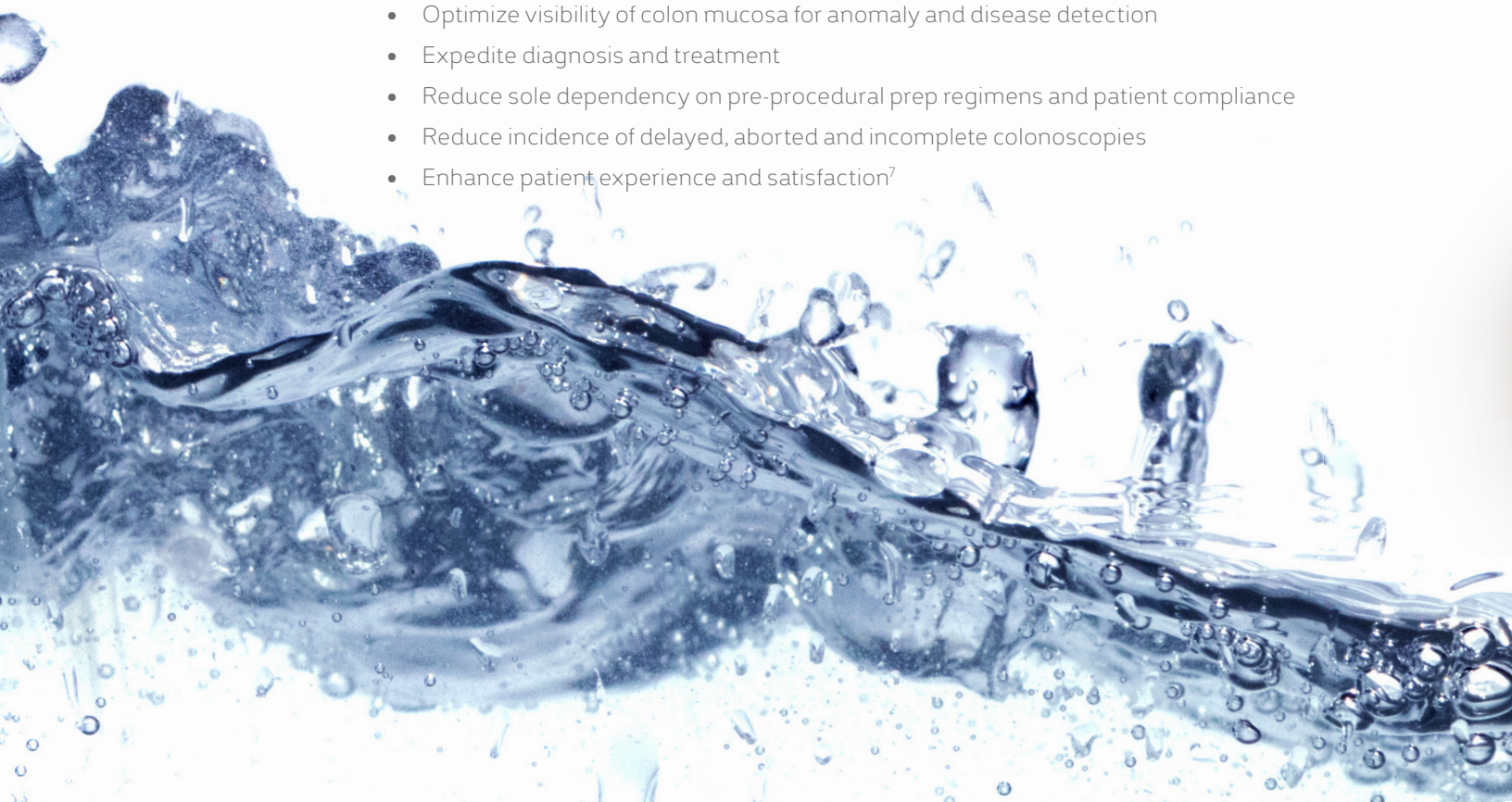
The reported rate of poor bowel preparation ranges from 5-60%, with most studies citing 25%¹⁻⁶ of patients arrive to their colonoscopies with inadequate visibility of the colon mucosa. These sub-optimally prepared colons often result in:

- Reduced ability to detect lesions and disease
- Cancelled, delayed, or incomplete procedures
- Prolonged critical patient therapy and treatment
- Longer and more difficult procedures
- Higher complication rates
- Increased patient discomfort and use of sedatives and analgesics
- For outpatients, reduced time intervals between surveillance procedures
- For inpatients, increased hospital costs due to significant prolonged length of stay and reduced bed turnover rates

THE PURE-VU[®] SYSTEM SOLUTION

The Pure-Vu[®] System is designed to cleanse the colon intraprocedurally to improve visualization in an inadequately prepared colon. The system facilitates the rapid cleansing of the mucosa using a pulsed vortex of water and air to loosen debris from the colon mucosa, while simultaneously suctioning the bowel contents.

By effectively and efficiently cleansing the colon intraprocedurally, the Pure-Vu[®] System puts control back in the hands of the physician and provides opportunity to:

- Optimize visibility of colon mucosa for anomaly and disease detection
 - Expedite diagnosis and treatment
 - Reduce sole dependency on pre-procedural prep regimens and patient compliance
 - Reduce incidence of delayed, aborted and incomplete colonoscopies
 - Enhance patient experience and satisfaction⁷
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The Pure-Vu® System

System components include a workstation, foot pedal, loading fixture and custom cart, as well as disposable, single-use slim and standard oversleeves that easily fit over the colonoscope insertion tube.

PURE-VU® WORKSTATION

- Pulsed vortex irrigation provides a mixture of water and air to effectively break up fecal matter and clear the field of view
- Proprietary sensing technology detects and mitigates potential clogging
- Auto-purge senses and prevents mucosal wall suction
- Low, medium and high cleanse settings provide additional pressure control and are easily activated via the foot pedal
- Intuitive system set-up via color-coded tubing and corresponding pump heads

MOTUS^{GI}® ENDOSCOPY CART

- Dedicated cart for easy transportability
- Integrated hook and cord wraps support cable/cord management
- Utility basket provides convenient storage for supplies
- Integrated IV pole with one-handed height adjustment conveniently consolidates hanging irrigation bag and Pure-Vu® System componentry on one device during set-up, procedure and transport



PURE-VU® OVERSLEEVE

- Easily fits over standard and slim colonoscopes (11.7mm – 13.7mm OD)
- Preserves procedural flow by not interfering with the working channel
- Facilitates smooth advancement with low-friction hydrophilic coating on distal 80cm of the oversleeve
- Four cleansing ports for pulsed irrigation
- Two large suction channels facilitate effective removal of fecal material
- Sensing channel to detect blockage in suction ports
- Disposable, single patient use provides for easy clean-up post-procedure



PURE-VU® FOOT PEDAL

- Easily controls the workstation cleanse, suction and manual purge operations
- Cleansing mode selector allows for toggling between three cleansing modes: low, medium (default) and high
- Bridge divider for resting comfort, quick confirmation of left/right pedal, and to avoid dual depression

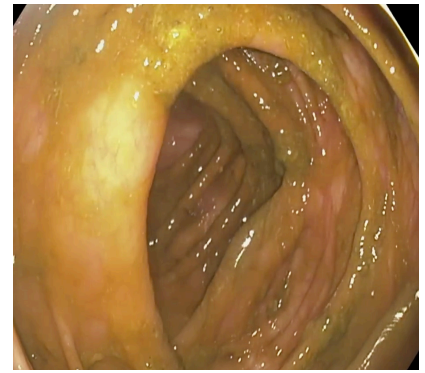
PURE-VU® LOADING FIXTURE

- Secures the colonoscope while loading the oversleeve
- Conveniently fits on any flat surface
- Ergonomic handle allows for easy transport
- Weighted to ensure surface stability

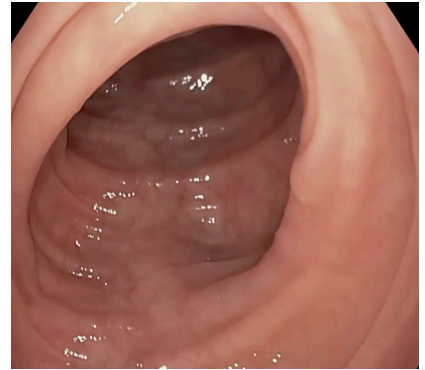


The Pure-Vu[®] System demonstrates outstanding cleansing performance.

In three multi-center and one single-center studies, patients presenting with an inadequately prepped colon (as determined by the Boston Bowel Preparation Scale) became adequately prepped for colonoscopy after cleansing with the Pure-Vu[®] System.

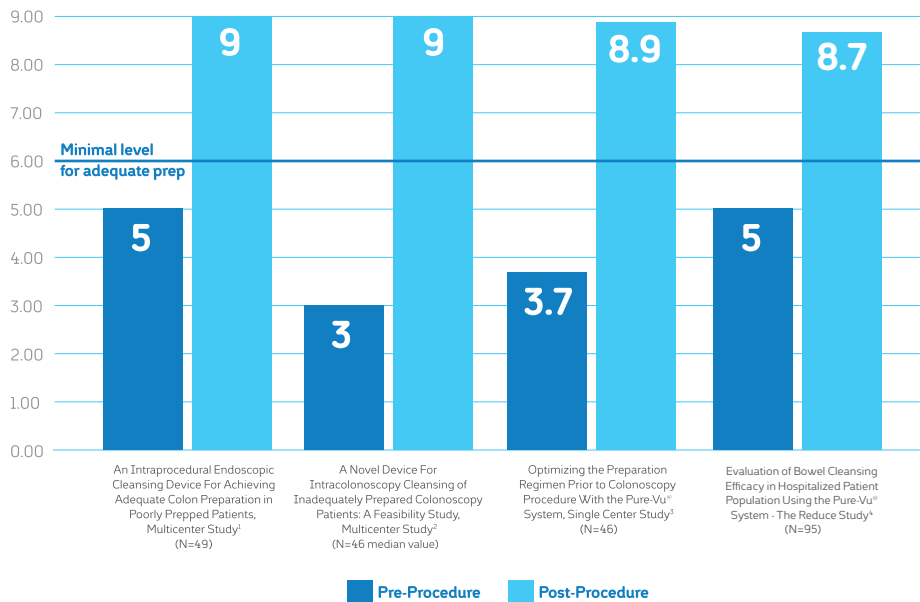


Baseline image



After use of the Pure-Vu[®] System

Boston Bowel Prep Scale (BBPS) Rating
Pre- and Post-Procedure Using the Pure-Vu[®] System



- 1 Jiménez J, Bermúdez L, Gralnek I, Herrera L, Libes M. An Intra-procedural endoscopic cleansing device for achieving adequate colon preparation in poorly prepped patients. J Clin Gastro, Feb 2019.
- 2 Van Keulen K, Neumann H, Schattenberg J, van Esch A, Kievit W, Spaander M, Siersema P. A novel device for intracolonic cleansing of inadequately prepared colonoscopy patients: A feasibility study. Endo, Nov 2018.
- 3 Bertiger G. Optimizing the preparation regimen prior to colonoscopy procedure with the Pure-Vu[®] System. Amer Coll of Gastro, Oct 2018.
- 4 Neumann H, Latorre M, Zimmermann T, et al. Evaluation of Bowel Cleansing Efficacy in Hospitalized Patient Population Using the Pure-Vu[®] System: The REDUCE Study. Gastro Endo 89(6):AB509. June 2019.

"Pure-Vu[®] is a novel tool that can help improve patient care in the face of previous bad bowel preparation. It was especially useful in a patient at high risk for colon cancer due to a history of multiple, large polyps requiring endoscopic mucosal resection (EMR). She required frequent surveillance, but her inability to tolerate consumption of purgatives limited my ability to truly assess her risk."

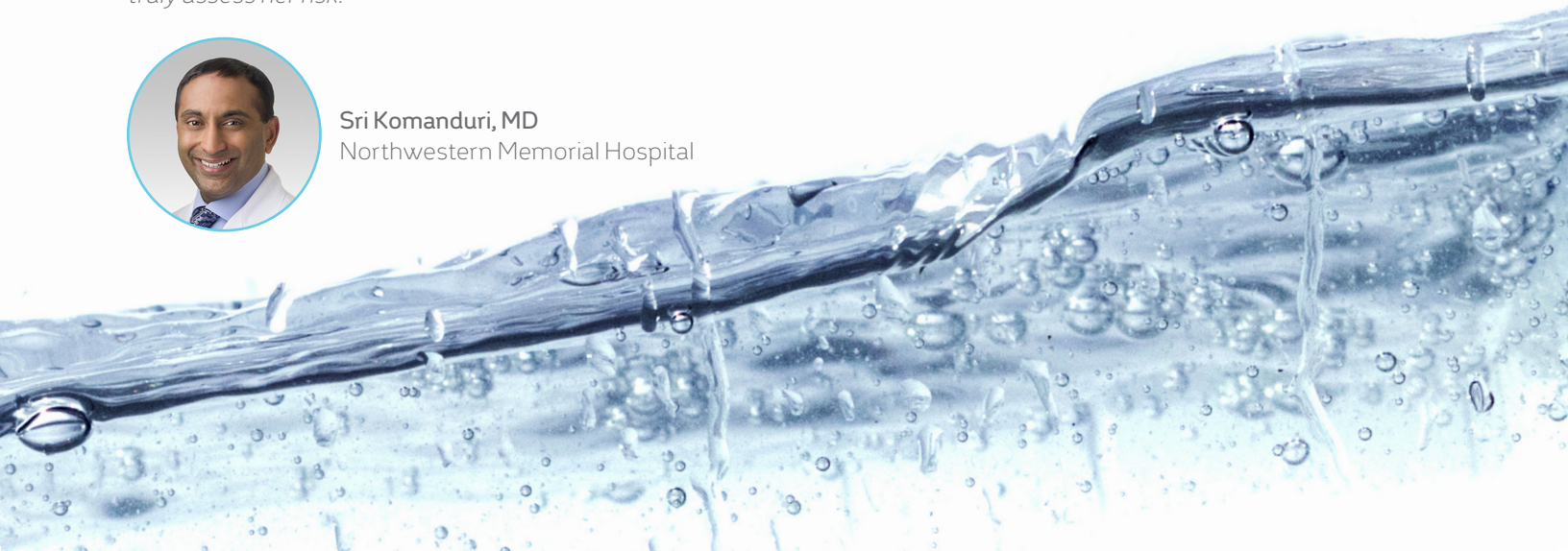


Sri Komanduri, MD
Northwestern Memorial Hospital

"Pure-Vu[®] System, along with a mini-prep with magnesium citrate and a clear liquid diet, proved to be a great option for a patient who would have otherwise required an inpatient admission for bowel preparation, and for whom a traditional bowel preparation was not feasible."



Brian Jacobson, MD
Boston University School of Medicine



The Pure-Vu[®] System Specifications

Product Code	Description	Specifications
PV-WSC-02-0	Pure-Vu [®] Workstation Controller with Foot Pedal	Dimensions (W x D x H): 250mm x 476mm* x 358mm (10in x 19in x 14in) *520mm (20.5in) with pump head Weight: 18kg (40lbs) Electrical: 100-240VAC/50-60Hz
PV-LDF-02-0	Pure-Vu [®] Loading Fixture for PV-WSC-02-0	Dimensions (W x D x H): 584mm x 267mm x 241mm (23in x 10.5in x 9.5in) Weight: 7.5kg (16.5lbs)
EN-CRT-02-0	MOTUS ^{GI} [®] Endoscopy Cart	Height: 1510mm (59.5in) – floor to scope, lowest position 1765mm (69.5in) – floor to scope, highest position 807mm (32in) – floor to cart, tray Depth: 630mm (25in) – max depth, open casters to basket Width: 646mm (25.5in) – max width, open casters Weight: 18kg (40lbs)
PV-STO-02-1	Pure-Vu [®] Standard Kit includes oversleeve, umbilical section, unloading kit	Compatible with standard colonoscopes OD: 12.8-13.7mm Length: 1630-1710mm
PV-SLO-02-1	Pure-Vu [®] Slim Kit includes oversleeve, umbilical section, unloading kit	Compatible with slim colonoscopes OD: 11.7-13.3mm Length: 1630-1710mm

References

1. Borg B, Gupta N, Zuckerman G, Banerjee B, Gyawali C. Impact of obesity on bowel preparation for colonoscopy. *Clin Gastroenterol Hepatol.* 2009;7:670-675 2.
2. Rex D, Imperiale T, Latinovich D, Bratcher L. Impact of bowel preparation on efficiency and cost of colonoscopy. *Am J Gastroenterol.* 2002;97:1696-1700 3.
3. Lebwohl B, Kastrinos F, Glick M, Rosenbaum A, Wang T, Neugut A. The impact of suboptimal bowel preparation on adenoma miss rates and the factors associated with early repeat colonoscopy. *Gastrointest Endosc.* 2011;73:1207-1214.
4. Tan-Torres Edejer T, Baltussen R, Adam T, Hutubessy R, Acharya A, Evans D., et al. Making Choices in Health: WHO Guide to Cost-Effectiveness Analysis. Geneva, Switzerland: World Health Organization; 2003.
5. Harewood G, Sharma V, de Garmo P. Impact of colonoscopy preparation quality on detection of suspected colonic neoplasia. *Gastrointest Endosc.* 2003;58(1):76-79.
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7. van Keulen K, Neumann H, Schattenberg J, van Esch A, Kievit W, Spaander M, Siersema P. A novel device for intracolonscopy cleansing of inadequately prepared colonoscopy patients: A feasibility study. *Endoscopy.* 2019 Jan;51(1):85-92.

www.motusgi.com 1.844.PUREVU1 1.844.787.3881

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For more information about the procedure, indications, contraindications, warnings and precautions, please contact MOTUS^{GI} or consult the complete Instructions for Use (IFU) at www.motusgi.com.

