



**PURE-VU**<sup>®</sup>  
by **MOTUS**<sup>GI</sup>



# A Novel Approach to Intraprocedural Cleansing

Minimizing Dependency on  
Pre-procedural Prep Regimens



**MOTUS**<sup>GI</sup><sup>®</sup>



# The Pure-Vu<sup>®</sup> System is designed to improve the quality and efficiency of the colonoscopy procedure.

## THE PROBLEM

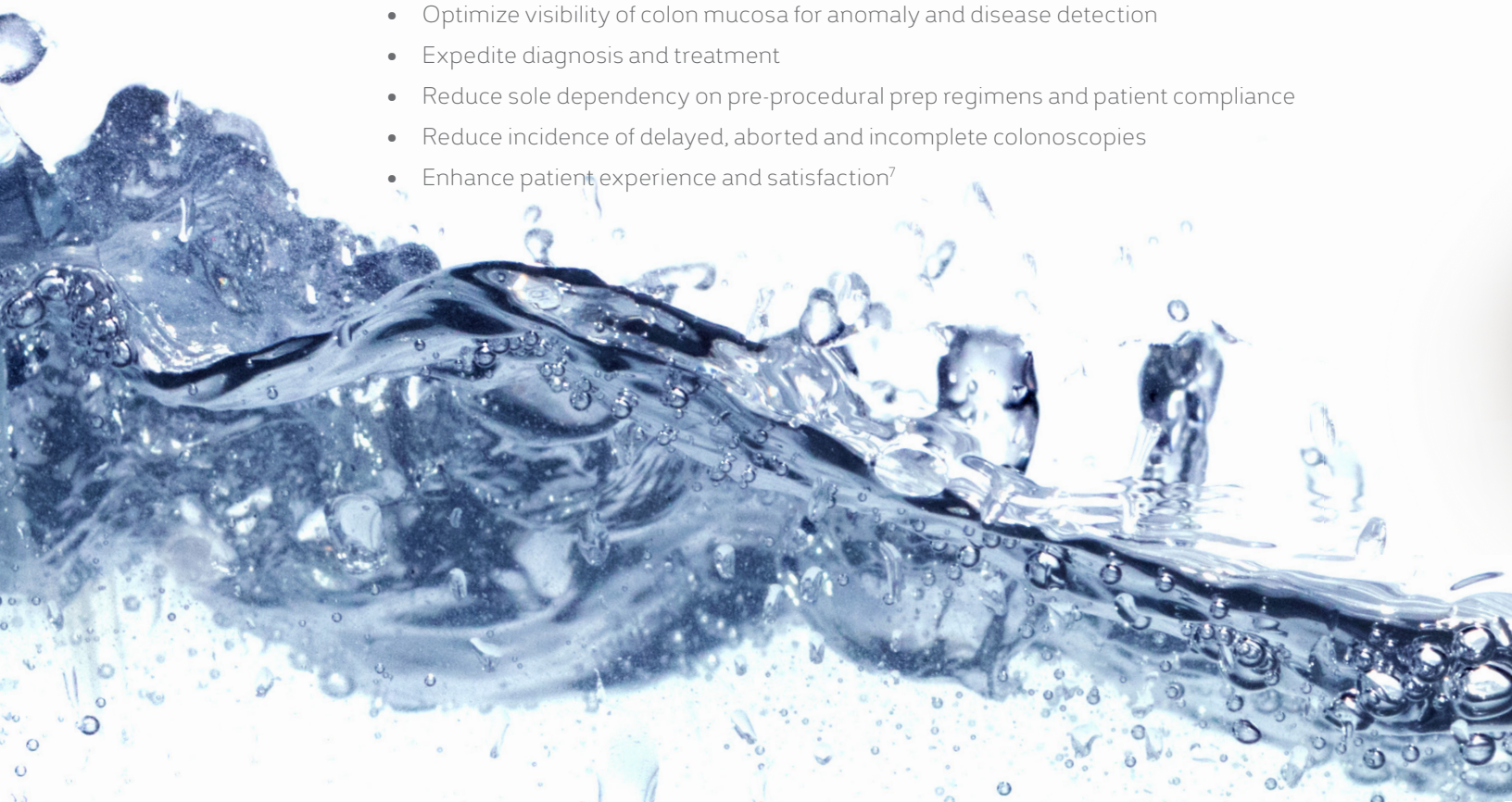
The reported rate of poor bowel preparation ranges from 5-60%, with most studies citing 25%<sup>1-6</sup> of patients arrive to their colonoscopies with inadequate visibility of the colon mucosa. These sub-optimally prepared colons often result in:

- 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<sup>®</sup> SYSTEM SOLUTION

The Pure-Vu<sup>®</sup> 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<sup>®</sup> 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 satisfaction<sup>7</sup>
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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<sup>GI</sup>® 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

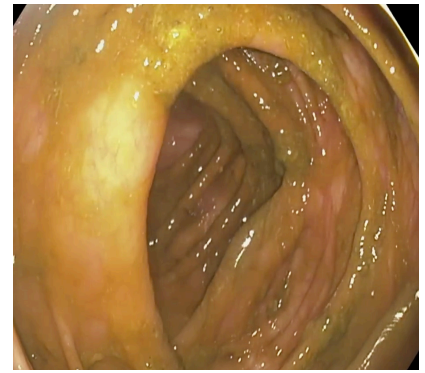
## PURE-VU® LOADING FIXTURE

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

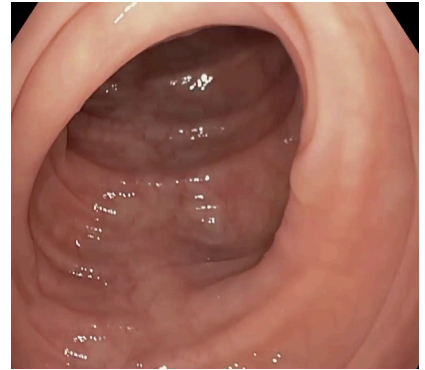


# The Pure-Vu<sup>®</sup> System demonstrates outstanding cleansing performance.

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<sup>®</sup> System.

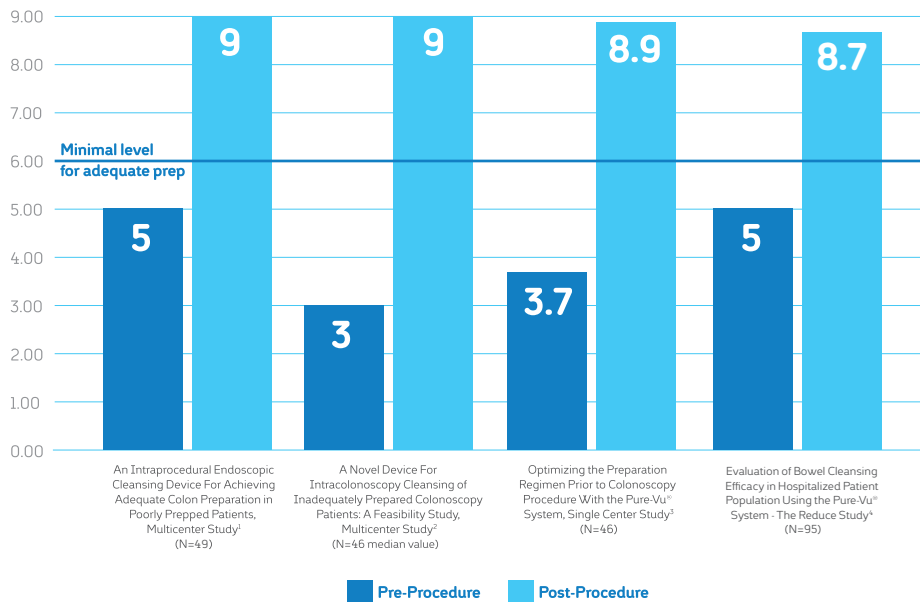


Baseline image



After use of the Pure-Vu<sup>®</sup> System

Boston Bowel Prep Scale (BBPS) Rating  
Pre- and Post-Procedure Using the Pure-Vu<sup>®</sup> 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 intracolonoscopy 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<sup>®</sup> 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<sup>®</sup> System: The REDUCE Study. Gastro Endo 89(6):AB509. June 2019.

*"Pure-Vu<sup>®</sup> 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."*

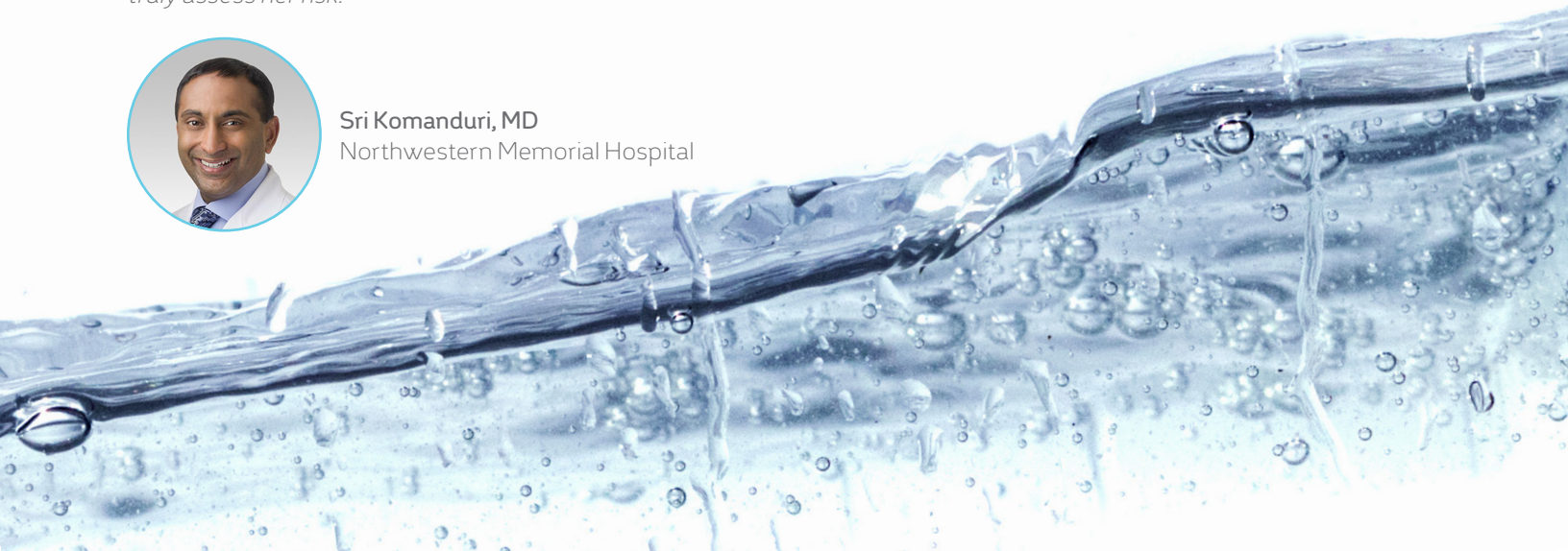


Sri Komanduri, MD  
Northwestern Memorial Hospital

*"Pure-Vu<sup>®</sup> 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<sup>®</sup> System Specifications

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

## References

- 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.
- 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.
- 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.
- 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.
- 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.
- Krygier D, Ennis R. The inpatient colonoscopy: A worthwhile endeavor. *Can J Gastroenterol.* 2008;22(12):977-979.
- 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](http://www.motusgi.com) 1.844.PUREVUI 1.844.787.3881

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For more information about the procedure, indications, contraindications, warnings and precautions, please contact MOTUS<sup>GI</sup> or consult the complete Instructions for Use (IFU) at [www.motusgi.com](http://www.motusgi.com).

