



Qoramatic<sup>®</sup>  
Automated Stool Management

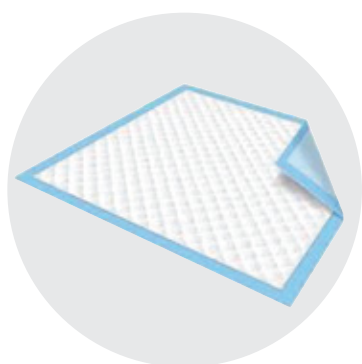
Proactive Fecal  
Diversion

Prevents injury, Reduces leakage, Saves time

# EXISTING FECAL MANAGEMENT SOLUTIONS ARE **INADEQUATE**

Liquid stool incontinence affects 9 - 40%<sup>1</sup> ICU patients and is linked to morbidity, mortality, and HAC-HAI penalties.

## ABSORBENT PADS DO NOT CONTAIN FECAL EFFLUENTS



- Patients are **constantly exposed to fecal matter**, which compromises skin integrity
- Incontinence Associated Skin Damage (IASD) can develop if not managed adequately
- FI management is **time consuming and labor intensive**

## INADEQUATE FECAL MANAGEMENT LEADS TO COSTLY CLINICAL COMPLICATIONS

In 2022, 764 hospitals have received value based penalty for high incidences of HACs.<sup>2</sup>



### CAUTI

Costs up to  
**\$10,197**  
per infection<sup>3</sup>



### CDI

Costs up to  
**\$29,000**  
per infection<sup>4</sup>



### CLABSI

Costs up to  
**\$23,242**  
per infection<sup>5</sup>



### HAPI

Costs up to  
**\$21,410**  
per injury<sup>6</sup>

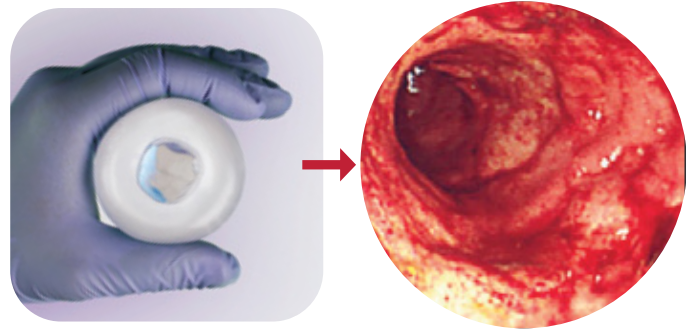
1. Garcia CB., Prevalence, management and clinical challenges associated with acute faecal incontinence in the ICU and critical care settings: the first cross-sectional descriptive survey. *Intensive Crit Care Nurs* 2012;28(4):242-50  
2. The Behavioral Health Crisis Advisory Board  
3. Lipp MJ, et al., Impact of hospital-acquired Clostridium difficile. *Journal of Gastroenterology and Hepatology* 2012;27(11):1733-1737.  
4. Stone PW, Economic Burden of healthcare-associated infections: an American perspective. *Expert Rev Pharmacoecon Outcomes Res.* 2009;9(5):417-422.  
5. Anderson DJ, et al., Underresources Hospital Infection Control and Prevention Programs: Penny Wise, Pound Foolish? *Infection control and Hospital Epidemiology* 2007;28(7)  
6. Jones S, et al. C. diff containment properties of a fecal management system: an in vitro investigation. *Ostomy Wound Manage.* 2011; 57(10):38-49

CAUTI- Catheter Associated Urinary Tract Infection  
CLABSI- Central Line Associated Blood Stream Infection  
CDI- Clostridium difficile Infection  
FI - Fecal Incontinence  
HACs - Hospital Associated Complications  
HAI - Hospital Associated Infections  
HAPI- Hospital Acquired Pressure Injury  
IAD - Incontinence Associated Dermatitis  
IBC - Intrarectal Balloon Catheter  
CMS - Centre for Medicare and Medicaid services

# HIGH PRESSURE BALLOON CATHETERS CAUSE INJURIES

## BALLOON CATHETERS CAN LEAD TO COMPLICATIONS

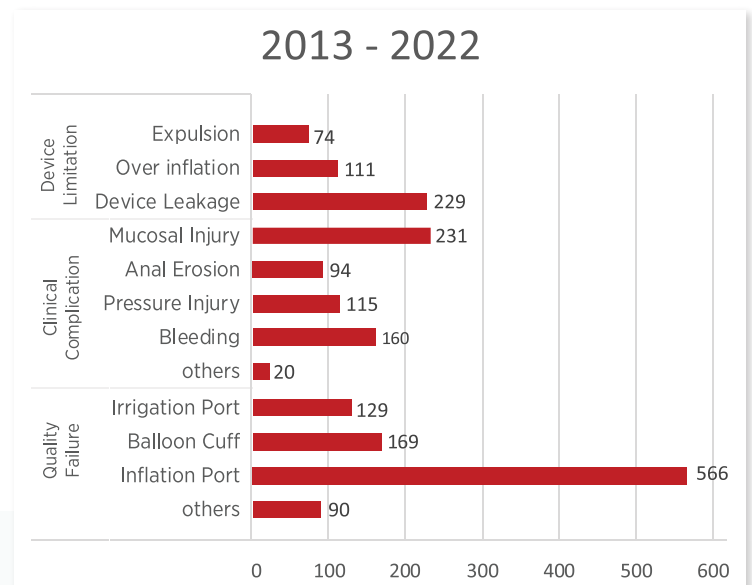
- **High risk** of mucosal injury, bleeding, sphincter dysfunction, and anal erosion<sup>5,6,7,8</sup>
- Balloons are often **over-inflated** to reduce leakage. Creates a sensation of **fullness**
- Requires **maintenance every 4 hours**.
- **Inefficient drug delivery**; loss of volume in irrigation tubes



## A HIGH PREVALENCE OF PERIPHERAL LEAKAGE AND RADIAL PRESSURE CAN LEAD TO CROSS-CONTAMINATION AND INCREASE SUSCEPTIBILITY TOWARDS HAC-HAI

\*Over 1500 clinical complications associated with high-pressure balloons reported on FDA MAUDE. Such complications are often under-reported.

- Over-inflation of the high-pressure balloon is seen in as many as 14% of patients
- Have you ever done a rectal examination post IBC use? Sphincter damage, rectal trauma, erosion of mucosa are highly prevalent and largely under-reported
- Hospitals with a total HAC score in the worst-performing quartile receive a 1% payment reduction<sup>9</sup>



7. O'Malley, M., Brown, A.G. & Corners, J.M. (2009). Healthcare Acquired Pressure Ulcers (HAPU) : Clinical Alert, Vol 6, No. 3  
8. Maklebust J, Magna MA. Risk Factors associated with having a pressure ulcer; a secondary data analysis. Adv Wound Care. 1994;7(6):25  
9. www.cms.gov

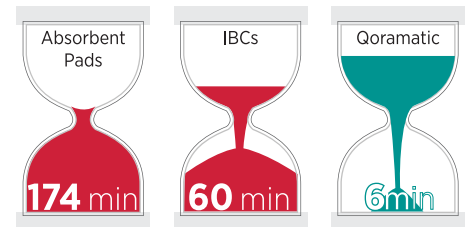
\*Data collected from FDA MAUDE in December 2022

# FECAL MANAGEMENT IS TIME & RESOURCE INTENSIVE

## FI management can take up to 174 minutes per day

- 51.27%<sup>10</sup> of nursing time is dedicated to direct patient care tasks such as nursing evaluations, measurement of vitals, catheterization, wound and continence care
- On an average nurses have to switch between tasks every 29 seconds<sup>11</sup>
- Risk of never events is high

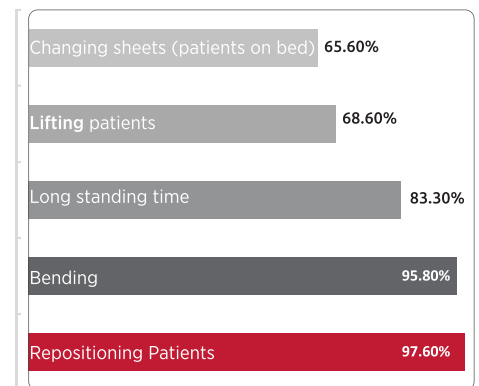
DAILY NURSING TIME



## 70% of all nurses have at least one episode of back pain per year

- Disabling back injury and back pain affect 38% of nursing staff<sup>12</sup>
- 12% of all nurses intending to leave nursing permanently, cited back pain as either the main or contributing factor<sup>13</sup>
- Overwork was cited as the reason for quitting by 27% of nurses<sup>14</sup>

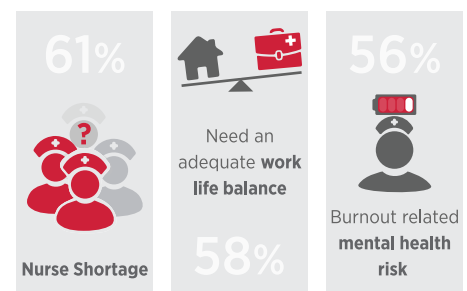
FACTORS AFFECTING NURSE LBP



## Hospitals experience 8.8% to 37% nursing turnover rates<sup>15</sup>

- Constant need for nurse induction and training
- Multiple, non-standardized bowel management options cause confusion
- Qoramatic is safe, easy, and intuitive. No training required

NURSING SHORTAGE



10. Binru Han, Qiuping Li, Xi Chen, and Guoguang Zhao Workflow for Intensive Care Unit Nurses: A Time and Motion Study

11. Stephen Douglas, Randi Cartmill, Roger Brown, Peter Hoonakker, Jason Slagle, Kara Schultz Van Roy, et. al The work of adult and pediatric intensive care unit nurses

12. Deborah X Brown, RN, BSN Nurses and Preventable Back Injuries

13. D A Stubbs, P W Buckle, M P Hudson, P M Rivers, D Baty Backing out: nurse wastage associated with back pain 10.1016/0020-7489(86)90055-6

14. Lesly A. Kelly, PhD, RN, FAAN,a,b,, Perry M. Gee, PhD, RN,a,b,c,d, and Richard J. Butler, PhD,e,f Impact of nurse burnout on organizational and position turnover

15. Lisa M. Haddad; Pavan Annamaraju; Tammy J. Toney-Butler. Nursing Shortage



**Qoramatic**<sup>®</sup>  
Automated Stool Management

**Automate FI management to save time and improve clinical outcomes with first ever stool management kit that uses negative pressure suction**

✓ Zero radial pressure, no injuries    ✓ Reduced nursing time and burden    ✓ Proactive fecal diversion

# AVOID BALLOONS TO ELIMINATE RECTAL INJURIES

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## Soft indwelling receptacle exerts 0 mmHg radial pressure on the rectal walls

- Eliminates the risk of necrosis, mucosal impairment, and rectal trauma
- Provides superior patient comfort, no sensation of 'fullness'

## No over-inflation

- Qoramatic does not contain an inflatable balloon; no risks of over inflation or rectal vault injury
- No sphincter trauma, even in case of tugging or accidental expulsion

## Infection prevention

- Significantly reduces CDI, IAD, and HAPI; improves clinical outcomes
- Prevents HAC/HAI and CMS penalties
- Complete malodor containment





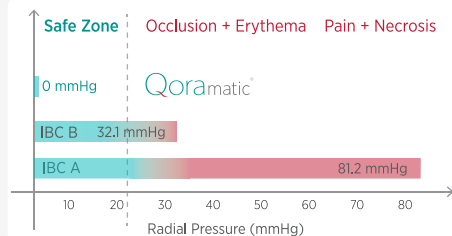
# SMART INTERMITTENT SUCTION REVOLUTIONIZES FI MANAGEMENT

## Proactive fecal diversion

- Pro-actively diverts fecal effluents using negative pressure even lower than GI drainage or tracheal suction
- Minimized leakage reduces hospital acquired infections
- Automated irrigation, milking, and maintenance reduce nursing burden



# QORAMATIC VS HIGH PRESSURE BALLOONS



## Zero Radial Pressure

- Soft receptacle exerts **0 mmHg** radial pressure on rectal mucosa
- Eliminates the risk of erythema, necrosis and mucosal impairment

6 minutes vs 60 minutes



## Reduced Nursing Burden

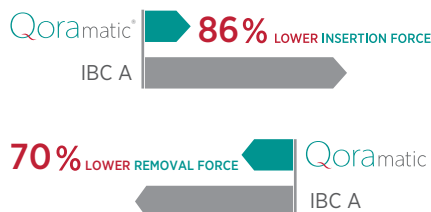
- One touch operation, automated irrigation, milking, and maintenance
- Saves **7-8 minutes** every hour



Over inflation  
Mucosal Injury  
Bleeding  
Anal Erosion

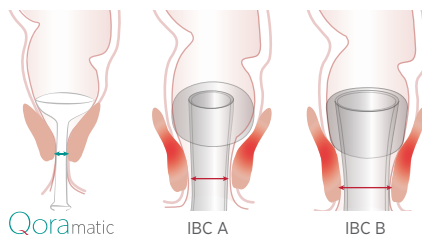
## Injuries Associated with IBCs

- No inflatable high pressure balloon
- Eliminates risks of **over-inflation** or rectal vault injury



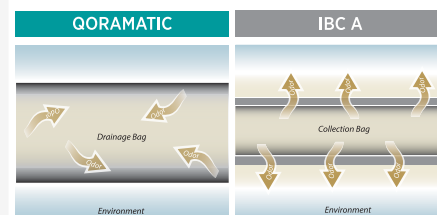
## Safer Insertion & Withdrawal Force

- Lower force **reduces pain and discomfort** for patients
- Accidental expulsions do not cause sphincter damage



## Indwelling Safety and Comfort

- Soft receptacle **eliminates sensation of fullness**
- Smaller profile, **better performance**



## Malodor Containment

- Specialty-engineered polymers provide **malodor containment**
- Enhances **patient dignity** and recovery

## PRODUCT ORDERING INFORMATION

	Product Code	Duration of Use	Quantity/Box	Minimum Order Quantity
Qoramatic® (Automated Stool Management)	MG-12020-001	29 days	10 Kits/Box	1 Box
Qoramatic® Drainage Bags	MG-62020-001	-	5 Bags/Box	1 Box

## CONTACT US

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