



NAVINA FOR  
CHILDREN  
Securing freedom  
for families

**Navina**™ Systems

# A brighter future for children with bowel dysfunction

When the bowel works, life works. But what about when it doesn't? For children living with bowel dysfunction, feeling uncomfortable, afraid of accidents and embarrassment can be part of everyday life. On top of that, a disproportionate amount of time might be spent on bowel management and on the toilet trying to poop.

Our wish is for all children to feel well and confident, and we believe bowel management shouldn't take away quality time from the child, nor the family as a whole.

Our contribution is Navina Systems, a transanal irrigation system developed specifically for children.



# TAI is a good solution for children – and their families

Transanal irrigation (TAI) is a long-term solution for many children and families living with bowel dysfunction. TAI can restore a healthy bowel routine and well-being using only lukewarm water. Furthermore, TAI helps children regain control of when and where to go to the toilet. With this comes increased confidence and more time to do the

things they want to do. Older children and teenagers can often learn to perform the procedure themselves, giving them more independence and confidence. A more predictable bowel-emptying routine can make caregivers feel more secure and confident about their child being away at school or with friends. When at home, TAI can save a lot of time and effort.

## Studies confirm our belief

- TAI is an effective treatment in children and young people with constipation or fecal incontinence as a result of neurogenic bowel.<sup>1</sup>
- TAI reduces fecal incontinence and fecal soiling.<sup>2, 3, 4</sup>
- TAI improves family satisfaction with the child's bowel management.<sup>1</sup>
- TAI in children improves Quality of Life.<sup>2, 3, 4, 5</sup>
- TAI reduces time spent on bowel management compared to conservative bowel management.<sup>3</sup>
- TAI improves patient independence.<sup>6,7</sup>

# Navina Systems: The modern TAI system

Navina™ Systems is a modern transanal irrigation system with features and accessories making it suitable for use in children. The system has been developed in co-operation with users and healthcare professionals with the aim of performing TAI conveniently, safely and consistently with control.

Navina Systems comes with a catheter with a balloon or a cone. But the real game

changer for TAI in children is probably the electronic Smart control, which ensures that the therapy is consistent in its performance every time.

To facilitate the training period and beyond, we have developed a range of Navina educational materials and accessories. All together it means we offer a complete assortment of products and material for both children and adults.

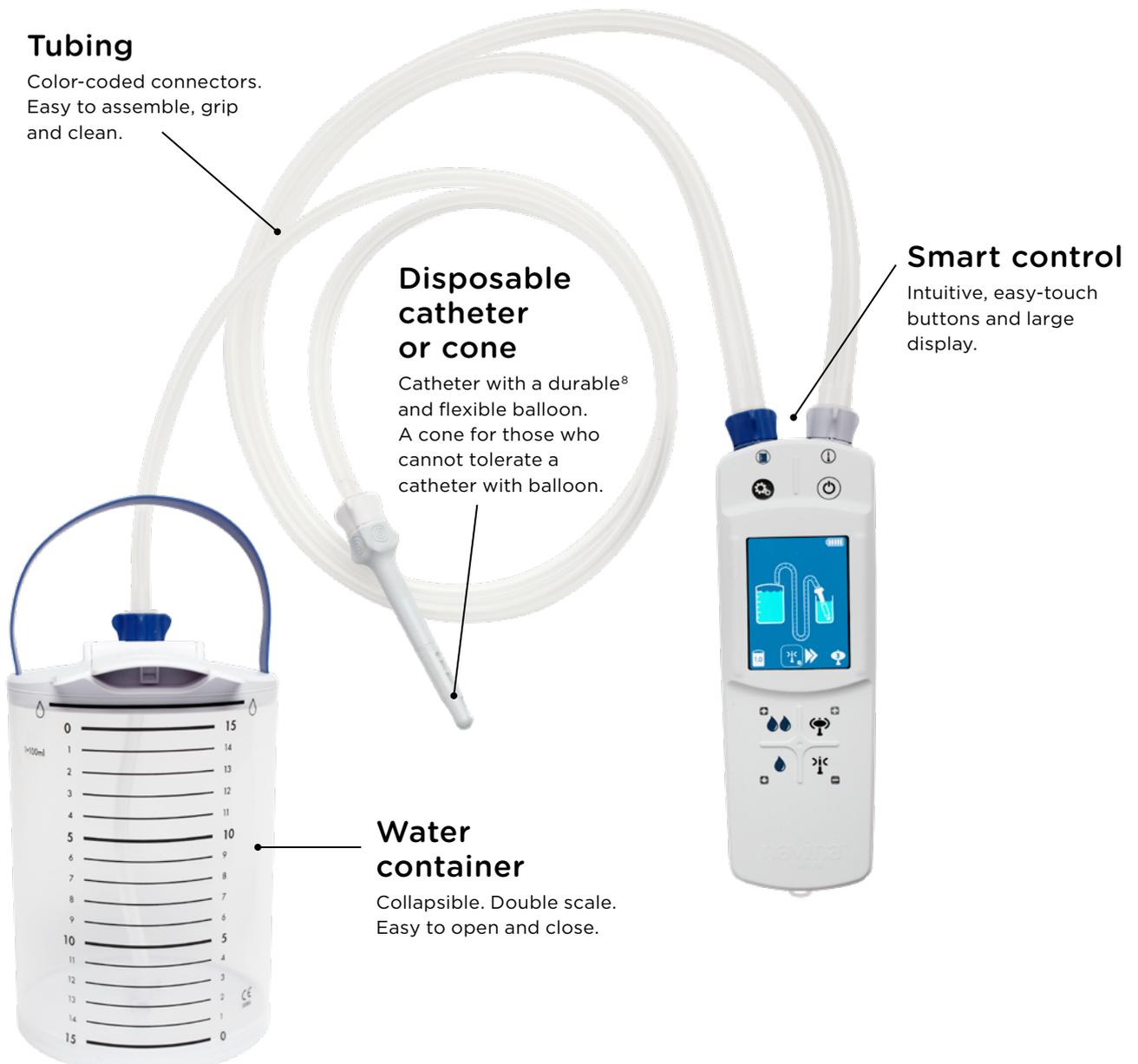


# Navina Smart:

## Control, safety and predictability

Navina™ Smart is an electronic TAI system designed for a safe and predictable TAI procedure to give children and their caregivers better control. The electronic control unit is user-friendly and comes with built-in safety for maximum balloon size, water quantity and flow rate. Levels are set by you as a healthcare

professional, and ensures that each irrigation is the same, regardless of who performs it. Navina Smart automatically detects and rejects used catheters for safety and hygiene. All-in-all, the Navina Smart is designed to be safe for children and efficient for families in a home environment.

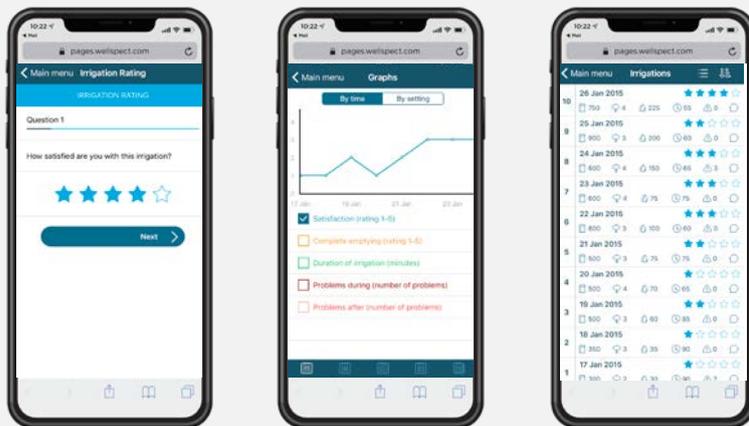


**Note:** Catheter, cone, tubing and water container are the same for both Navina Smart and Navina Classic.

# Navina Smart app: Monitor procedures and progress

The Navina Smart app is a good tool to monitor treatment progress and satisfaction. It can be reassuring for caregivers to follow the child's progress. Settings and treatment data (balloon size, water volume, water flow rate and duration time), can be transferred to the app after each completed irrigation procedure and paired with the child's satisfaction rating.

For you as a healthcare professional, it means more control and patient involvement, quality data for progress analysis and treatment recommendations, and more efficient follow-up meetings. In short: much better than a manual bowel diary. For caregivers and children it can mean motivation and quicker results.



## Disposable catheter and cone

The Navina Systems works with both catheter and cone.

- Hydrophilic catheter suitable for children
- Flexible and durable<sup>®</sup> balloon seals the rectum throughout treatment.
- Hydrophilic cone designed to fit snugly against the bottom
- Soft and pliable material makes them easy to grip.



**Note:** Catheter, cone, tubing and water container are the same for both Navina Smart and Navina Classic.

# Navina Classic:

## The intuitive way to perform TAI manually

Navina™ Classic offers easy manual pumping, large intuitive controls and color-coded water and air inflation pumps for clear understanding. It comes with a

flexible and durable<sup>8</sup> balloon, and a sturdy water container. Navina Classic is the perfect choice when manual irrigation is preferred.



### Classic control

Easy, manual pumping with intuitive controls.

## Important information

### Intended use

The Navina Systems is intended for Transanal Irrigation by instilling water up into the lower part of the colon through a rectal catheter.

### Indications for use

Navina Systems is indicated to help adults and children from 3 years who suffer from fecal incontinence, chronic constipation and/or timeconsuming bowel management. By instilling water up into the lower part of the colon, the peristaltic muscles in the bowel can be triggered and start to evacuate the content of the lower colon and rectum.

### Contraindications

Do NOT use Navina Systems if you have one or more of the following:

- Known anal or colorectal stenosis
- Active inflammatory bowel disease
- Acute diverticulitis
- Colorectal cancer
- Ischemic colitis
- You are within three months of anal or colorectal surgery
- You are within 4 weeks of previous endoscopic polypectomy

As the list may not be exhaustive, healthcare professionals will always consider individual user factors as well.

### Warning

Bowel perforation is a very rare (1 of 500,000 irrigations or 0.0002 %<sup>9</sup>) yet extremely serious complication of TAI. It is a medical emergency and requires immediate medical attention. Symptoms of bowel perforation include severe or sustained abdominal or back pain or significant rectal bleeding (not just smearing of blood on the rectal catheter which is very common and is not a concern).

## References

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2. Bray L and Sanders C. Spinal Cord. Feb 2013;51(2):88-93
3. Midrio P et al. Colorectal Dis. Jan 2016;18(1):86-93
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7. Lopez Pereira P et al. J Pediatr Urol. Apr 2010;6(2):134-138
8. Sigvardsson S and Gränfors M, 28th ESPU Congress. 2017, Poster S19-10
9. Christensen et al. Tech Coloproctol. Feb 2016;20(2):109-115

At Wellspect we value the people behind our success as a leading provider of life-changing products for bowel and bladder management such as the well-known brands LoFric® and Navina™. From the thousands of users and healthcare professionals worldwide who inspire our innovative solutions, we know that working together is the best way to advance continence care, giving our users more time for life. Building on over 30 years of life-improving performance, we passionately strive to make a difference every day to everyone who needs our products and services.

**Wellspect. A Real Difference.**

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