

Peristeen® Transanal Irrigation System Bibliography for Adults

Efficacy

“Compared with conservative bowel management, transanal irrigation improves constipation, fecal incontinence, and symptom related quality of life.”

Christensen P, Bazzocchi G, Coggrave M, Abel R, Hultling C, Krogh K, et al. A Randomized, Controlled Trial of Transanal Irrigation Versus Conservative Bowel Management in Spinal Cord–Injured Patients. *Gastroenterology*. 2006 Sep;131(3):738–47.

“Transanal irrigation in patients with spinal cord injuries reduces constipation, improves anal continence, and improves symptom-related quality of life.”

Christensen P, Bazzocchi G, Coggrave M, Abel R, Hultling C, Krogh K, et al. Outcome of Transanal Irrigation for Bowel Dysfunction in Patients with Spinal Cord Injury. *J Spinal Cord Med*. 2008;31(5):560–7.

“Transanal irrigation offers significant benefits over conservative bowel management in patients with spinal cord injury, in terms of managing constipation and faecal incontinence, reducing neurogenic bowel dysfunction symptoms, and improves quality of life.”

Emmanuel A. Review of the efficacy and safety of transanal irrigation for neurogenic bowel dysfunction. *Spinal Cord*. 2010 Sep;48(9):664–73.

“Statistically significant reduction in fecal incontinence. Transanal irrigation is an effective treatment option for management of neurogenic bowel dysfunction.”

Loftus C, Wallace E, McCaughey M, Smith E. Transanal irrigation in the management of neurogenic bowel dysfunction. *Ir Med J*. 2012 July-Aug;105(7):241–3.

“Long-term continuation of TAI, with improved bowel symptomatology, is seen in majority of patients.”

Passananti V, Wilton A, Preziosi G, Storrie J.B., Emmanuel A. Long-term efficacy and safety of transanal irrigation in multiple sclerosis. *Neruogastroenterol Motil* 2016 Sep;28(9): 1349-55.

“Transanal irrigation is effective to treat bowel symptoms in patients with multiple sclerosis.”

Preziosi G, Gosling J, Raeburn A, Storrie J, Panicker J, Emmanuel A. Transanal irrigation for bowel symptoms in patients with multiple sclerosis. *Dis Colon Rectum*. 2012 Oct;55(10):1066–73.

Safety

“Transanal irrigation is simple and safe for long-term treatment for defecation disturbances with greatest benefit in patients with neurogenic bowel dysfunction.”

Christensen P, Krogh K, Buntzen S, Payandeh F, Laurberg S. Long-term outcome and safety of transanal irrigation for constipation and fecal incontinence. *Diseases of the Colon & Rectum*. 2009 Feb 1;52(2):286-92.

“Transanal irrigation is safe and can be introduced to most patients with neurogenic bowel disorder.”

Faaborg PM, Christensen P, Kvitsau B, Buntzen S, Laurberg S, Krogh K. Long-term outcome and safety of transanal colonic irrigation for neurogenic bowel dysfunction. *Spinal Cord*. 2009 Jul;47(7):545–9.

“Overall safety profile of transanal irrigation is good with few, and rare, adverse effects.”

Emmanuel A. Review of the efficacy and safety of transanal irrigation for neurogenic bowel dysfunction. *Spinal Cord*. 2010 Sep;48(9):664–73.

Durability

“With a mean follow-up of 48 months (24-108), 101 patients (90.4%) achieved complete stool continence...”

Alhazmi H, Trbay M, Alqarni N, Alyami F, Khatab A, Almannie R, Neel KF. Long-term results using a transanal irrigation system (Peristeen®) for treatment of stool incontinence in children with myelomeningocele. J Pediatr Urol. 2019 Feb;15(1):34.e1-34.e5. doi: 10.1016/j.jpuro.2018.08.013. Epub 2018 Aug 28.

“Successful outcome was achieved in 62.5% patients after a mean follow-up of 2.6 years.”

Hamonet-Torny J, Bordes J, Daviet J-C, Dalmay F, Joslin F, Salle J-Y. Long-term transanal irrigation's continuation at home. Preliminary study. Ann Phys Rehabil Med. 2013 Mar;56(2):134-42.

Cost Savings

“Transanal irrigation is a cost saving treatment strategy reducing the risk of stoma surgery, urinary tract infections, episodes of fecal incontinence and improving QALY's for neurogenic bowel disorder patients who have failed standard bowel care.”

Emmanuel A, Kumar G, Christensen P, Mealing S, Storling ZM, Anderson F, Kirshblum S. Long-Term Cost-Effectiveness of Transanal Irrigation in Patients with Neurogenic Bowel Dysfunction. PLoS One. 2016 Aug;11(8).

“...the use of Peristeen was judged unlikely to be cost increasing compared with standard bowel care.”

NICE – Appl Health Econ Health Policy. 2019 Feb; 17(1):25-34. Doi: 10.1007/s 40258-018-0447.

“...the total cost to society is lower when patients use transanal irrigation”

Christensen P, Andreasen J, Ehlers L. Cost-effectiveness of transanal irrigation versus conservative bowel management for spinal cord injury patients. Spinal Cord. 2009 Feb;47(2):138-43. doi: 10.1038/sc.2008.98. Epub 2008 Aug 5.