



A balloon-free self-retainable threadable urethral catheter

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Experience:

Attending Physician, Department of Urology, National Taiwan University Hospital.

Staff Urologist, Center for Robotic and Minimally Invasive Surgery, Department of Urology, Glickman Urological and Kidney Institute, Cleveland Clinic, Ohio, USA (2009-2021)

Clinical Professor of Surgery (Urology), Cleveland Clinic Lerner College of Medicine, Case Western Reserve University, Ohio, USA (2009-2021)

Medical Director and primary surgeon, Kidney transplant service, CAMC, Charleston West Virginia, USA. (2009-2012)

Market Needs:

According to the International Society for Infectious Diseases, more than 100 million urinary catheters are used globally each year. Additionally, approximately 20% of inpatients require the use of a urinary catheter. Our product is designed to meet the needs of patients who require short to long-term urinary catheterization, offering easy and safe insertion procedures.

Our Technology:

We have developed a novel water-soluble membrane. This innovative membrane has the unique ability to cover and secure the tip of the catheter, transforming it from a mushroom shape to a streamlined water-drop shape.

The primary function of the membrane is to maintain the shape of the catheter's tip, ensuring its effectiveness during use. The membrane swells and fully dissolves in just 3-4 minutes when exposed to jelly, and a mere 30 seconds when in contact with water or urine which meets the clinical need.

Strength: With the incorporation of our membrane, the catheter no longer requires a metal stylet for support. This design significantly enhances the ease and safety of catheterization, minimizing the risk of potential harm to the urethra.

Our product offers additional benefits by reducing the occurrence of side effects commonly associated with traditional Foley catheters. This product can reduce the risk of urinary retention, infections, urine crystals, and stone formation. This advancement in catheter brings about a higher level of comfort and well-being for patients who require urinary catheterization, ultimately improving their quality of life.

Competing Products:

1. Cook: Silicone Malecot Catheters 2. Bard: Latex Drain 3. HAKKI MEDICAL

TECHNOLOGIES: Lotus Catheter-Non balloon catheter

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Intellectual Properties:

Already file US Provisional Patent

Contact (do not need to fill out):

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