

# OPTIMIZATION DEVICE FOR INTRAURETHRAL LUBRICATION IN PEDIATRIC PATIENTS

## DESCRIPTION OF THE TECHNOLOGY

**Transurethral instrumentation in paediatric patients** is a common tool. However, there are only few devices designed specifically for children with optimal urethral lubrication. Consequently, children suffer failed attempts at catheterization or endoscopy, increasing the risk of complications.

In Spain, there are 5,698,261 paediatric visits and hospitalizations per year, with an estimated 2.8% prevalence of urethral catheterization with 159,497 procedures per year. The urethral catheterization are mainly performed in intensive care (77%) and surgery (22%) specialties.

INCLIVA researchers have developed a technology consisting in a rubber device for intraurethral lubrication in paediatric patients. The device has a shape of a pear allowing proper insertion into the urethral meatus due to a physical plug; and optimal lubrication due to the design of its cannula.

## APPLICATION SECTOR

Health sector/ Medical supplies

## COLLABORATION SOUGHT

Biotech/pharma companies willing to sign a license agreement to commercialise the product or codevelop the technology.

## ADVANTAGES

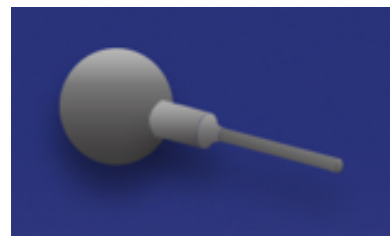
- ✓ Disposable.
- ✓ Easy handling (one-handed and smaller diameter).
- ✓ Reduces patient discomfort and improves quality of care for paediatric patients.
- ✓ Reduces potential tissue damage and risk of infection.

## STATE OF DEVELOPMENT

The device has been validated with a prospective randomized study.


## INTELLECTUAL PROPERTY

Granted Utility model. Spanish Patent and Trademark Office application number U202230442 and priority date March 18, 2022.



## CONTACT

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