

Luna

Natural Filling Urodynamics



- Classic Ambulatory Urodynamic monitoring

- Natural Filling Urodynamics

- Easy ambulatory prolongation of Conventional Urodynamics

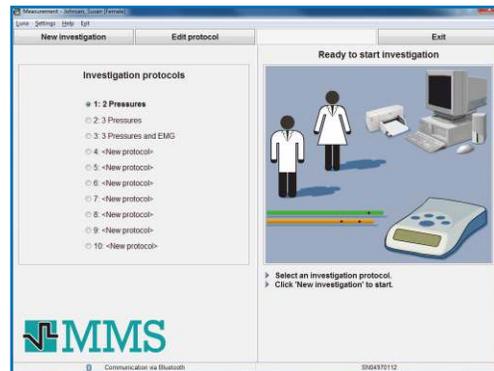
LABORIE

Luna - Classic Ambulatory Urodynamic monitoring



Very easy to use Luna software program

The Virtual Instructor Program (VIP) will guide you through the investigation step by step, making it easy to carry out a high quality AUM and Natural Filling Urodynamics, with very minimal training.



Select one of the predefined investigation protocols

Ambulatory Urodynamic Monitoring (AUM) is any functional test of the lower urinary tract predominantly utilizing natural filling of the urinary tract and reproducing patient's normal activity. ICS indications for AUM⁽¹⁾ are:

- When Conventional Urodynamic Measurements (CUM) fail to reproduce or explain (detrusor instability)
- When CUM may be unsuitable (children, patients having emotional stress)
- Neurogenic lower urinary tract dysfunctions
- Evaluations of therapies for lower urinary tract dysfunction

The Laborie Luna is an easy to use, small and lightweight recorder for classic AUM. The system offers the possibility to measure pressures (Pves, Pabd, Pdet, Pura, Pclos), EMG, Leakage (Conductance) and Uroflow during a natural bladder filling, extended over a longer period and in a less stressful environment.

Urodynamic data recorded in 2 up to 24 hours or more can be downloaded, analyzed and presented in less than 2 minutes. All Detrusor-Flow plots are standard available.

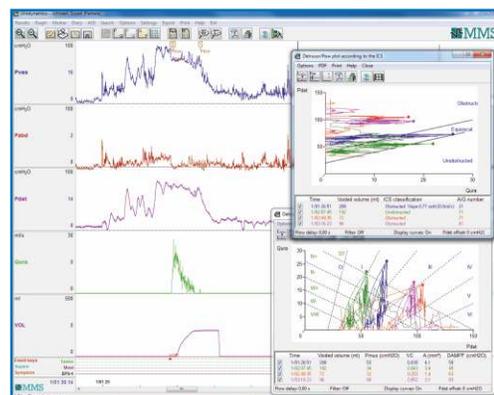
Wireless

Using Bluetooth® technique, the Luna offers an on-line view of recording, without cables connected to the computer. High quality signal recording can be guaranteed, before the patient leaves the investigation room.

Intermediate Bluetooth® download and review of data enables you to verify the quality of the recorded data before disconnecting the catheters.



Start recording



Multiple flow plot overlay

⁽¹⁾ van Waalwijk van Doorn E, Anders K, Khullar V, Kulseng Hansen S, Pesce F, Robertson A, Rosario D, Schafer W. The Standardisation of Ambulatory Urodynamic Monitoring, NeuroUrol.Urodyn 19:113-125 (2000).

Luna - Natural Filling Urodynamics

Ambulatory Urodynamic Monitoring (AUM) has a more important place in the diagnostic evaluation of patients with LUTS than generally considered. In half of the cases in which conventional urodynamics could not provide a diagnosis, AUM helps to diagnose OAB. Moreover, in the absence of AUM, many patients would have been misdiagnosed with an acontractile bladder based on their CUM results, which would most probably have resulted in life-time clean intermittent self-catheterization.⁽²⁾

The Luna is the first system to perform Natural Filling Urodynamics: enhanced AUM by adding sensation markers and bladder volume estimation to classic ambulatory recordings. Bladder volume will be measured by using a wireless uroflowmeter and/or ultrasound bladder scanner.

Natural Filling Urodynamics is a new standard in Urodynamics, offering the following advantages:

- Better clinical data, based on physiological bladder filling
- Lower costs per urodynamic procedure, saving labor and office space
- Increased patient comfort and more privacy

Discover a new way of urodynamic testing, providing better clinical data while spending less time!

Natural Filling Urodynamics:

Better, cheaper, easier!

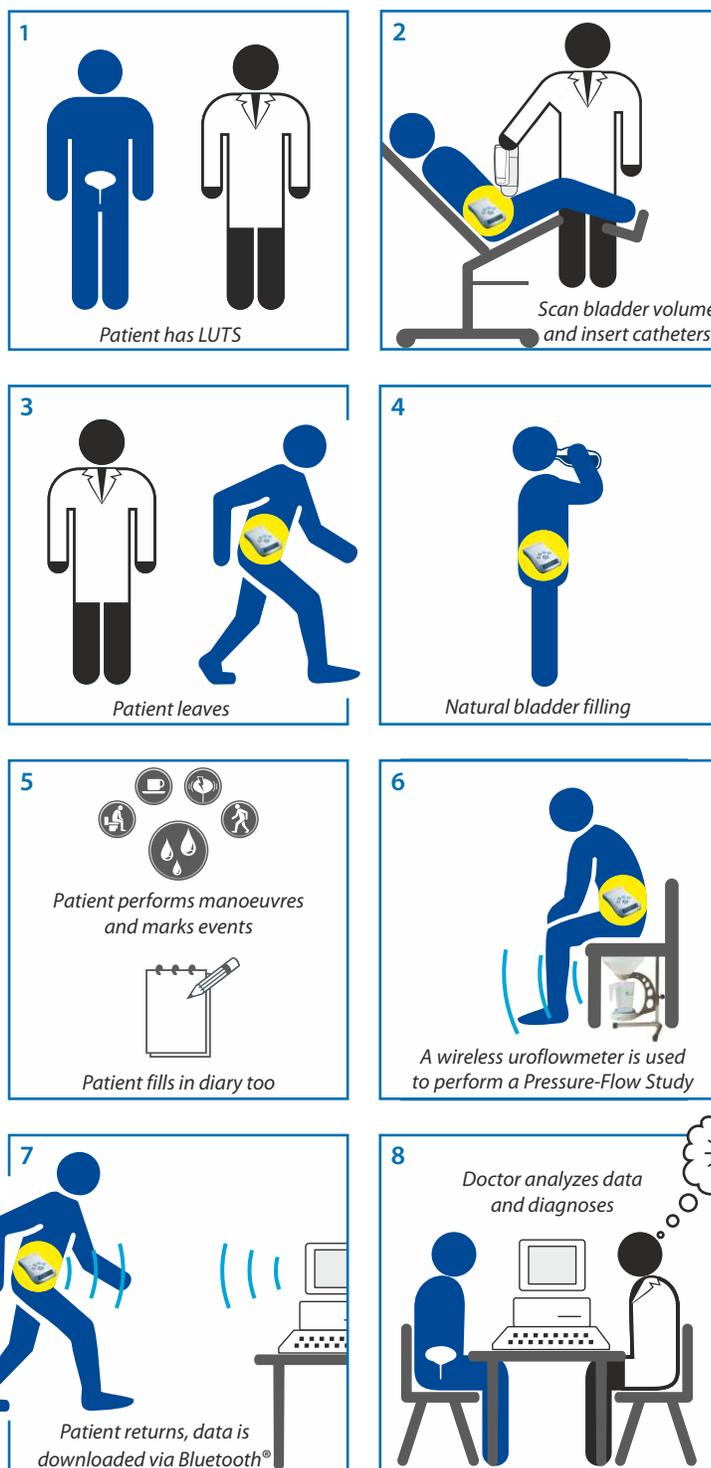
The Luna has enhanced classic Ambulatory Urodynamics. It is now possible to replace conventional urodynamics in the diagnoses of UI, OAB and BOO. Natural Filling Urodynamics is better, cheaper and easier!

The following urodynamic studies can now be carried out in a natural and physiological way:

- Uroflow
- Cystometry
- Pressure-flow



Luna in pediatric bag



⁽²⁾ Gommert A. van Koeveringe, Mohammad S. Rahnama'i and Bary C.M. Berghmans, Department of Urology, Maastricht University Medical Centre (MUMC+), The Netherlands
The additional value of ambulatory urodynamic measurements compared with conventional urodynamic measurements. BJU, May 2009, doi: 10.1111/j.1464-410X.2009.08790.x

Nexam-Luna - Conventional meets Ambulatory Urodynamics

Luna can be used in combination with our conventional urodynamic system, the Nexam. Nexam and Luna together provide a strong combination, offering:

- Wireless recording of Pressures (Pves, Pabd, Pura) and EMG during conventional urodynamics
- Easy prolongation of conventional urodynamic studies with ambulatory urodynamics
- No need to make a new appointment
- No need to replace catheters

Wireless recording of urodynamic data

Using Bluetooth® technology, the Luna Pressure & EMG recording unit is wirelessly connected to the Nexam system during the whole urodynamic study. As a result Nexam-Luna pressure recordings will always be performed on bladder level height. Furthermore your patient is free to move, so cough and valsalva manoeuvres are easy to perform.

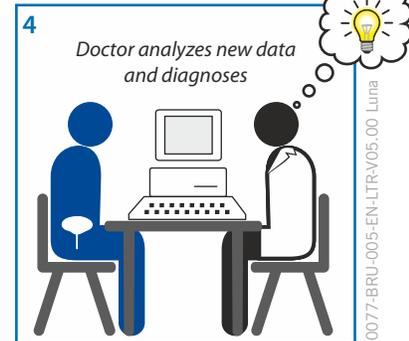
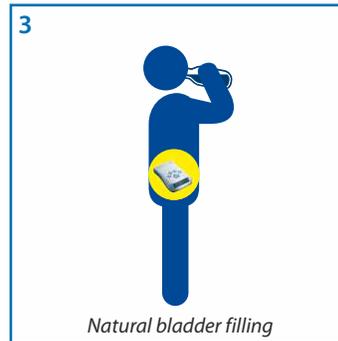
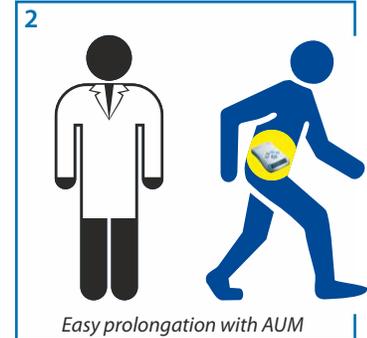
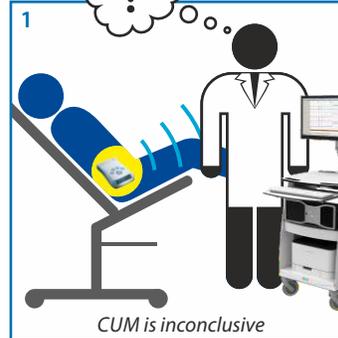
Easy prolongation

Sometimes conventional urodynamic investigations are inconclusive. The absence of bladder contractility, often due to emotional stress, is an indicator to perform ambulatory urodynamics. *But... a new appointment for the patient? Re-catherization? Use of different equipment? Not anymore!* With Nexam-Luna it is just a few mouse clicks and the patient is having an ambulatory urodynamic investigation.

Complete range of catheters

Laborie offers a complete range of air-charged, water-perfused and microtip catheters to use with Luna. Even small diameter catheters as from 3 French for children are available.

Easy prolongation of Conventional Urodynamics with Ambulatory Urodynamics



		Comparison table		
Product		Luna	Luna	Nexam-Luna
		Classic AUM	Natural Filling Urodynamics	Combination
Parameters	Pressures	●	●	●
	EMG	●	●	●
	Flow	●	●	●
	Leakage	●	●	●
	Bladder volume	-	●	●
	Sensation markers	-	●	●
Investigations	AUM	●	●	●
	Uroflow	●	●	●
	Cystometry	-	●	●
	Pressure-flow	-	●	●
	UPP	-	-	●
	Video-urodynamics	-	-	●
	Anorectal manometry	-	-	●

● = included - = not possible

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