

Nexam Pro

Wireless Professional Urodynamics

- Professional urodynamics made simple
- Wireless recording of Pressures, EMG & Uroflow
- Unique 10-roller Infusion pump
- Complete diagnosis of pelvic floor dysfunctions
- High Resolution Anorectal Manometry (HRAM)
- Workflow optimization capabilities (networking & EMR/HIS link)



Nexam Pro Highlights

- Professional and comprehensive urodynamic system
- Virtual Instructor Program (VIP) assists in achieving high quality investigations
- Wireless - less cabling - more convenient - increased ease-of-use
- Unique 10-roller Infusion pump
- Extended functionality: video-urodynamics, neuro-urodynamics
- Natural Filling Urodynamics: immediate prolongation of conventional urodynamic study with real ambulatory monitoring
- Well suited for both routine clinical urodynamics as well as research applications
- Ergonomic design with height adjustable monitor, allowing you to sit down during an investigation

High quality urodynamics made simple!

Nexam Pro has been developed in close collaboration with leading hospitals worldwide. Combined with many years of manufacturing experience in urodynamics, Nexam Pro has become the most user-friendly professional urodynamic system currently available.

Nexam Pro meets the latest ICS guidelines for Good Urodynamic Practice (GUP). The unique Virtual Instructor Program (VIP) assists during the investigation to achieve good quality investigations easily.

Bluetooth® technique is used to provide a variety of wireless functionalities, like multiple wireless uroflow, wireless pressure and EMG recording and a wireless speed controlled catheter puller system.

The 10-roller Infusion pump minimizes pulsations to secure high quality recordings.

The remote control allows you to stay close to the patient. Using just 4 buttons, 1 person can carry out the complete urodynamic investigation. This shortens examination time, secures the quality of the investigation, and provides greater patient privacy.

The large-sized monitor can be moved to the left or right and is height-adjustable. Therefore it is possible to be in a sitting or standing position during the investigation and/or during analysis of the results.



Bluetooth® remote control



Furthermore, a second monitor can be added for dual screen functionality, which is extremely useful for video-urodynamics and neuro-urodynamics.

The unique flexibility and modularity make it well-suited for both routine clinical urodynamics as well as for research. Nexam Pro can also easily be upgraded in the future.

Nexam Pro applications

The Nexam Pro has been designed to carry out high quality pelvic floor investigations in a quick, easy and convenient way.

Urodynamic examinations

- Uroflowmetry
- Cystometry (CMG)
- Pressure-Flow study
- Urethra Pressure Profiles (UPP)
- Gynecology study (Pressure-Flow and UPP in one test)
- Natural Filling Urodynamics

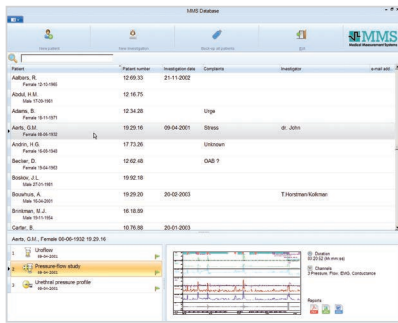
Pelvic floor functionalities

- EMG
- Video-urodynamics
- Neuro-urodynamics
- Anorectal manometry
- High Resolution Anorectal Manometry
- Biofeedback



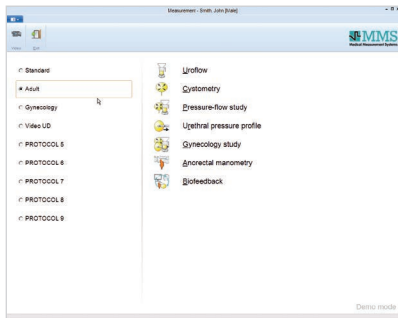
Wireless Pressure & EMG interface

High quality uroynamics in 5 steps!



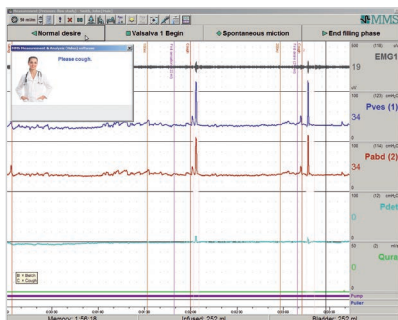
1. Enter or select patient name

- The extensive patient database enables easy entry and retrieval of patient and investigation data
- Patient card readers or HIS/EMR integration enable automated entry and selection of patient data
- VIP helps to protect against patient duplication



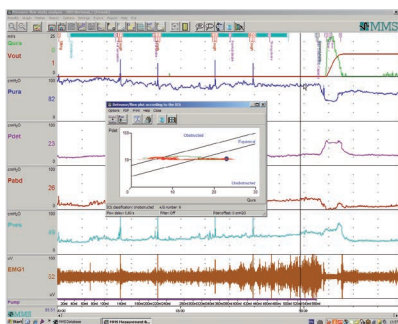
2. Prepare investigation

- Nexam Pro software is designed to meet the ICS "Good Urodynamic Practice" guidelines
- Select a predefined protocol (each investigator can have an individual protocol)
- Preview the urodynamic parameters to ensure best quality results
- VIP will assist you if the urodynamic pressures are too low or too high



3. Perform investigation

- Using only 4 remote buttons you are able to complete the Urodynamic study
- VIP will automatically ask the patient to cough to provoke leakage
- Artifacts are detected automatically when the patient coughs



4. Review investigation

- The Nexam Pro software program offers pre-defined results according to ICS standards
- Markers, investigation and conclusion comments can easily be added to the investigation

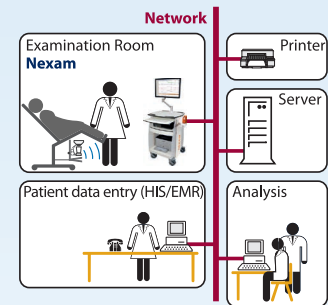
5. Print your report

- Rapid production of results on screen or paper
- User-definable protocols offer tailor-made reports, including doctor's or physician's name and hospital logo

Optimize your workflow with Networking and HIS/EMR integration

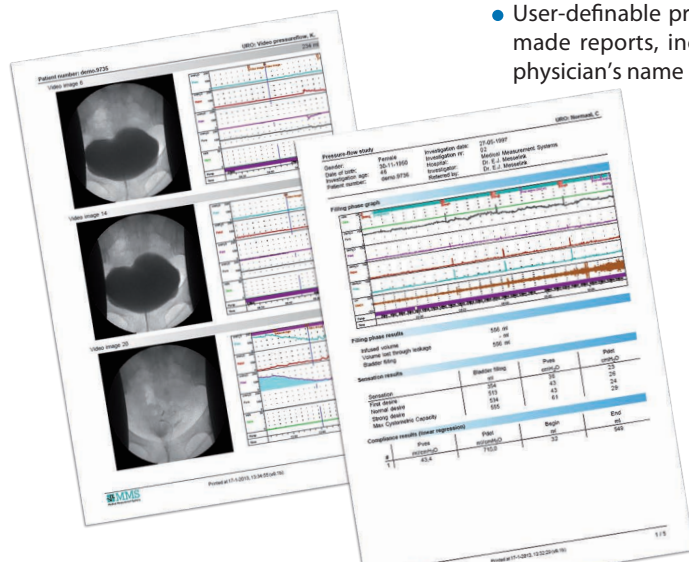
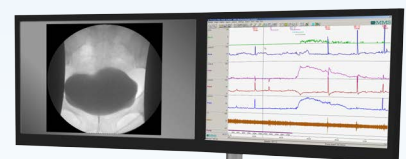
Nexam Pro is well designed to integrate urodynamic procedures with a Hospital Information System (HIS) or Electronic Medical Record (EMR) system. Patient data, such as demographics, can be imported or exported (HL7) to the HIS/EMR. This saves time and prevents entry mistakes. DICOM protocols offer you extended use of, and communication with, PACS systems.

Nexam Pro is developed to be part of a network system. This makes it possible to enter patient data, perform examinations and analyze results on different PC's in different hospital locations, such as waiting area, urodynamic room and doctor's office.



Video-urodynamics

High resolution or standard image digitization combined and synchronized with urodynamic graphs and data enhances the diagnosis of lower urinary tract dysfunctions.



Options for professionals

Luna wireless pressure recording

Add the Luna for wireless recording of Pressures and EMG, in combination with the possibility to easily prolong a conventional urodynamic study with ambulatory urodynamics (Natural Filling). This is done within a few seconds, without the need of a new appointment or re-catheterization



Wireless catheter puller

A wireless catheter puller can be added to Nexam Pro for speed controlled UPP Measurement



Ultrasound bladder scanner

Scanmaster, a USB ultrasound bladder scanner can be added to your system, offering an integrated solution to measure and store Initial Bladder Filling and PVR results and images automatically in the Nexam Pro database and print in the report!



Neuro-urodynamics

A Neuro Module for: Free running EMG, High speed/frequency EMG (up to 10 kHz), Pudendal Nerve Stimulation (PNS), Motor Nerve Conduction, Sacral Reflex and Sensory Threshold (Sensory Threshold is not available in the USA).

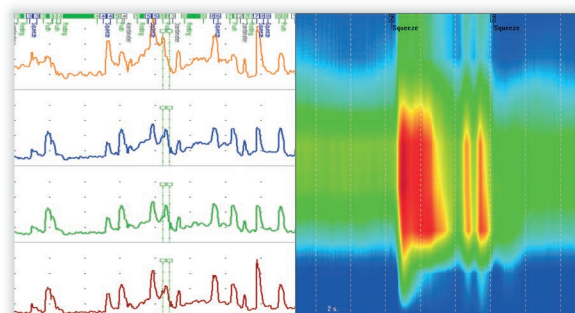


Anorectal manometry

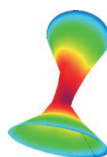
To objectively assess the function of the rectum and anorectal sphincter. The 4 or 8 pressure channels anorectal program includes resting, squeeze, cough, push, RAIR and sensation tests and anal rest or squeeze profile. More detailed information can be obtained from the 3-Dimensional Vector Volume Plot.

High Resolution Anorectal Manometry

High Resolution Anorectal Manometry (HRAM) is a new approach of measuring anorectal pressures, which offers more information than conventional manometry. In combination with contour plots, rapid data interpretation can be established due to the recognition of typical anal sphincter patterns.



Conventional Manometry versus HRAM



In combination with a dedicated 3-D catheter, HRAM data can also be displayed in a 3-Dimensional plot, providing even more information.

As a result sphincter damage or defects can easily be recognized in the tube view mode.

Biofeedback

Signals from the lower urinary tract and pelvic floor are displayed real-time to the patient as a friendly patient-responsive animation. Biofeedback training helps patients to develop beneficial and conscious control over body functions. Several scenes and (pediatric) animations are available.

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