

Study day: Clinical cases in urodynamics

A morning with Paul Abrams

Clinical case presented by: Dr. Argimiro Collado
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Detailed clinical hystory

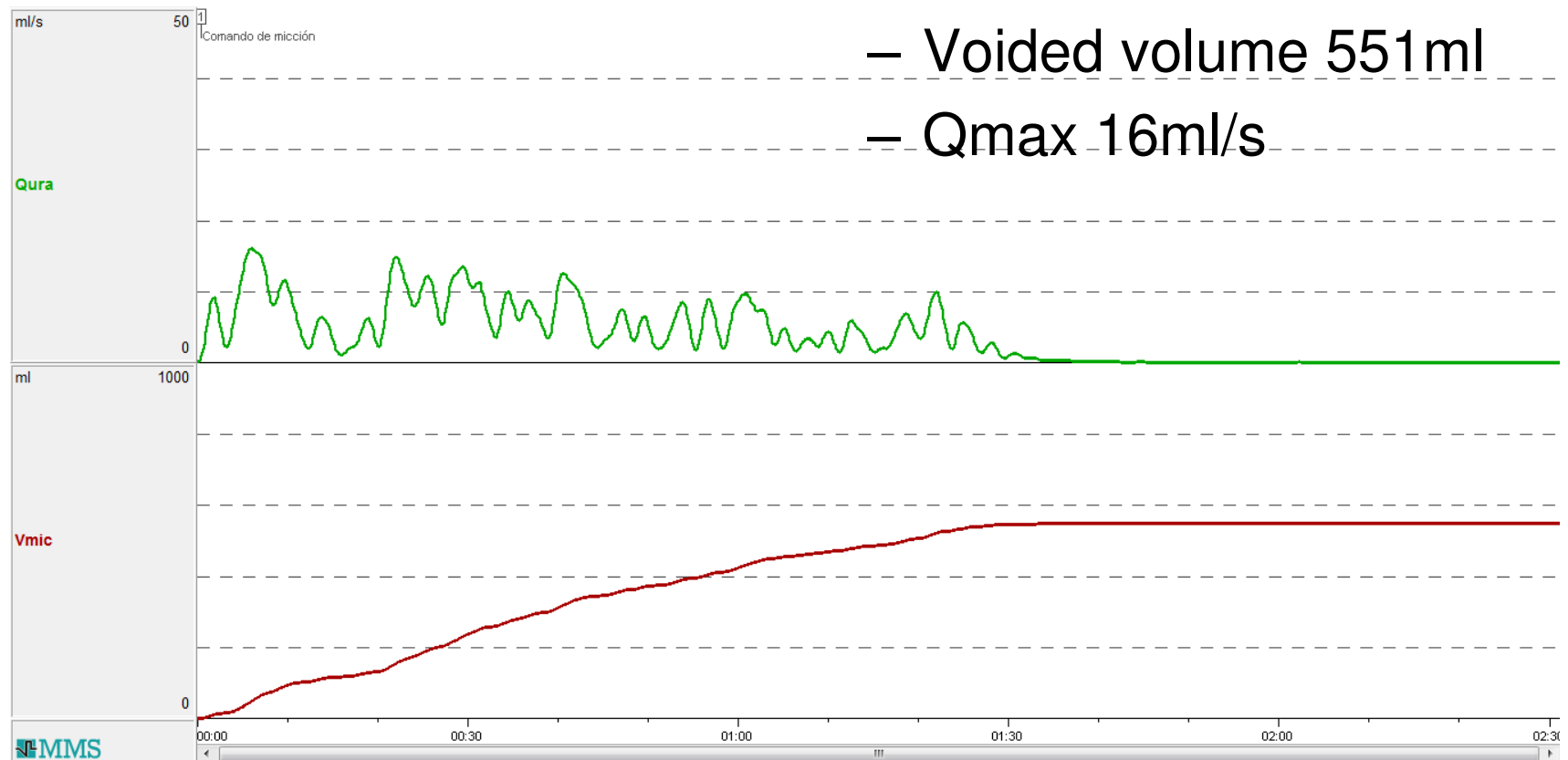
- 76 year old woman
- 1982: Hysterectomy for cervix carcinoma (Werthein-Meigs). Stage Ib.
- Negative oncologic controls.
- Urinary obstructive Syndrome since hysterectomy.

Detailed clinical history

- Digital reduction of cystocele during the micturition.
- Urinary frequency: 3-4hours. Nocturia: 0.
- Urodynamic test requested.

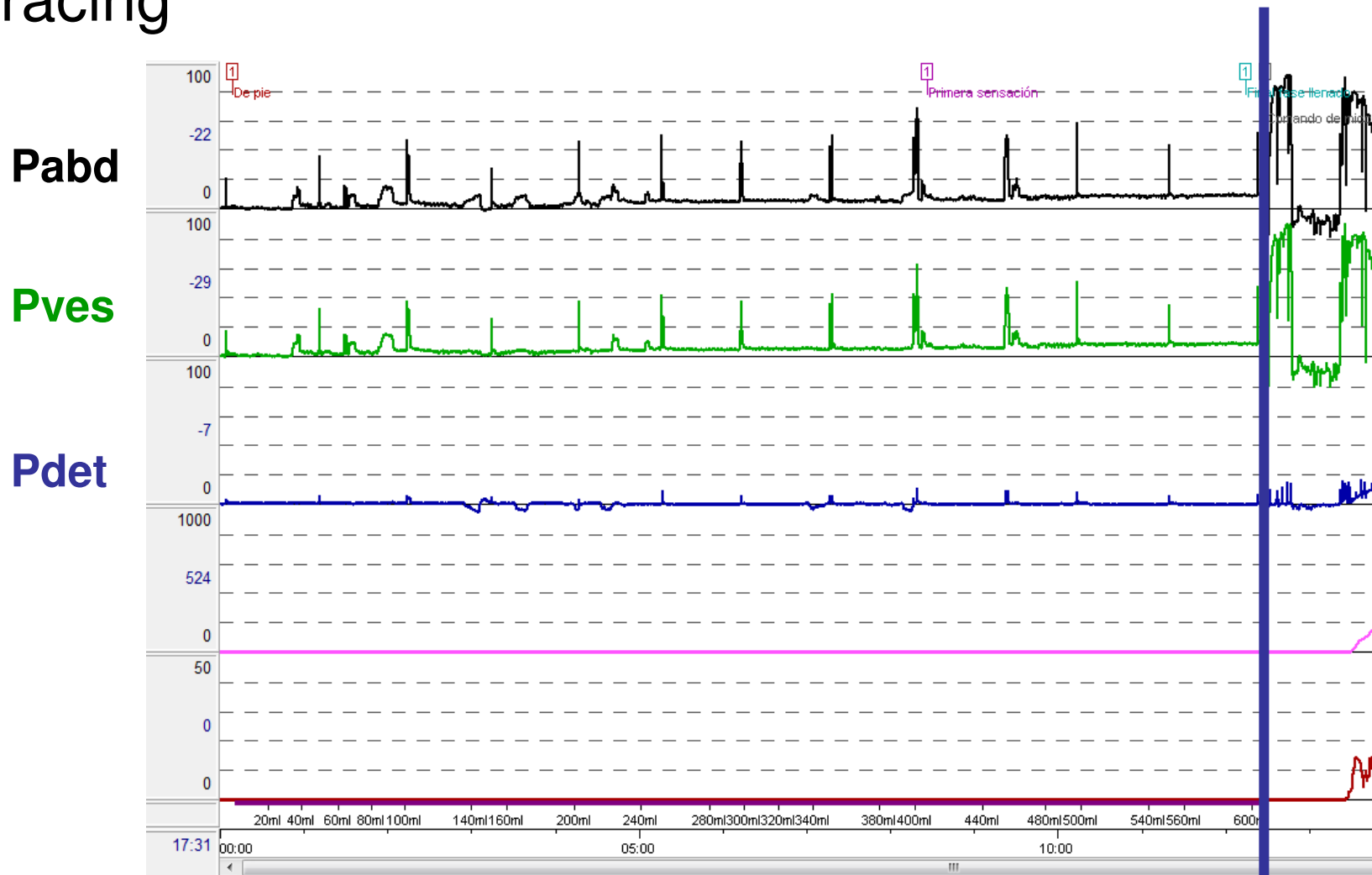
Urodynamic test: Uroflowmetry

Tracing



Urodynamics: cystometry

Tracing



Urodynamics: cystometry

Result

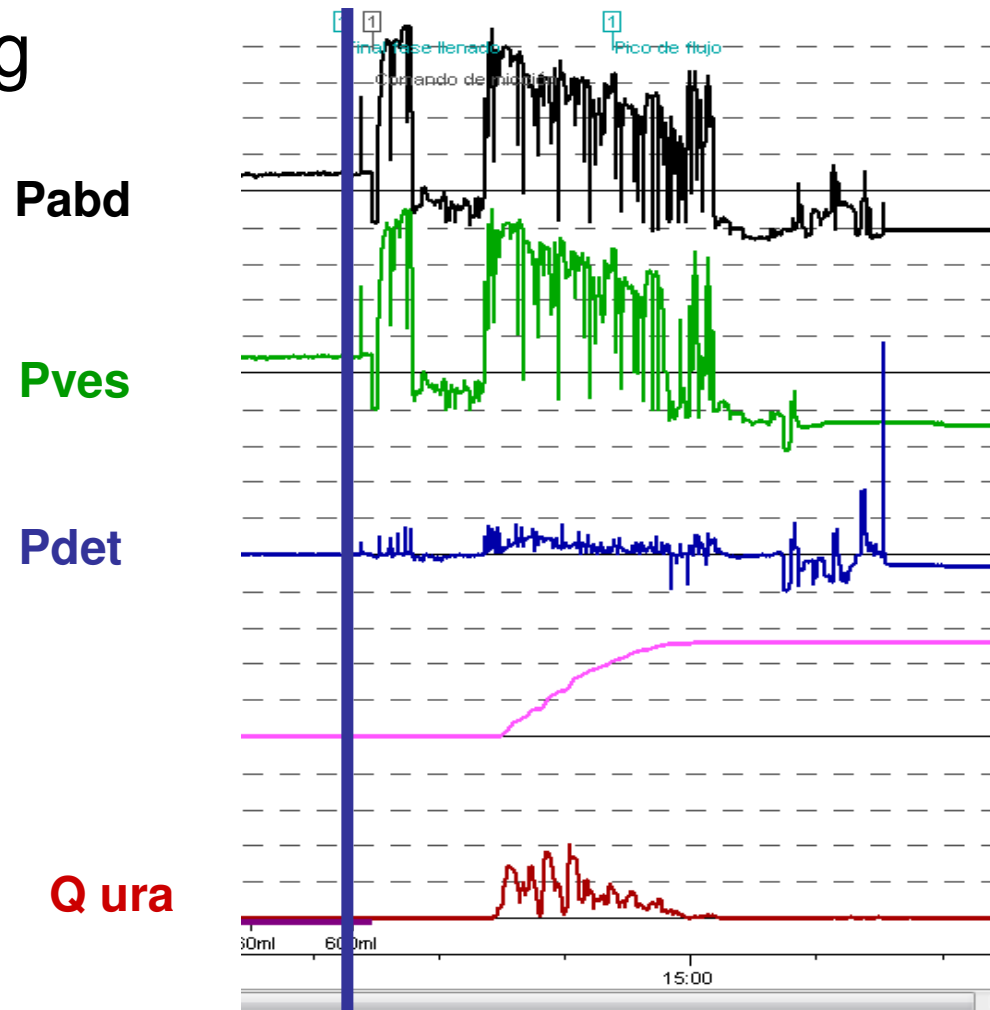
	Infused Vol	P ves	P det
First desire	408 ml	7 cmH ₂ O	0cmH ₂ O
Max Cys Cap	597 ml	8 cmH ₂ O	0cmH ₂ O

Urodynamics: cystometry

- **Comment**
 - Normal bladder capacity
 - Stable bladder
 - Normal compliance

Urodynamic test: Pressure/Flow Study

Tracing



Urodynamic test: Pressure/Flow Study

- **Result**

– Qmax	18	ml/s
– Pdet at Qmax	4	cmH2O
– Voided Volume	524	ml
– Post Void Volume	73	ml

Urodynamic test: Pressure/Flow Study

- **Comment**

- Digital reduction of the cystocele to enable emptying.
- Use of abdominal straining.
- Absent detrusor contraction.

Complementary Test

- **Abdominal ultrasound:**
 - Bladder capacity 607 cc
 - Without post voided volume.
 - Kidneys: normal.

Therapeutic approach

- No detrusor contraction post hysterectomy
- Post void residual urine not present if cystocele is reduced