

Study day: Clinical cases in urodynamics

A morning with Paul Abrams

Clinical case presented by: Gema Bueno Pacheco
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Detailed clinical history

- 67 year old woman.
- November 08: Correction of rectocele + TOT (for symptomatic rectocele grade III + Mixed urinary incontinence).
- Surgery and postop. normal.
- March 09: Urinary incontinence not associated with stress or urgency

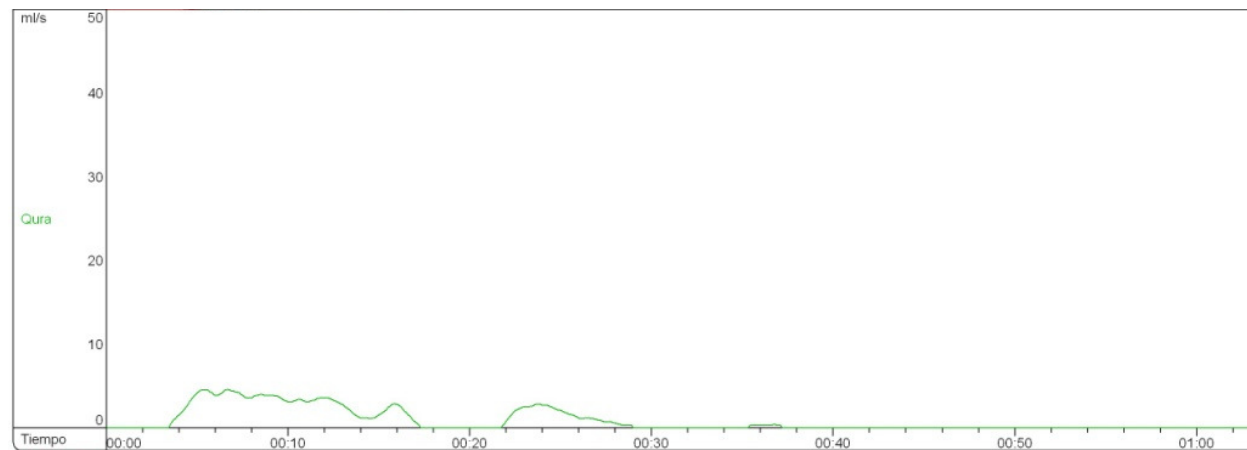
Detailed clinical history

- Examination:
 - No stress urinary incontinence.
 - No pelvic prolapse.
- Daytime frequency: 30min-1 h.
- Nicturia 3-4 times.
- Treatment: solifenacin 5-10mg
 - Partial response.

Urodynamic test: Uroflowmetry

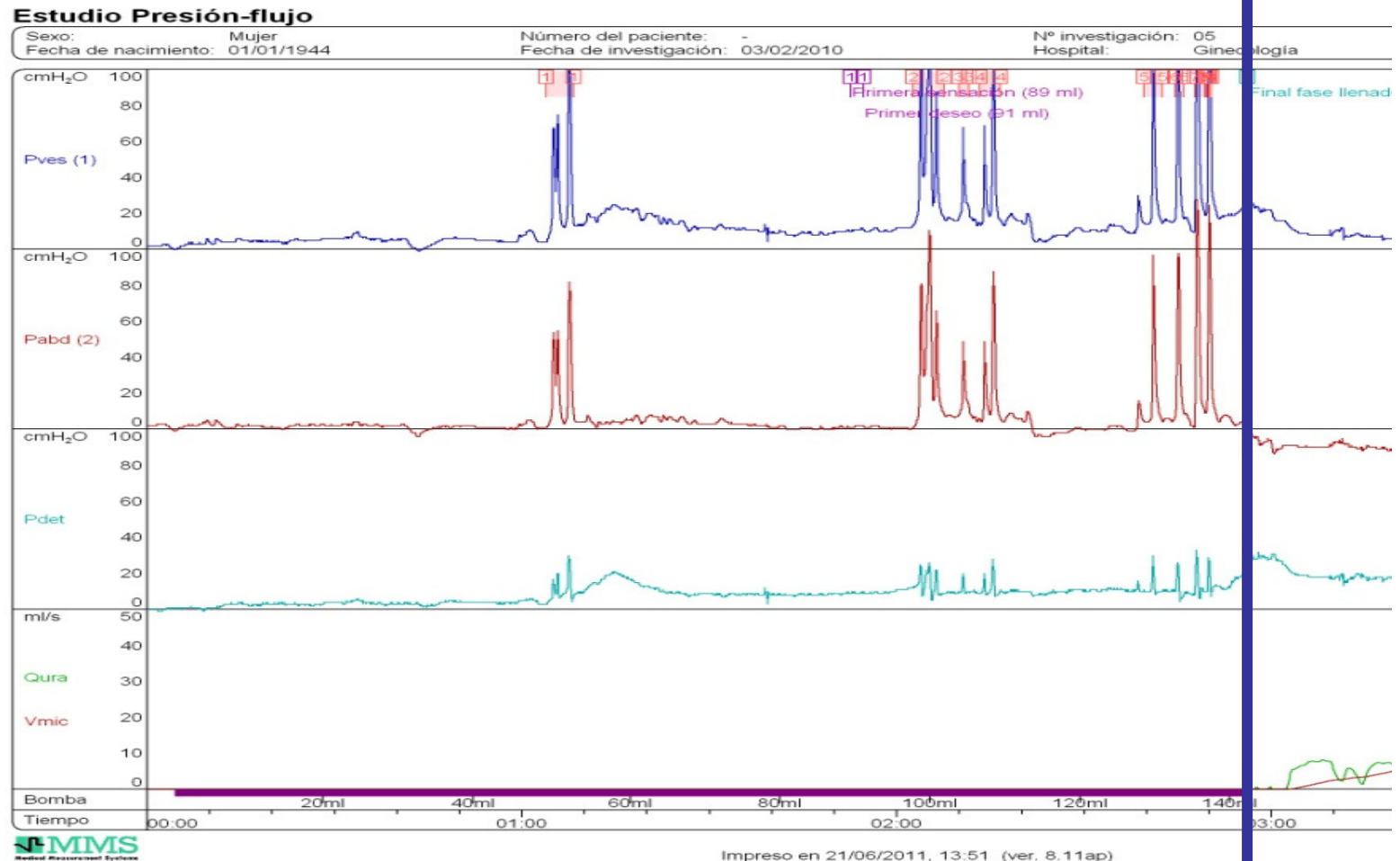
- Void volume: 54 ml.
- Qmax: 5ml/s
- Post void residual volume: 0ml.
- Unrepresentative uroflowmetry

Tracing



Urodynamics: Cystometry

Tracing



Urodynamics: Cystometry

- **Results**

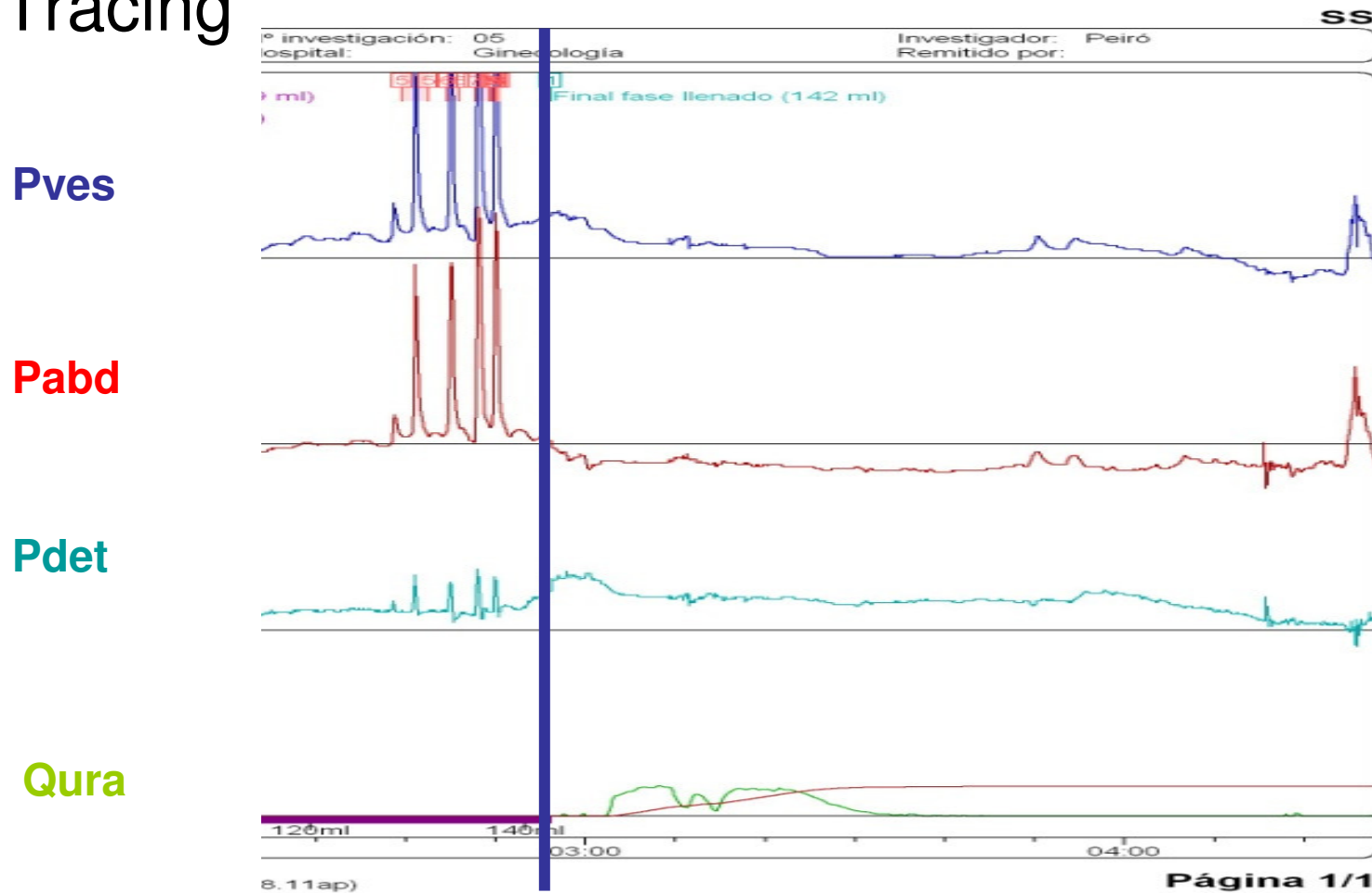
	Infus Vol	Pves	Pdet
• First desire	91ml	11cmH2O	9cmH2O
• Max Cyst Cap	142ml	25cmH2O	28cmH2O

Urodynamics: cystometry

- **Comment**
 - Low bladder capacity.
 - Low compliance.
 - Un-inhibited detrusor contractions of low intensity
 - Nausea at 90ml of infused volume in the bladder .

Urodynamic test: Pressure/Flow Study

Tracing



Urodynamic test: Pressure/Flow Study

- **Result**

– Qmax	8	ml/s
– Pdet at Qmax	18	cmH ₂ O
– Void volume	163	ml
– Post void volume	20	ml

Urodynamic test: Pressure/Flow Study

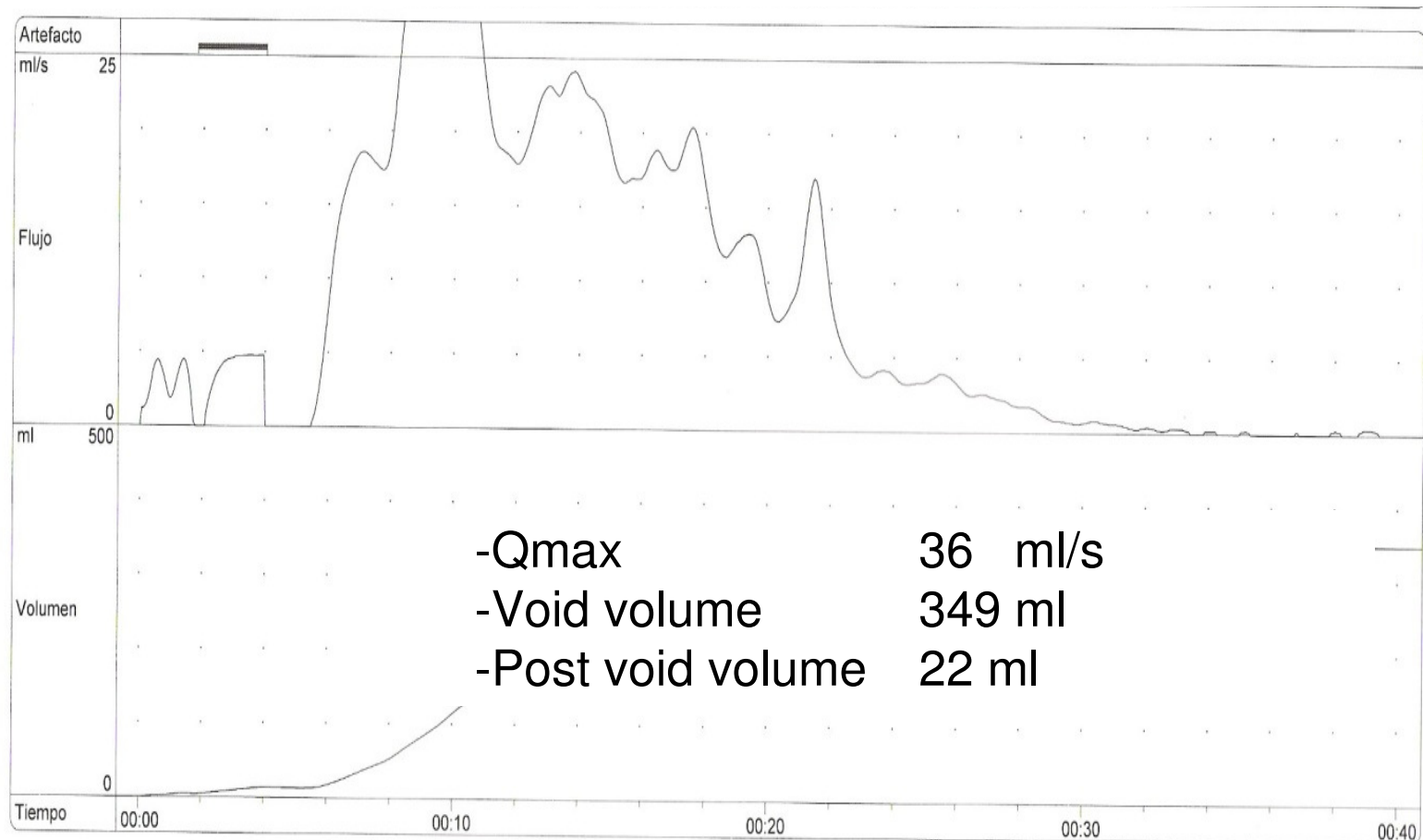
- **Comment**

- Low Q_{max} .
- Minimal detrusor contraction.
- No abdominal straining.
- Complete voiding / no Post void residual.

Complementary test

- She is referred to Urology Department:
 - Urethrocytoscopy: normal. Slight bladder neck stenosis.
 - Anticholinergic treatment was suspended.
 - Request new uroflowmetry and residual urine.

Complementary test: Control uroflowmetry



Therapeutic approach

- Overactive bladder that worsens after surgery for stress urinary incontinence with TOT.
- Minimum degree of obstruction (?) Possible contributor to increase in urgency?.
- The patient improved significantly when she stopped treatment with anticholinergics.

Questions

- Paradoxical effect of anticholinergic?
- “Psychogenic” Overactive Bladder?