

CASO CLINICO

B.R. nata 25/01/95 ♀

Nostra prima osservazione (27/11/00) :
enuresi primaria Non-monosintomatica

Cosa fare?

- **Esame urodinamico**
- **Ecografia reni e vescica**
- **Scintigrafia renale**
- **Ricerca RVU**

Ecografia renale e vescicale

rene dx 66 mm in sede anatomica a conservato rapporto cortico-midollare. **Rene sx 101mm**, in sede anatomica con **dilatazione idronefrotica** dei bacinetti renali (diametro max delle dilatazioni : polo superiore 28 mm; terzo medio : 18mm ; polo inferiore 31 mm) e della pelvi renale (15mm). **Vescica distesa a pareti ispessite (6 mm a vescica piena; 8 mm a vescica vuota)**. Assenza di residuo post-minzionale.

- ✓ Scintigrafia (Mag3): reni con **poli inferiori medializzati e fusi**. Rene **dx** con polo inferiore **ipocaptante**, ectasia pellica, renogramma con ritardo di transito. Rene **sx** di dimensioni aumentate con perfusione e captazione diffusamente disomogenee per marcata corticalizzazione parenchimale secondaria a dilatazione calico-pellica, e renogramma in accumulo fino a 20 minuti, scarsa eliminazione dopo furosemide (20%). L'immagine acquisita in ortostasi dopo minzione mostra ulteriore washout del 20%. ERPF rene **sx** 42,3% . ERPF rene **dx** 57,7%.
- ✓ CUM diretta (12/1/01) : Assenza di RVU pellico

Conclusioni : **idronefrosi sn con scarsa eliminazione dopo furosemide in pz. con reni a ferro di cavallo, in assenza di RVU**

InfoBox for Display 1A

ID: 151
Sex: F
Birth: 0/0/0
Head First, Supine
Acq: 12/1/2001 14:20:52
Planar, Dynamic
Inj Time: 14:14 Tc-99m
MAG3 H/L: 6.02 hrs
Heads: 1 Wins: 1
Acq Matrix: 128 x 128
20 Images Max Ct: 447
Collimator: LEGAP-Par
Mag: 1.00 Depth: 16
View Tern: 15.00 Seconds
File: R17
Image ID: AddAddRaw
Acq ID: Clearance
Organ: RENALE
Slice: 18.70 mm
1st Dynamic Frames: 4 16.00 sec/fram
2nd Dynamic Frames: 16 120.00 sec/frs
Top: 70.0% Bot: 0.0%

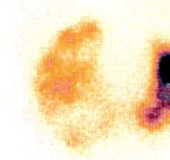
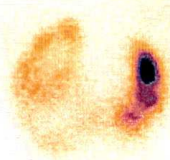


16 sec
4

120 sec
5

120 sec
6

120 sec
7

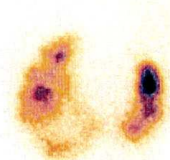
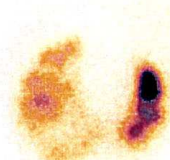


120 sec
8

120 sec
9

120 sec
10

120 sec
11



120 sec
12

120 sec
13

120 sec
14

120 sec
15

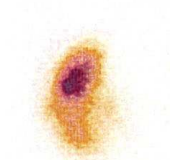
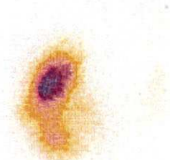
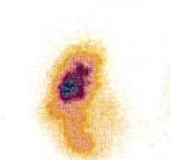


120 sec
16

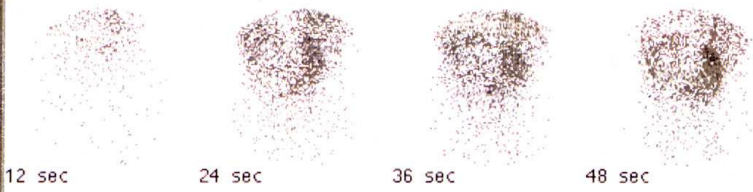
120 sec
17

120 sec
18

120 sec
19



(447 Relative)1A



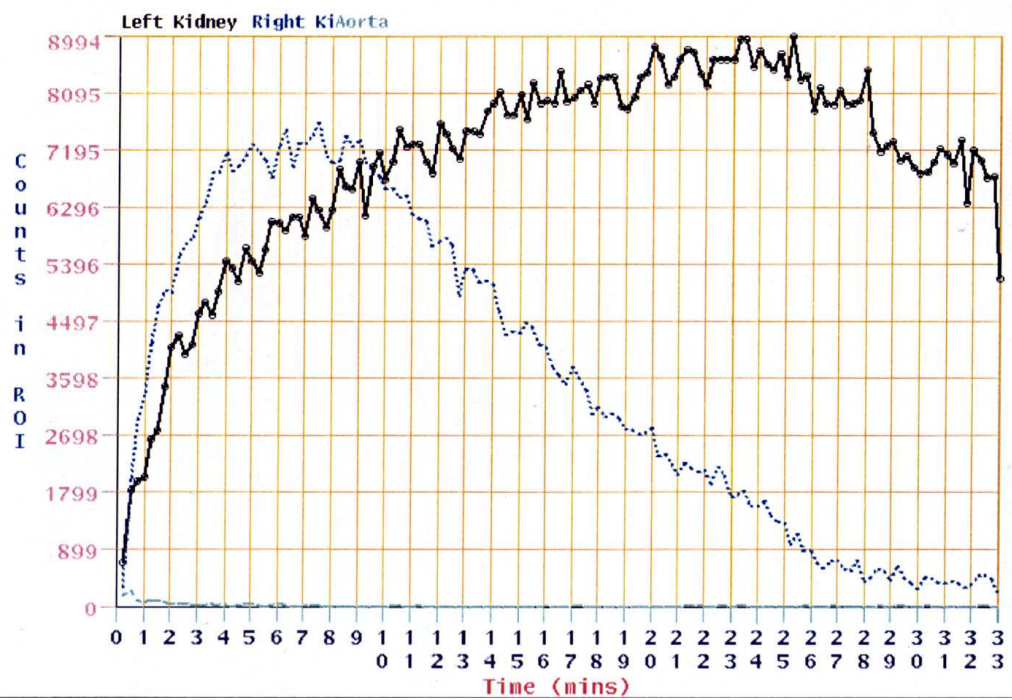
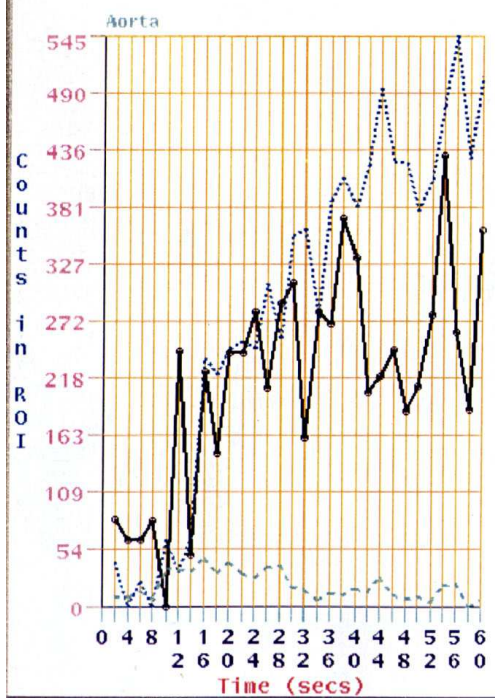
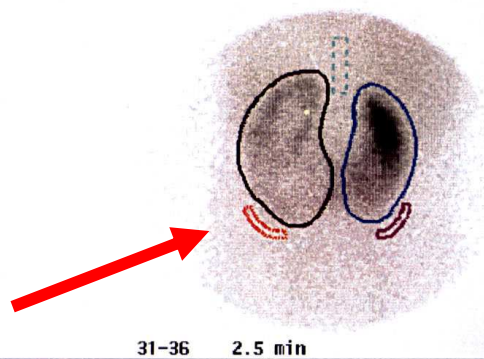
H:116 cm W:22 kg start: 0 sec

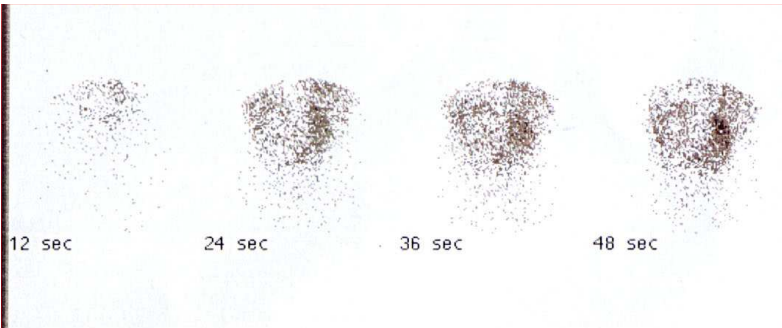
KIDNEY	T 1/2	T(peak)	%COUNTS at T(peak)	20/MAX	20/3
Left	not reached	25.3 min	L: 90.2% R: 9.8%	1.00	1.98
Right	8.7 min	7.5 min	L: 45.1% R: 54.9%	0.38	0.47

KIDNEY	DEPTH	%DOSE	SPLIT	ERPF	NORMALIZED
Left	32 mm	8.3%	42.3%	75.0 ml/min	154.6 ml/min/1.73msq
Right	32 mm	11.3%	57.7%	102.2 ml/min	210.8 ml/min/1.73msq
Total		19.6%	100.0%	177.2 ml/min	365.5 ml/min/1.73msq

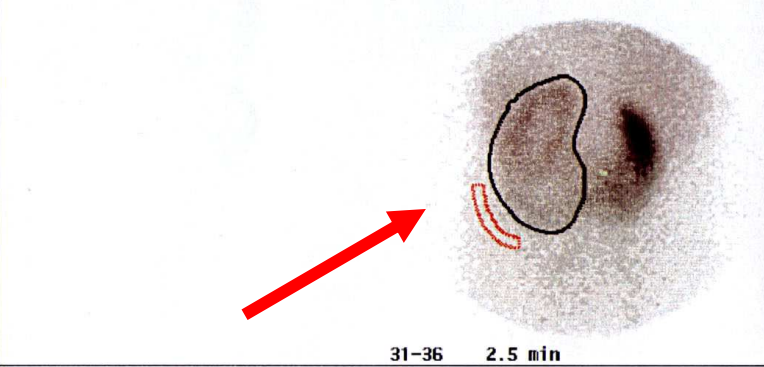
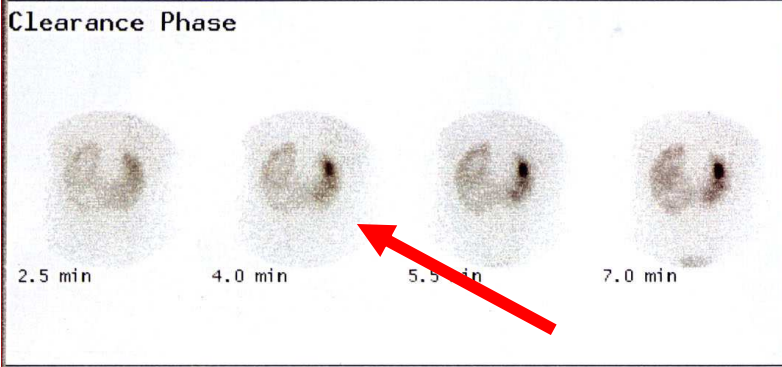
ID: 151
 Sex: F
 Acq. ID: Clearance
 View: Posterior
 Acq date: 12/1/2001
 Birthday: 0/0/0
 Pharm: MAC3
 University of Naples
 #1 2.00 sec/frame
 #1 30 frames
 #2 15.00 sec/frame
 #2 128 frames

Clearance Phase

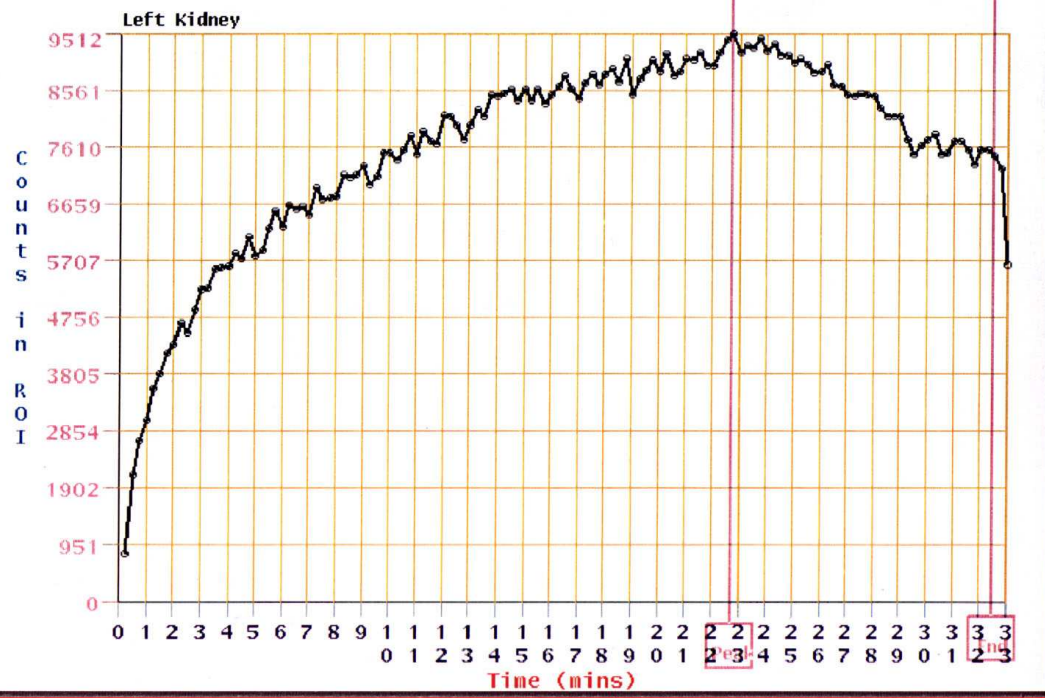
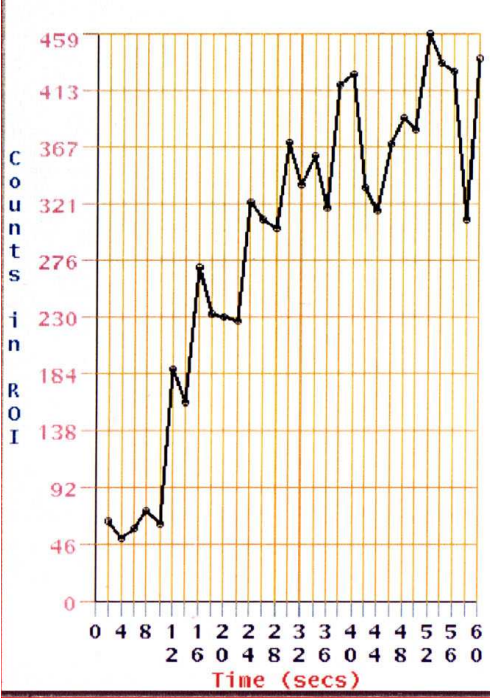




KIDNEY	T 1/2	T(peak)	%COUNTS at T(peak)		20/MAX	20/3
Left	not reached	22.8 min	L: 100.0%	R: 0.0%	1.00	1.85
Right	not reached	0.0 min	L: 100.0%	R: 0.0%	0.00	0.00

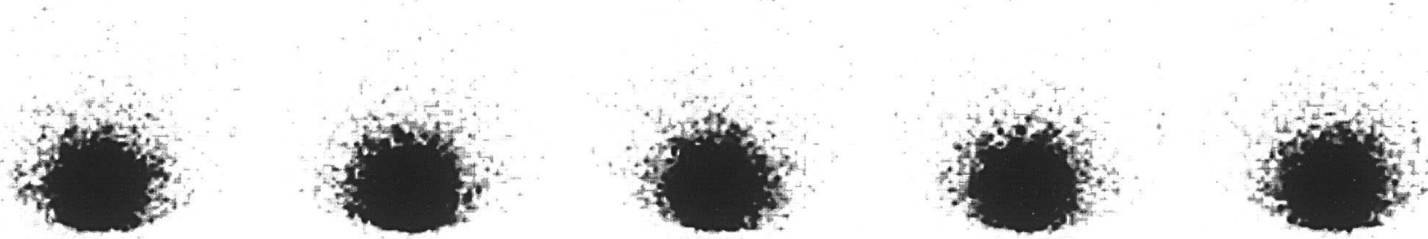


ID: 151
 Sex: F
 Acq. ID: Clearance
 View: Posterior
 Acq date: 12/1/2001
 Birthday: 0/0/0
 Pharm: MAC3
 University of Naples
 #1 2.00 sec/frame
 #1 30 frames
 #2 15.00 sec/frame
 #2 128 frames

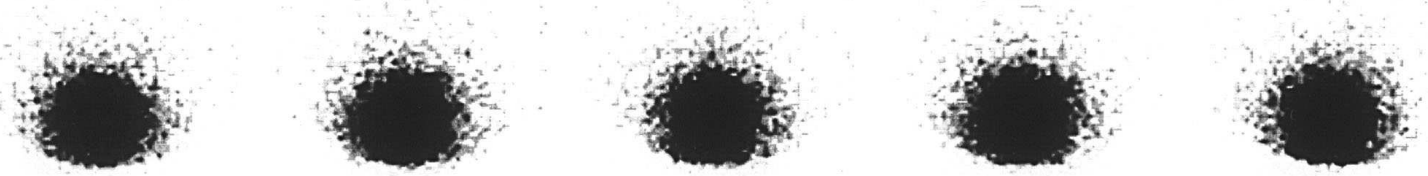


ID: 151
Sex: F
Birth: 0/0/0
Head First, Supine
Acq: 12/1/2001 12:41:25
Planar, Dynamic
Inj Time: 12:21 Tc-99m
H/L: 6.02 hrs
Heads: 1 Wins: 1
Acq Matrix: 64 x 64
205 Images Max Ct: 5
Collimator: LEGAP-Par
Mag: 1.00 Depth: 16
View Tern: 3.00 Seconds
File: R8
Image ID: TrCRaw Dat
Acq ID: PASSIVA
Organ: CUM
Slice: 4.68 mm

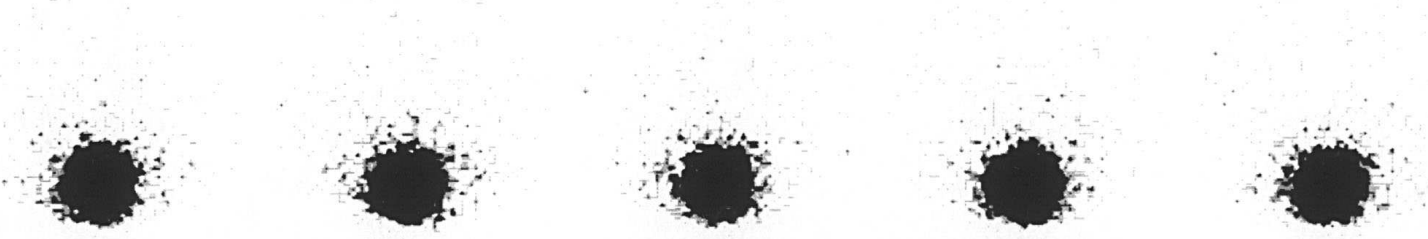
1st Dynamic Frames: 197 3.00 sec/fr
2nd Dynamic Frames: 6 3.00 sec/fran
3rd Dynamic Frames: 1 3.00 sec/fran
4th Dynamic Frames: 1 3.00 sec/fran
Top: 29.0% Bot: 2.0%



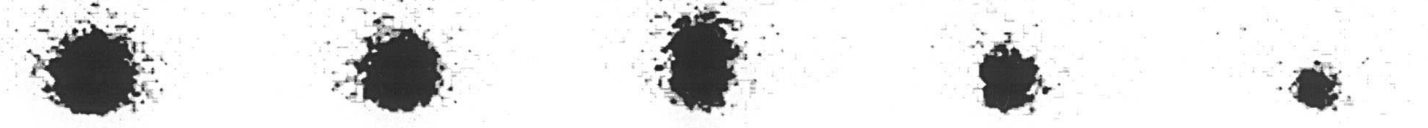
FASE PASSIVA



(Image Relative)1A



FASE ATTIVA



(Image Relative)1B

Altri esami da fare?

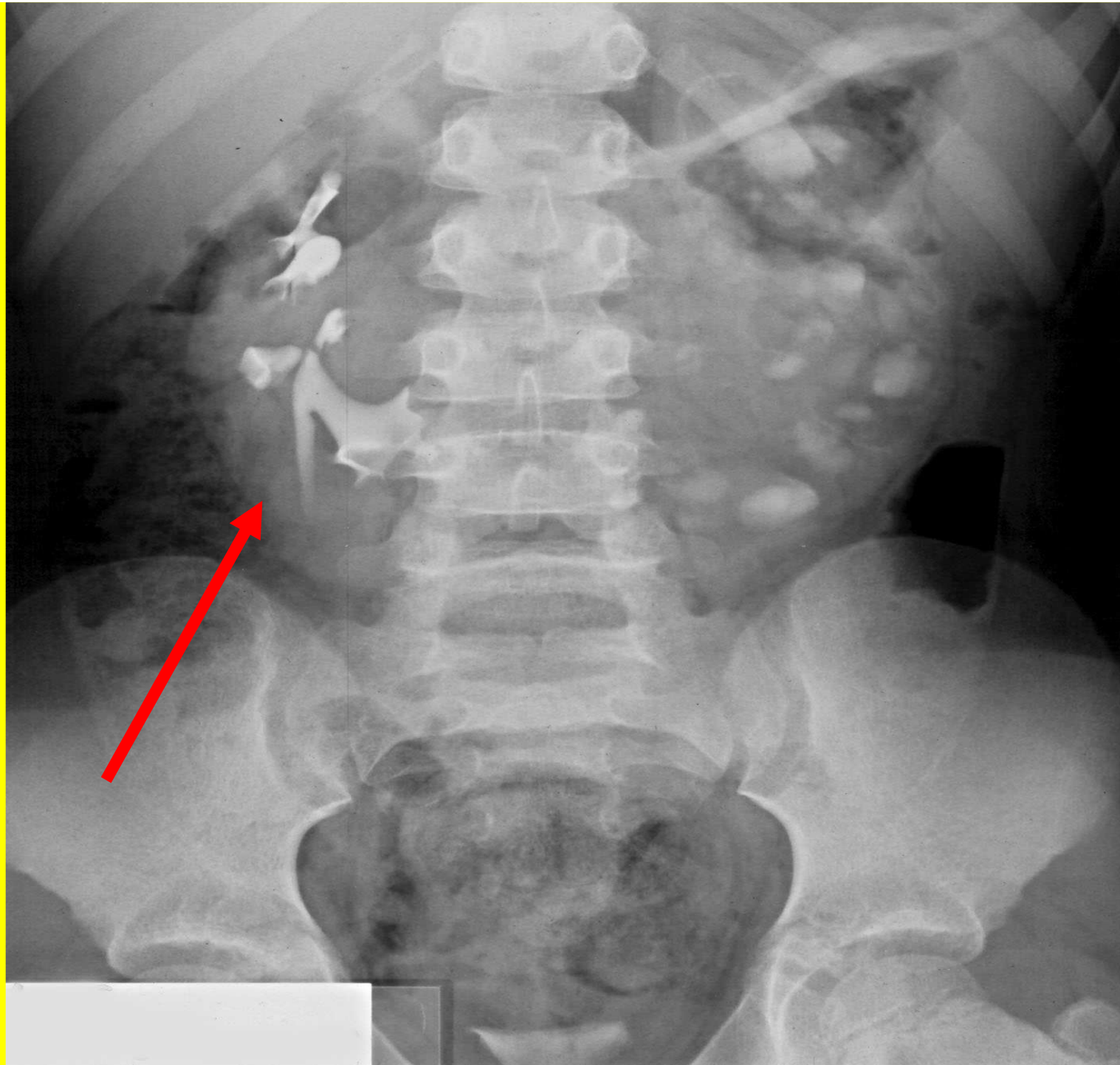
 Urografia

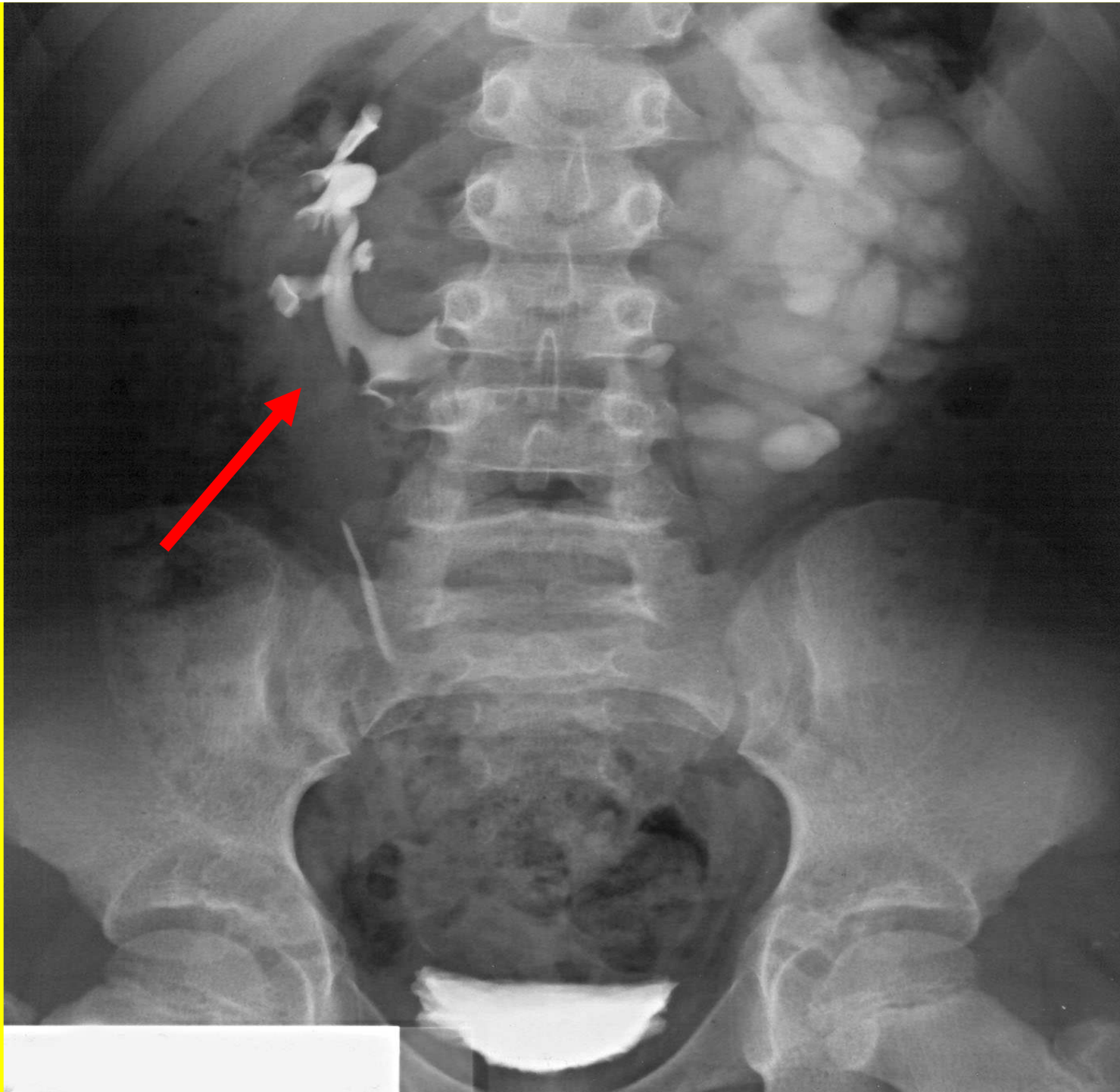
 TC/RMN

 Ripetere ecografia

 Nessuno

- ✓ Urografia (27/2/01) : presenza di **reni** fusi inferiormente a **"ferro di cavallo"** modicamente anteriorizzati con cavità escrettrici di dx con volume normale e forma coerente con la displasia sopradetta. A **sn** marcato aumento del rene con opacizzazione nettamente ritardata delle cavità calicopieliche marcatamente idronefrotiche con scarso parenchima renale residuo e con ampolla globosa per **stenosi del giunto pielo-ureterale**. Vescica in sede e nei limiti.





Cosa fare?

- Intervento chirurgico
- Ossibutinina
- Profilassi antibiotica
- Tutti i precedenti

- ✓ Intervento chirurgico di plastica del giunto pielo-ureterale sn ad ottobre 2003
- ✓ Terapia con Ossibutinina e profilassi IVU per 6 mesi



Sintomi	Punteggio
Urgenza	7
Urge-incontinenza	2
Manovre di autocontrollo	7
Incontinenza completa	7
Frequency (>7 minzioni/die)	5

DIAGNOSTICA

Punteggio ≥ 7

Es. Urodinamico

*Ecografia
spessore >5 mm*



IPERATTIVITA'

PATOLOGIE ASSOCIATE

<input type="checkbox"/> <i>Pielectasia</i>	<i>15 pz</i>
<input type="checkbox"/> <i>Doppio Distretto</i>	<i>1 pz</i>
<input type="checkbox"/> <i>RVU</i>	<i>3 pz</i>
<input type="checkbox"/> <i>Valvole uretrali</i>	<i>1 pz</i>
<input type="checkbox"/> <i>Rene a ferro di cavallo</i>	<i>1 pz</i>



7.2%

Microlitiasi 6/106