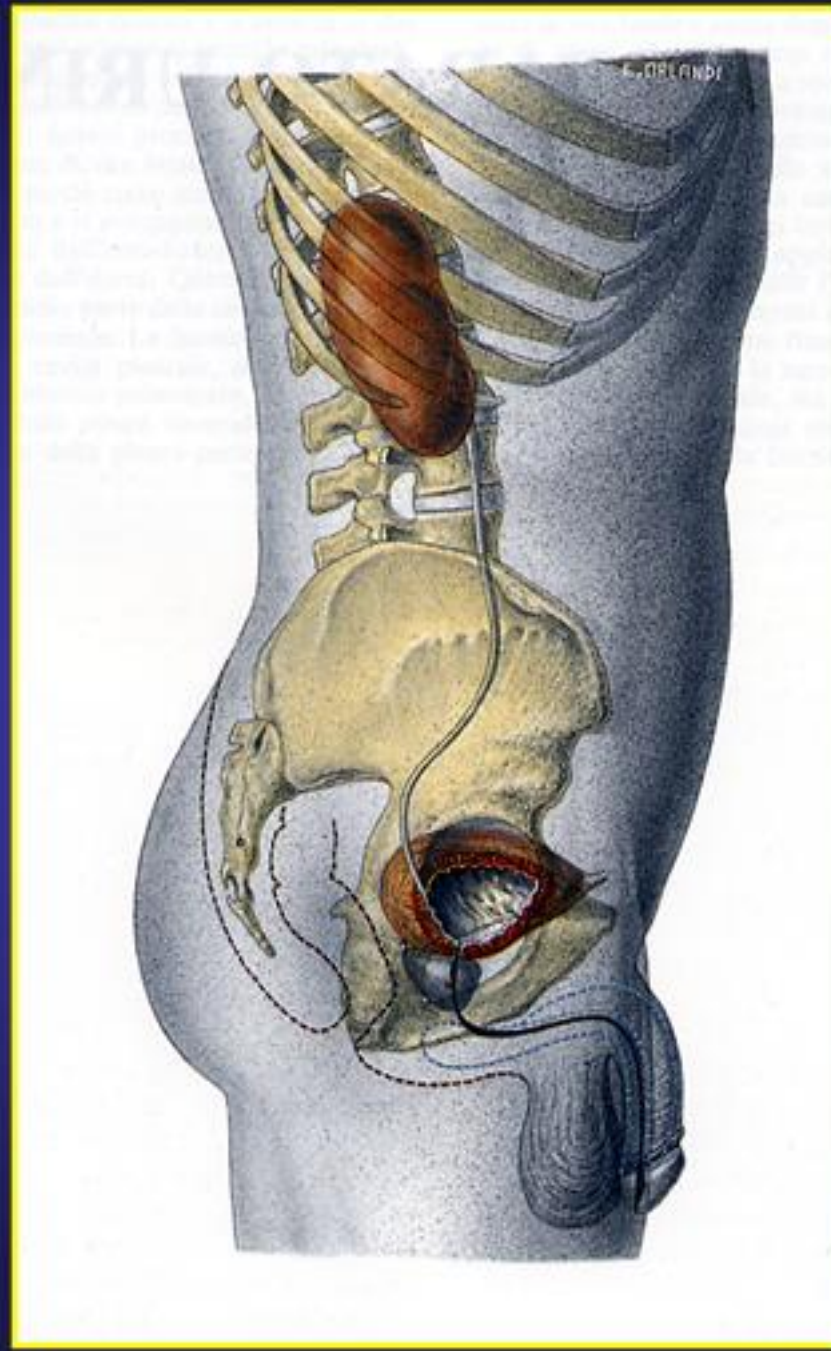


WWW.FISIOKINESITERAPIA.BIZ

ANATOMIA RADIOGRAFICA
DELL'APPARATO URINARIO



Apparato urinario

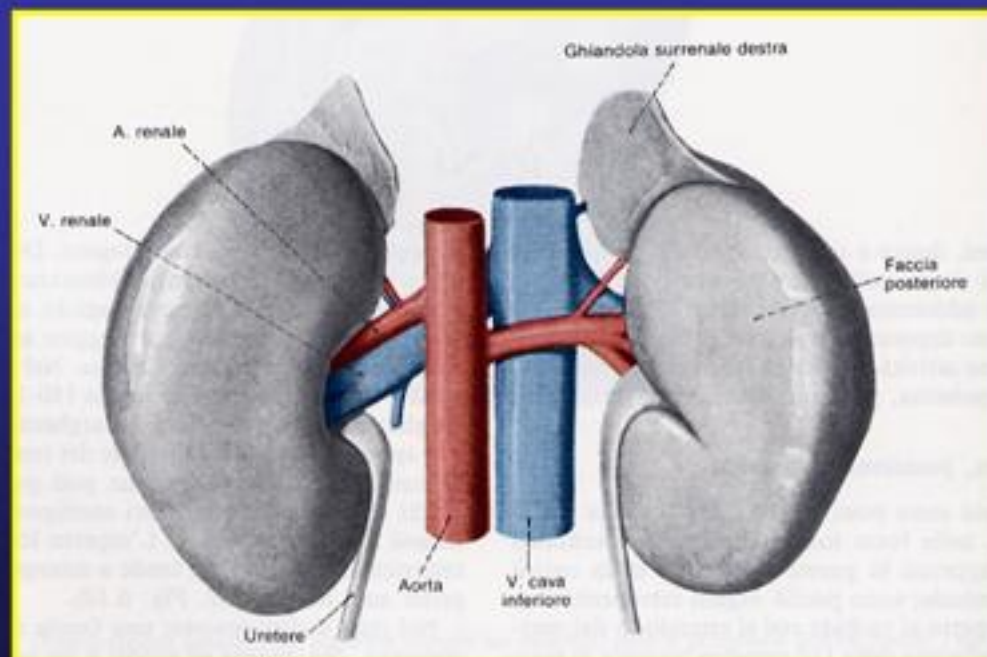
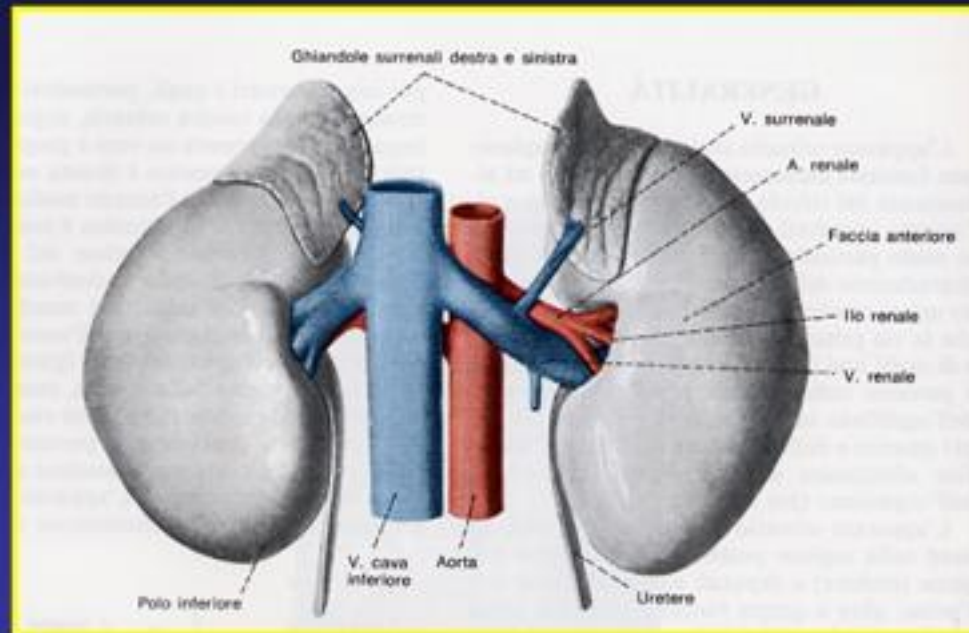
Reni



Apparato urinario

Funzione:

emuntoria (allontanamento dal circolo ematico ed eliminazione all'esterno di metaboliti quali urea, creatinina, ac. urico ecc. ma anche acqua, molti ioni e sostanze estranee come farmaci)



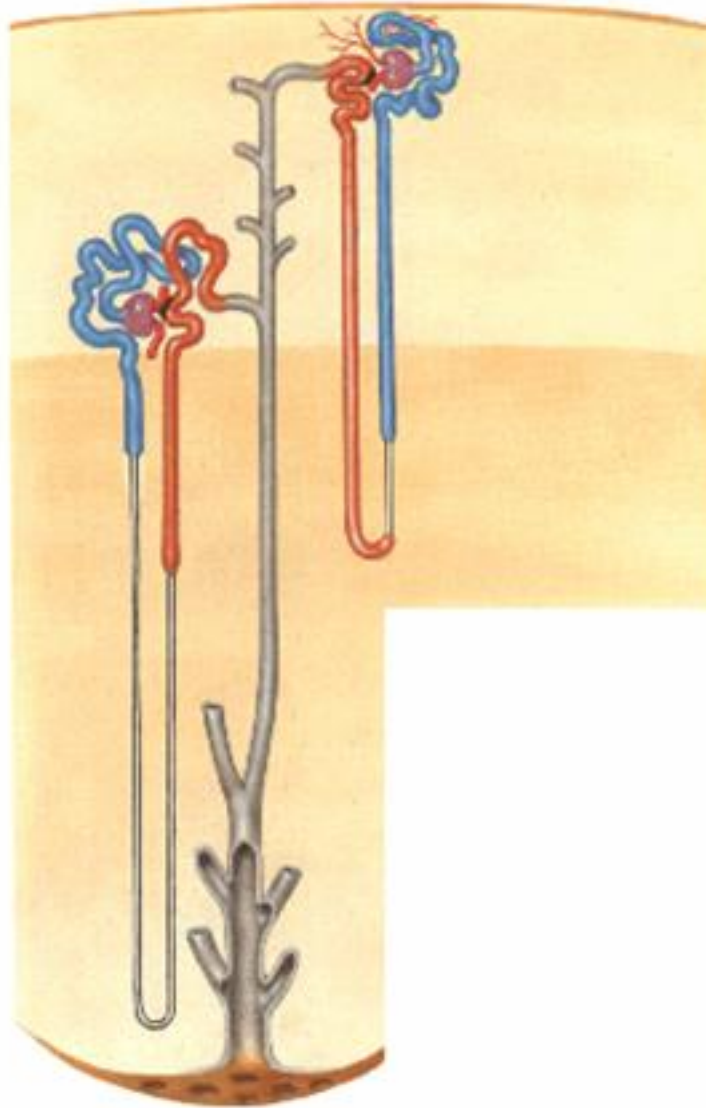
Reni: Unità funzionale



Reni



Nephron and Collecting Tubule Schema



Reni

Piramidi renali —→ calici minori

(n. 8-12)

calici maggiori

superiore

medio

inferiore

pelvi



Right Kidney Sectioned in Several Planes



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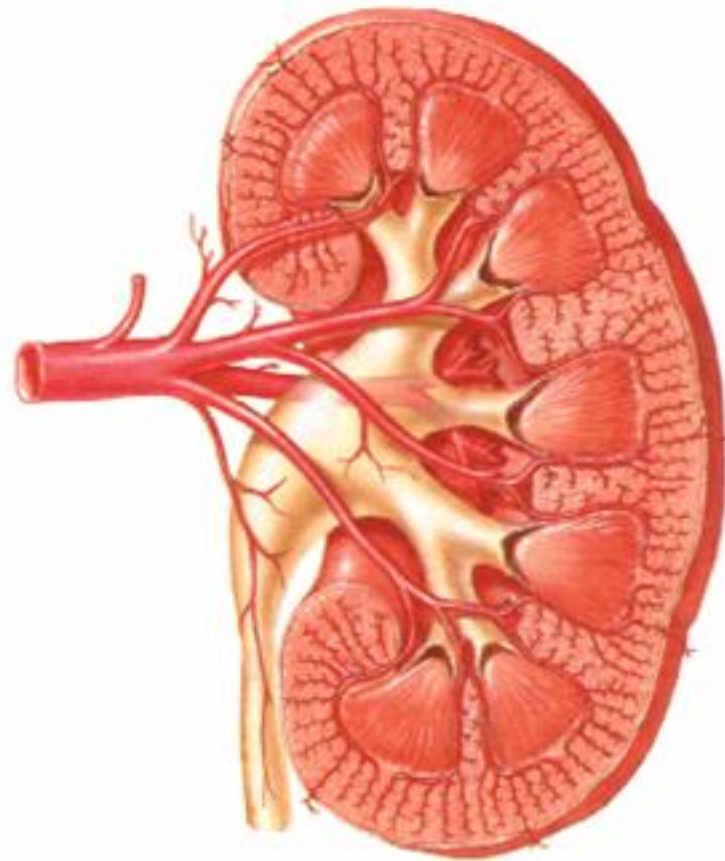
Reni

Midollare → Piramidi renali

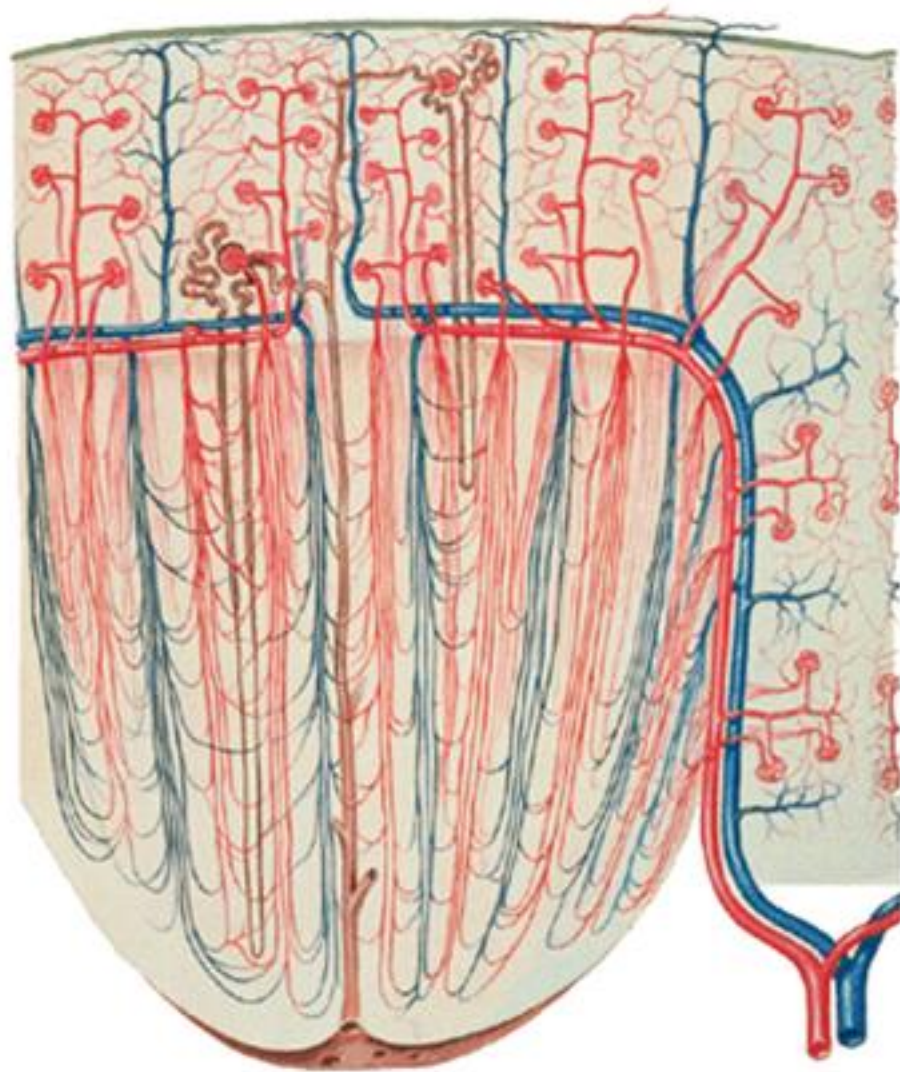
Corticale → **Cortex corticis (corpuscoli renali)**
→ **Colonne di Bertin**

Intrarenal Arteries

Frontal Section of Left Kidney - Anterior View



Blood Vessels in Kidney Parenchyma Schema

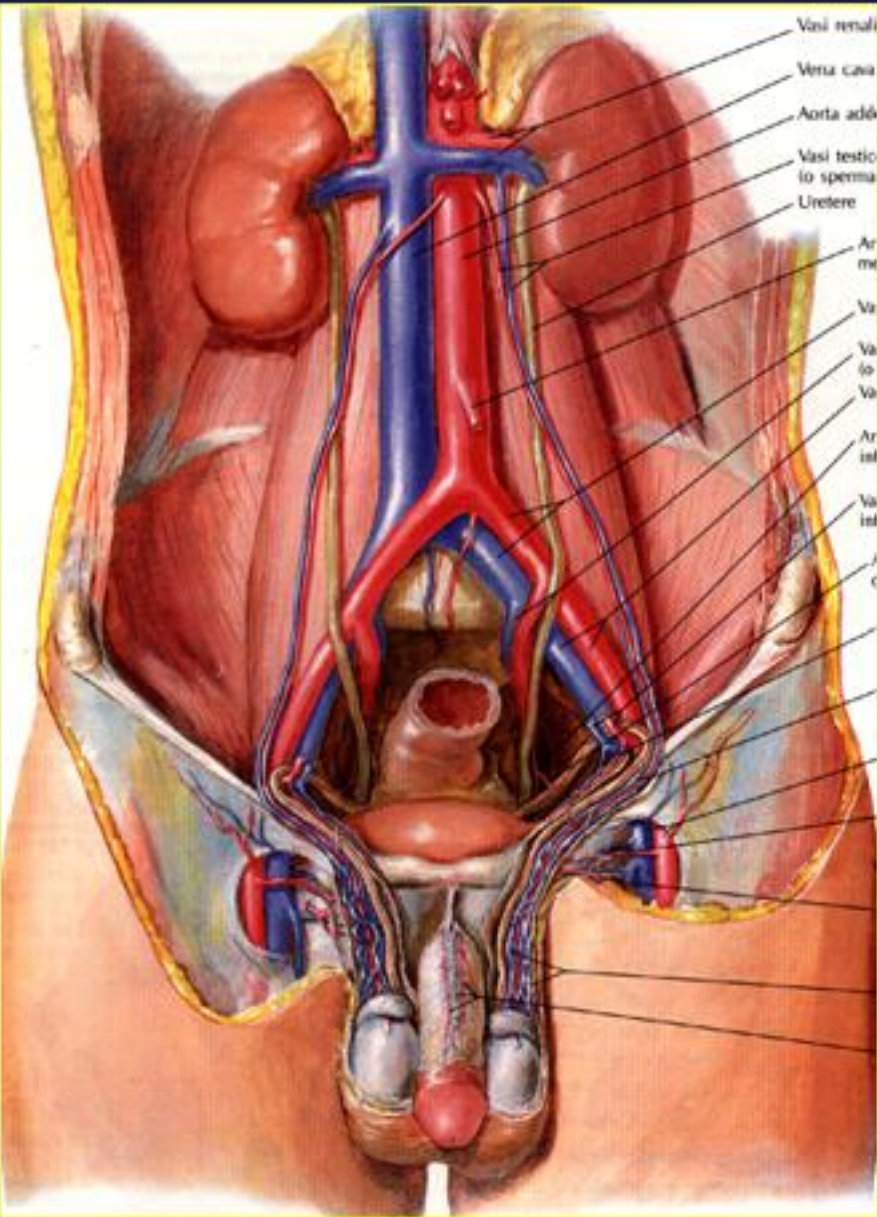


F. Netter
M.D.

Reni

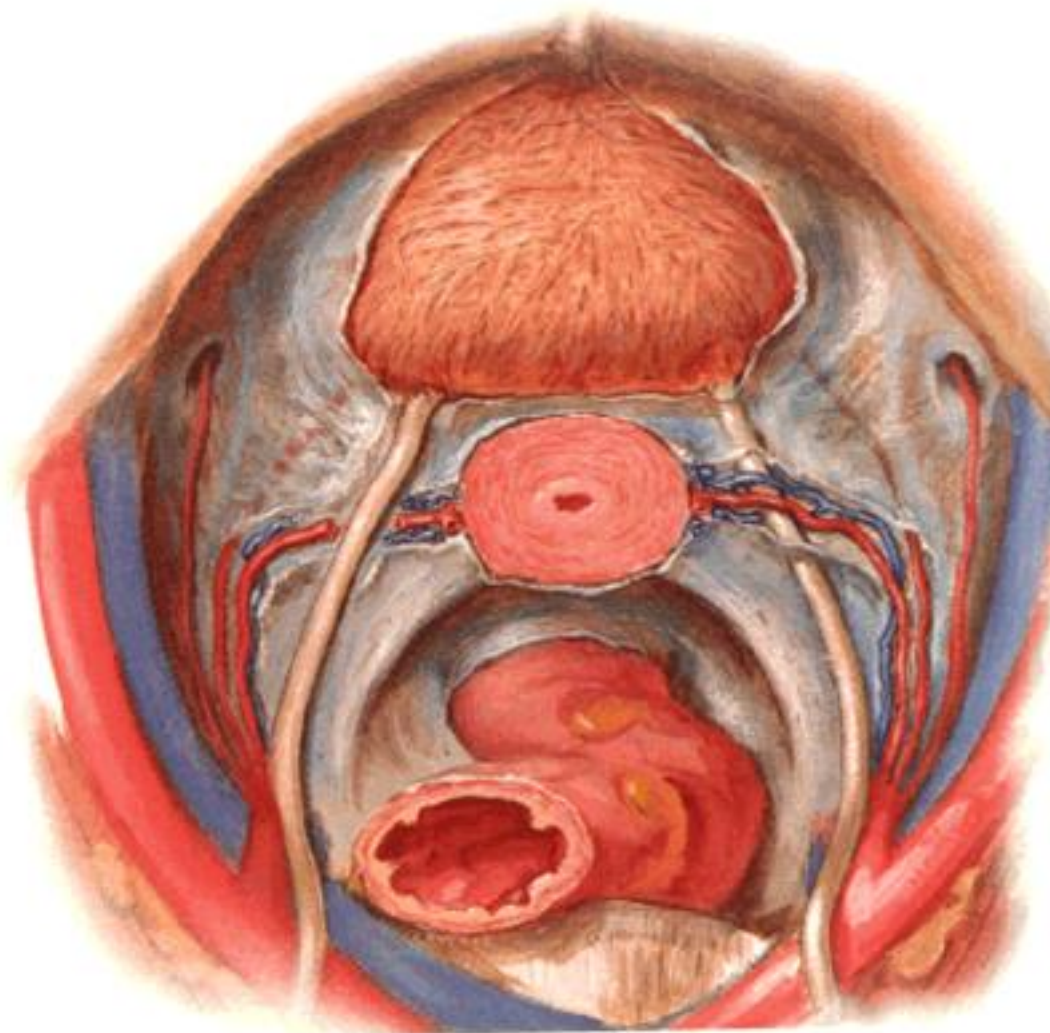
Funzioni:

- Produzione di urina
- Producono e mettono in circolo:
 - *eritropoietina*
 - *renina*
 - *1,25-idrossicolecalciferolo*



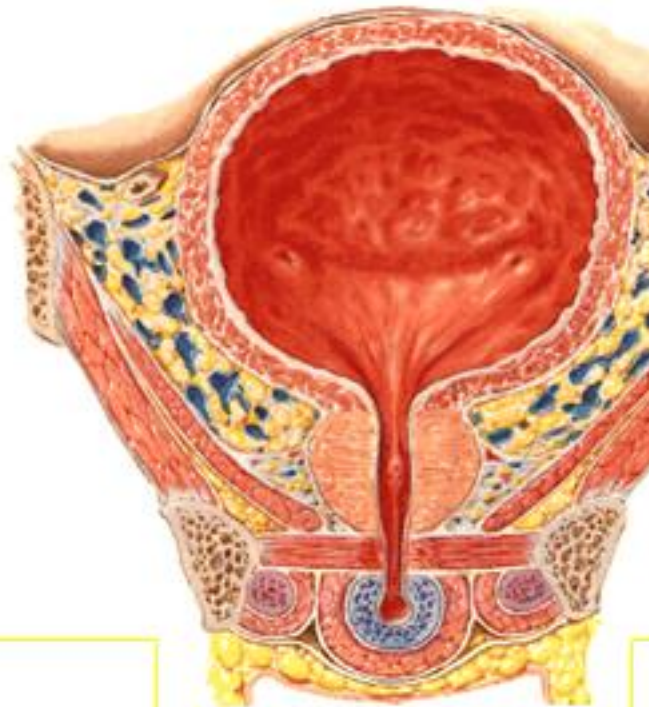
Pelvic Viscera of Female

Superior View - Peritoneum Removed



F. Netter
M.D.
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Urinary Bladder of Male
Frontal Section



Prostate and Seminal Vesicles
Sagittal Section

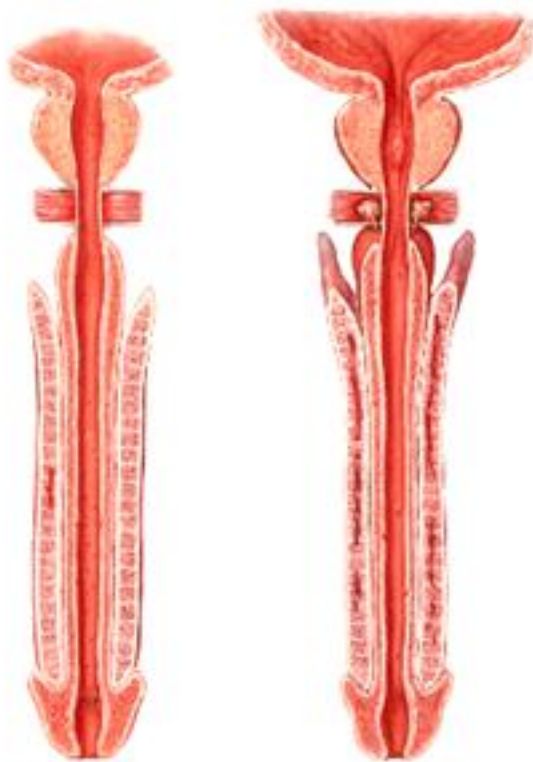


Uretra

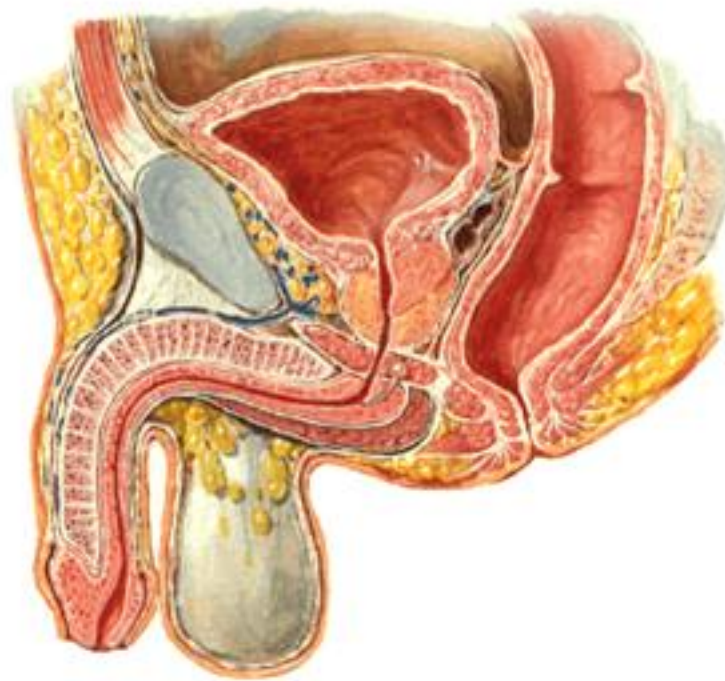


Femminile

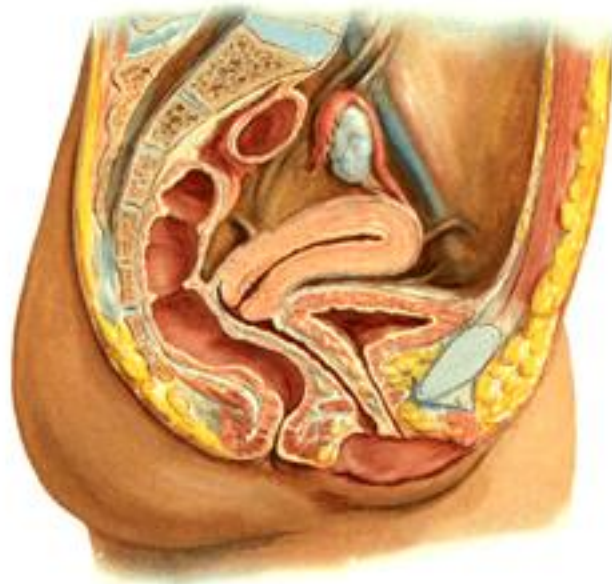
Urethra Male



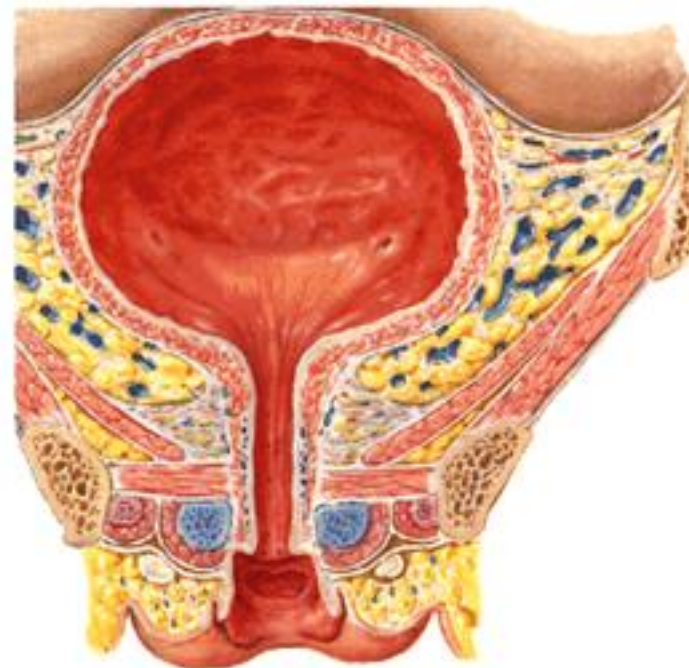
Pelvic Viscera and Perineum of Male Midsagittal Section



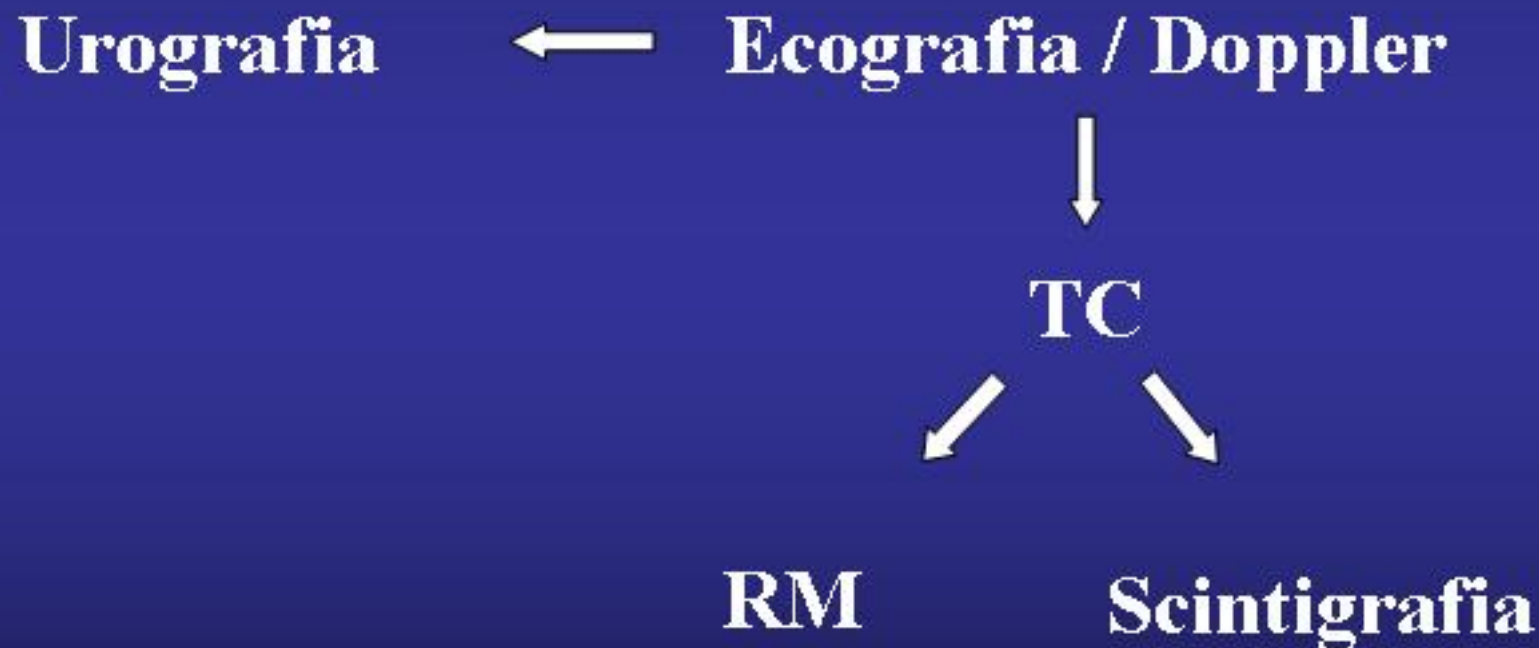
Pelvic Viscera and Perineum of Female
Midsagittal Section



Urinary Bladder of Female
Frontal Section



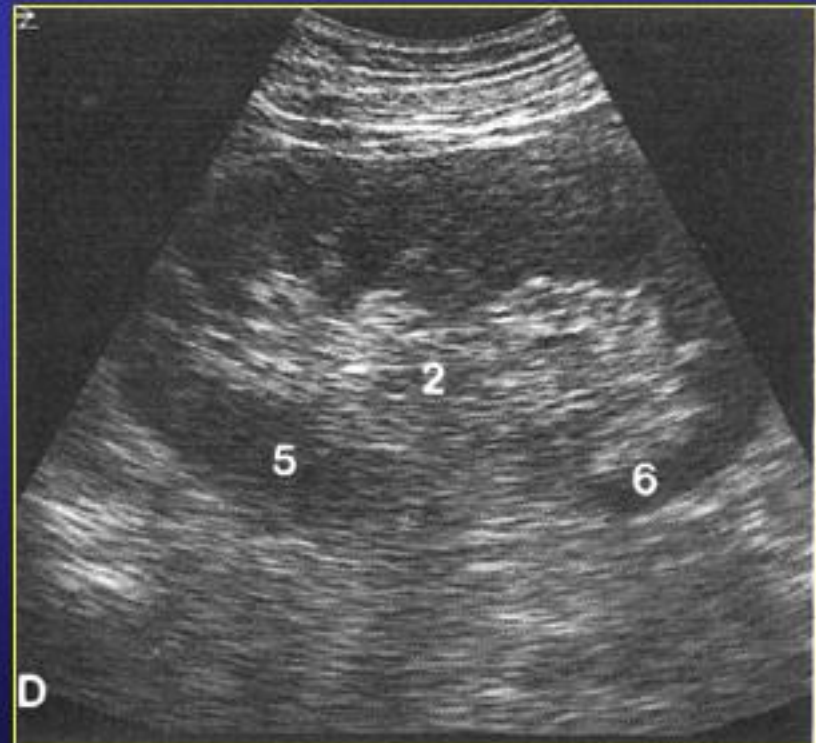
Protocollo diagnostico



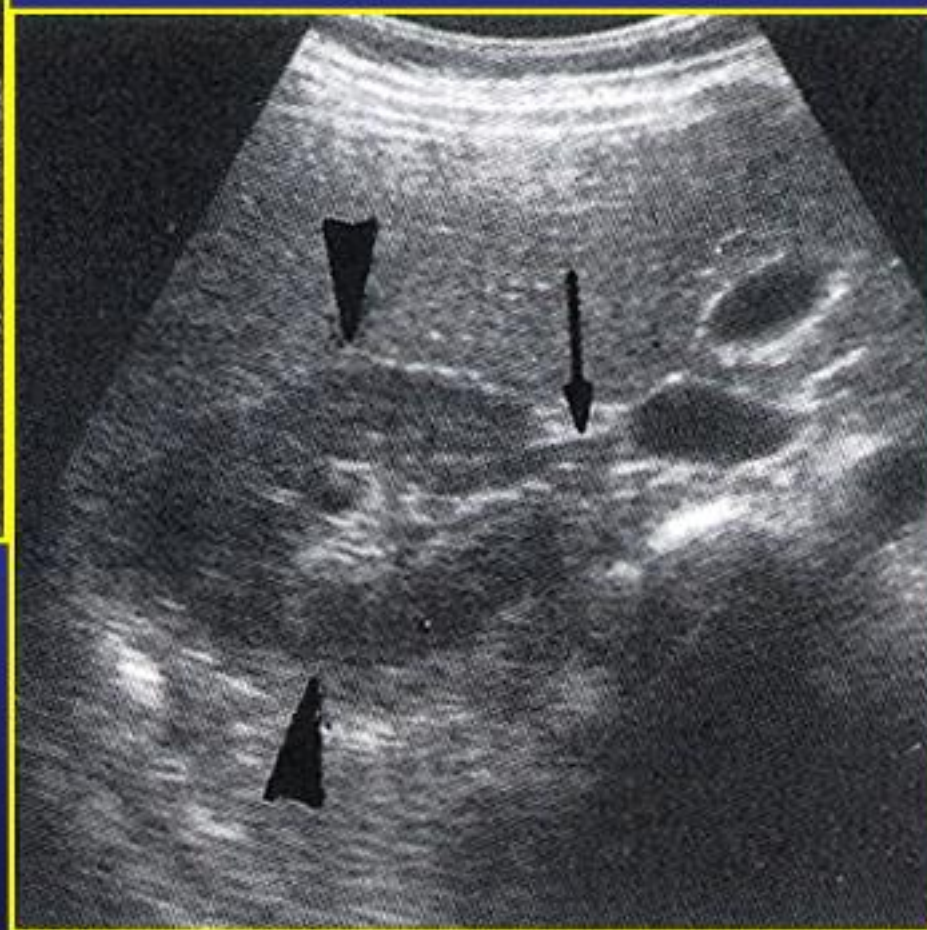
ULTRASUONI

Pz studiato supino o lateralmente in profonda inspirazione; a volte prono con approccio dorsale

Le scansioni attraverso cui si studia il rene sono *longitudinale* e *trasversale*







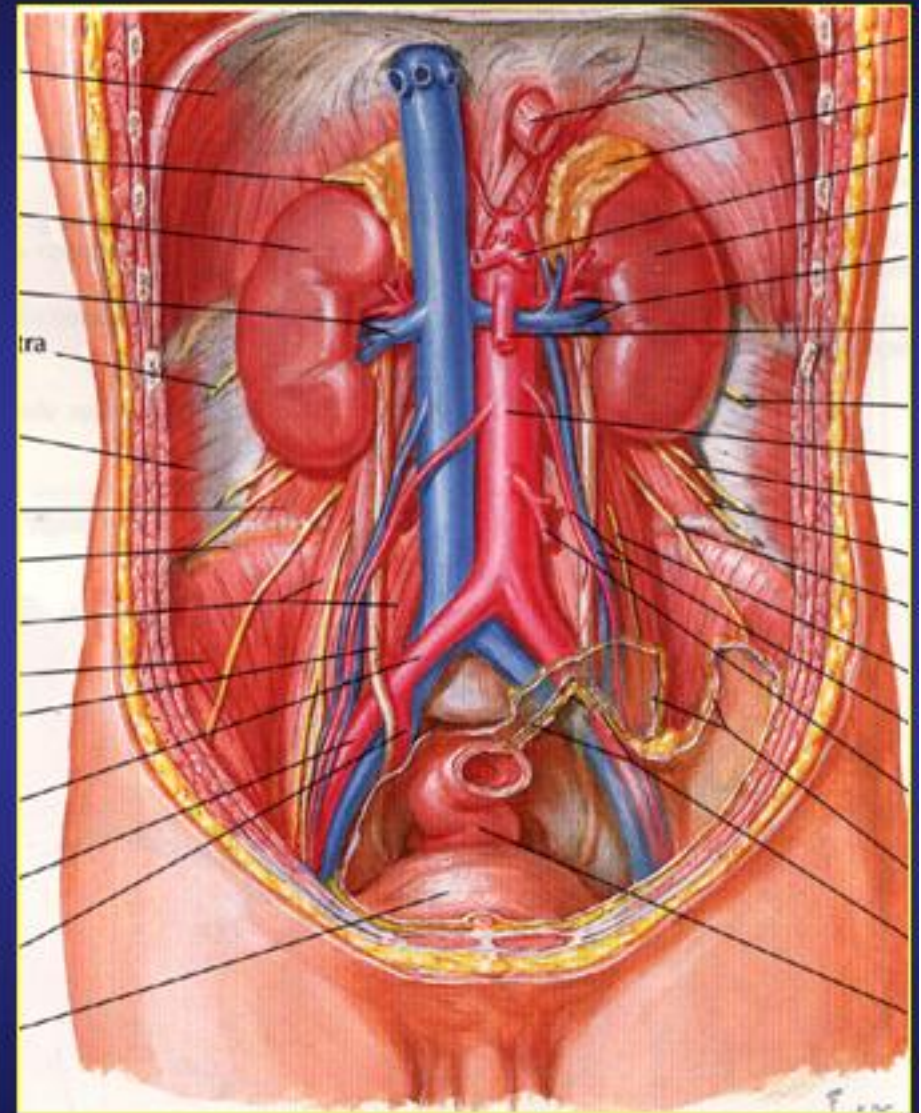
Studio radiologico dell'apparato urinario

Urografia:

- **diretta addome**
- **opacizzazione del parenchima renale (parenchimografia)**
- **opacizzazione calico-pielica (calico-pielografia)**
- **visualizzazione ureterale dopo 30 minuti**
- **riempimento vescicale (cistografia discendente)**
- **fase uretrografica o minzionale**
- **studio post-minzionale**

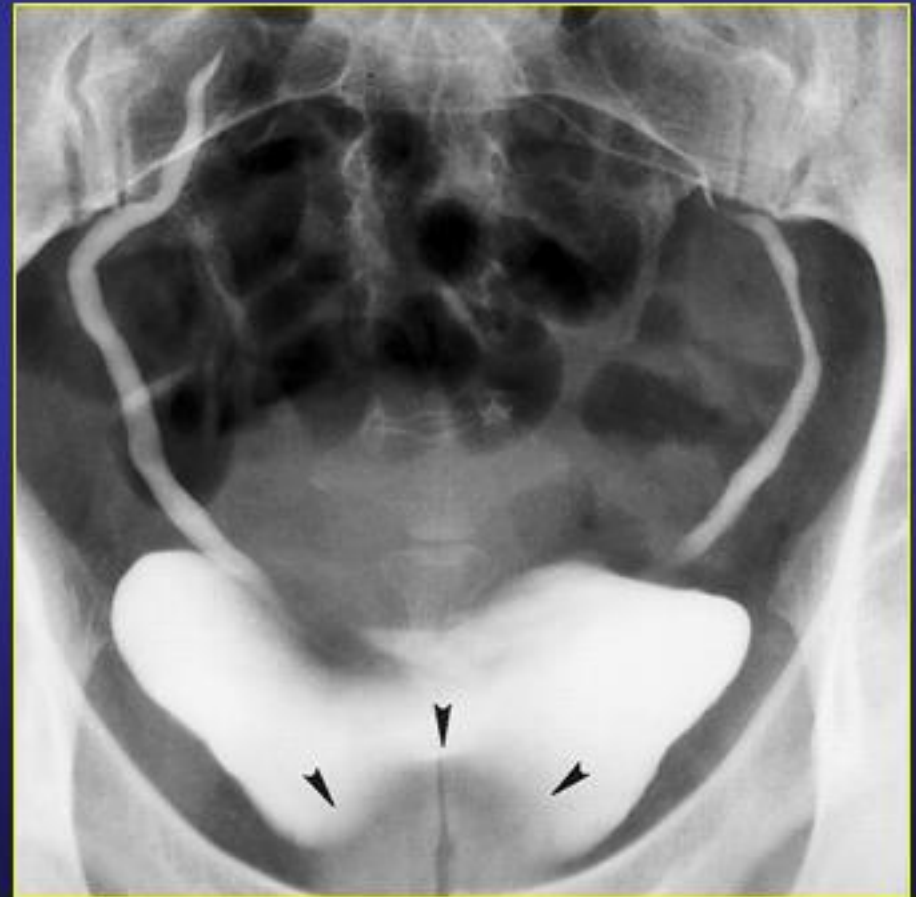
Studio radiologico dell'apparato urinario

- **Pielografia ascendente**
- **Cistografia ascendente**
- **Uretrografia ascendente**
(combinata con la discendente)











Protocollo TC

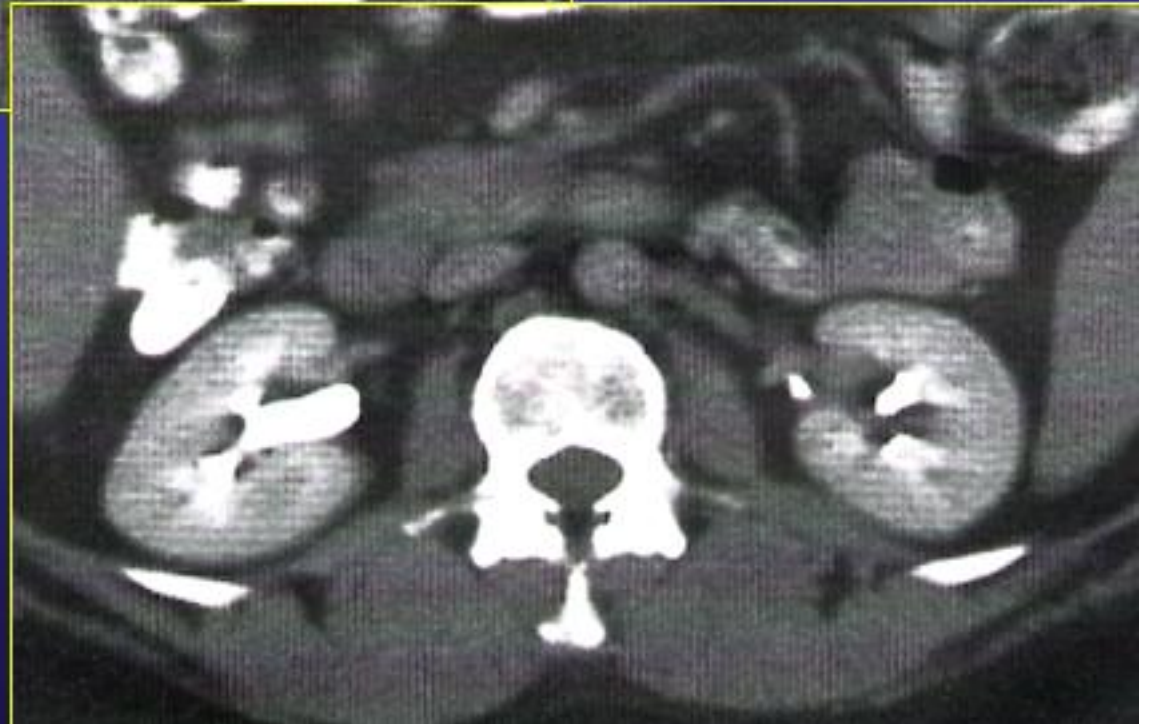
dopo mdc

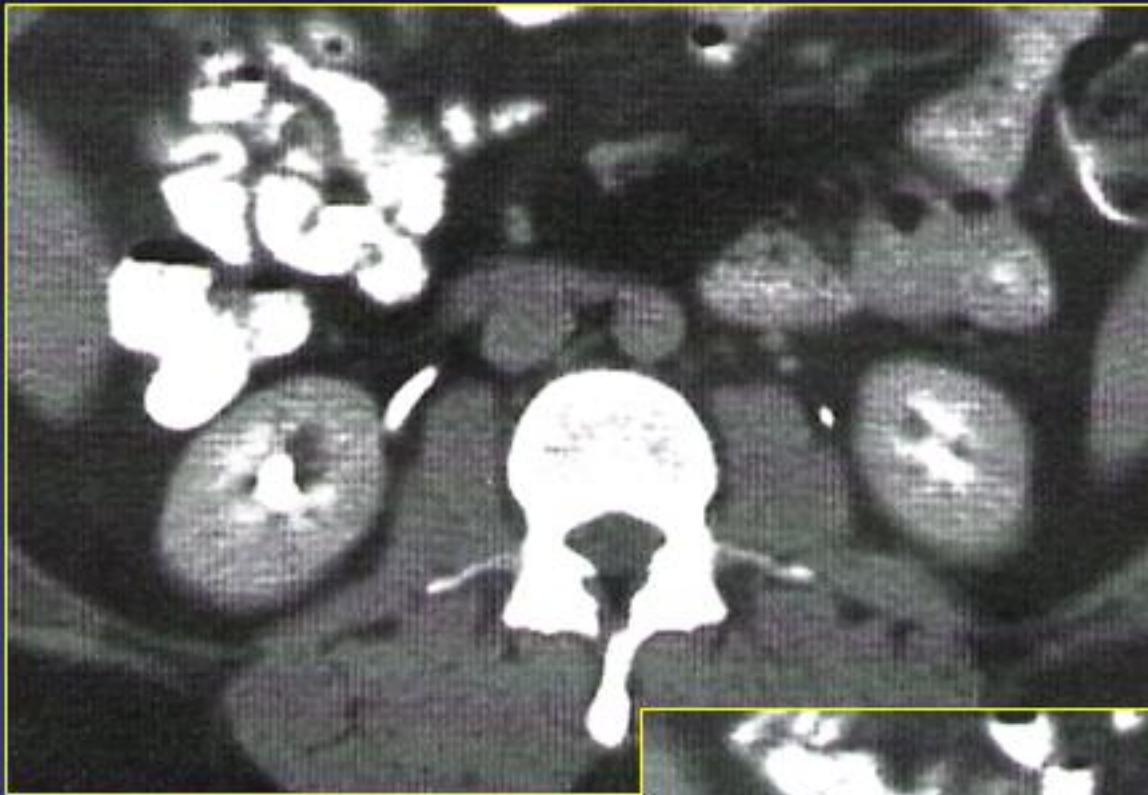
Somministrazione di 120-130 cc mdc (3 cc/sec)

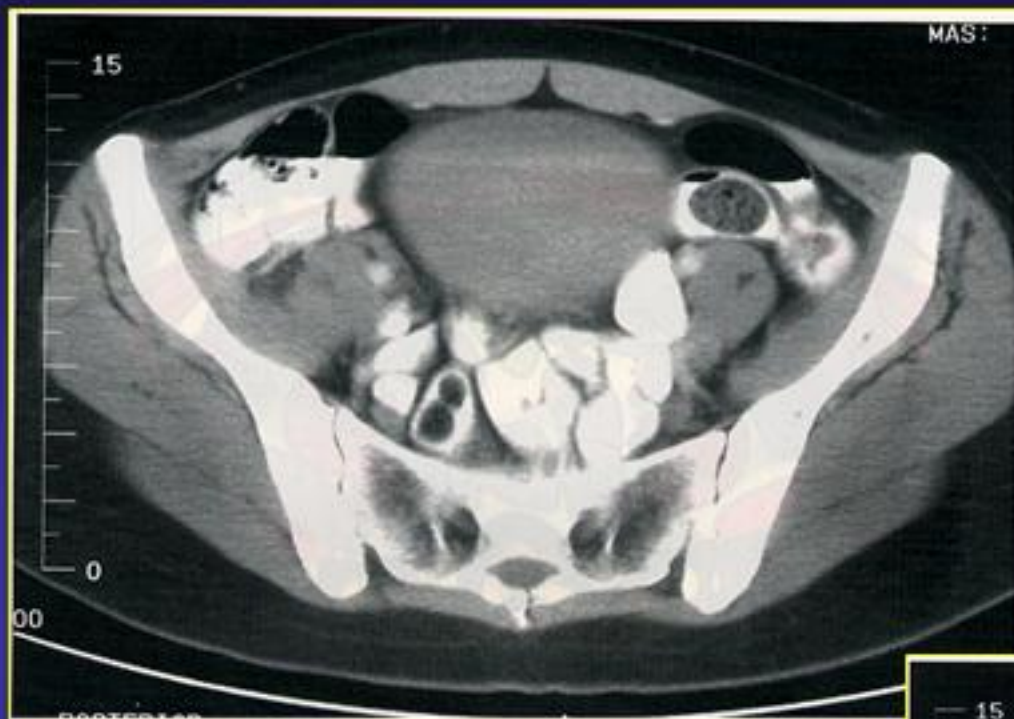
Fase arteriosa:	20-25 sec
Fase parenchimografica	60-80 sec
Fase urografica	180 sec
Fase tardiva (vescica)	5-6 min

ev. solo scout urografico











T1

T2

