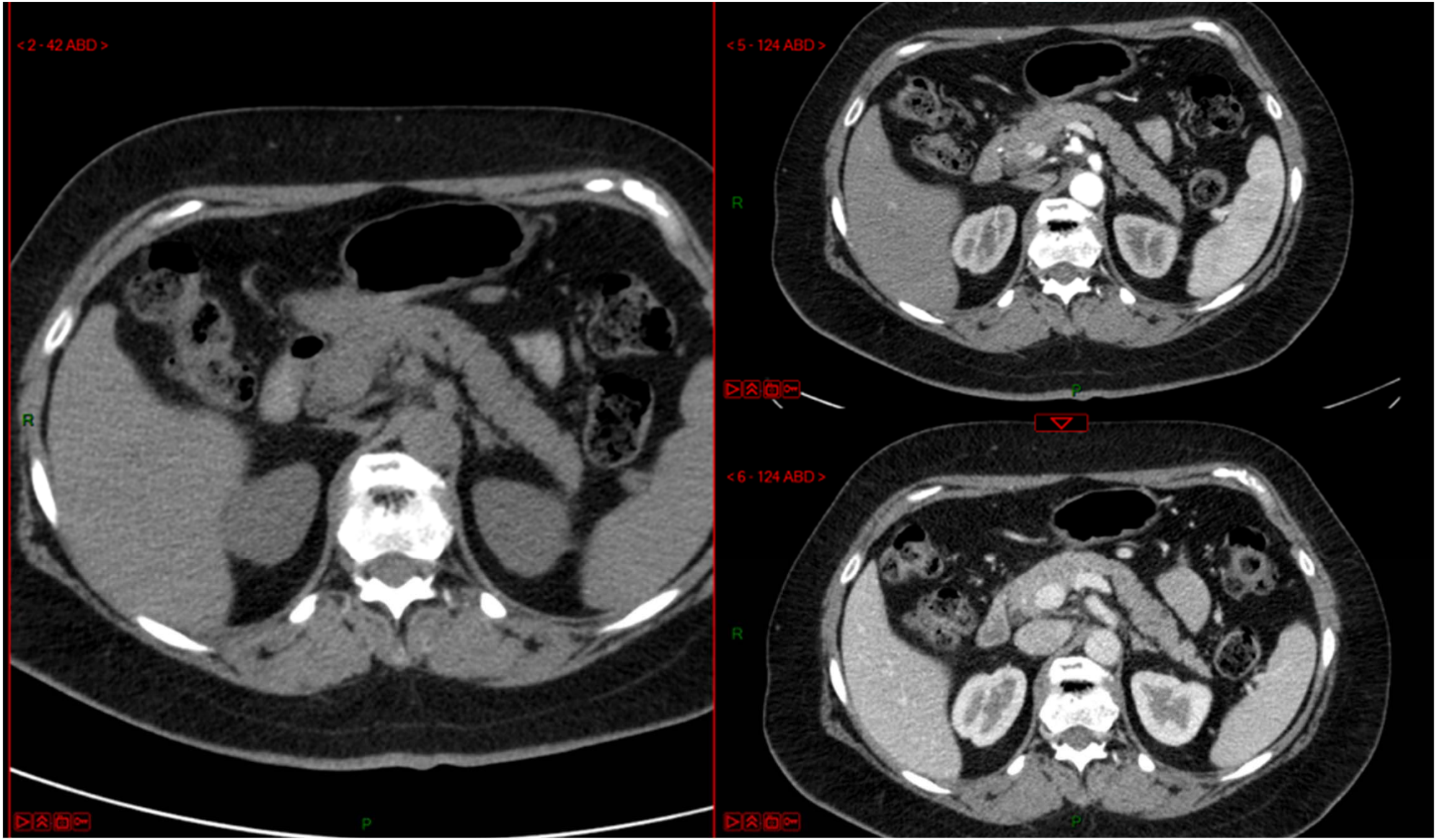
Anatomie radiologique WMDS1311

Etienne Danse

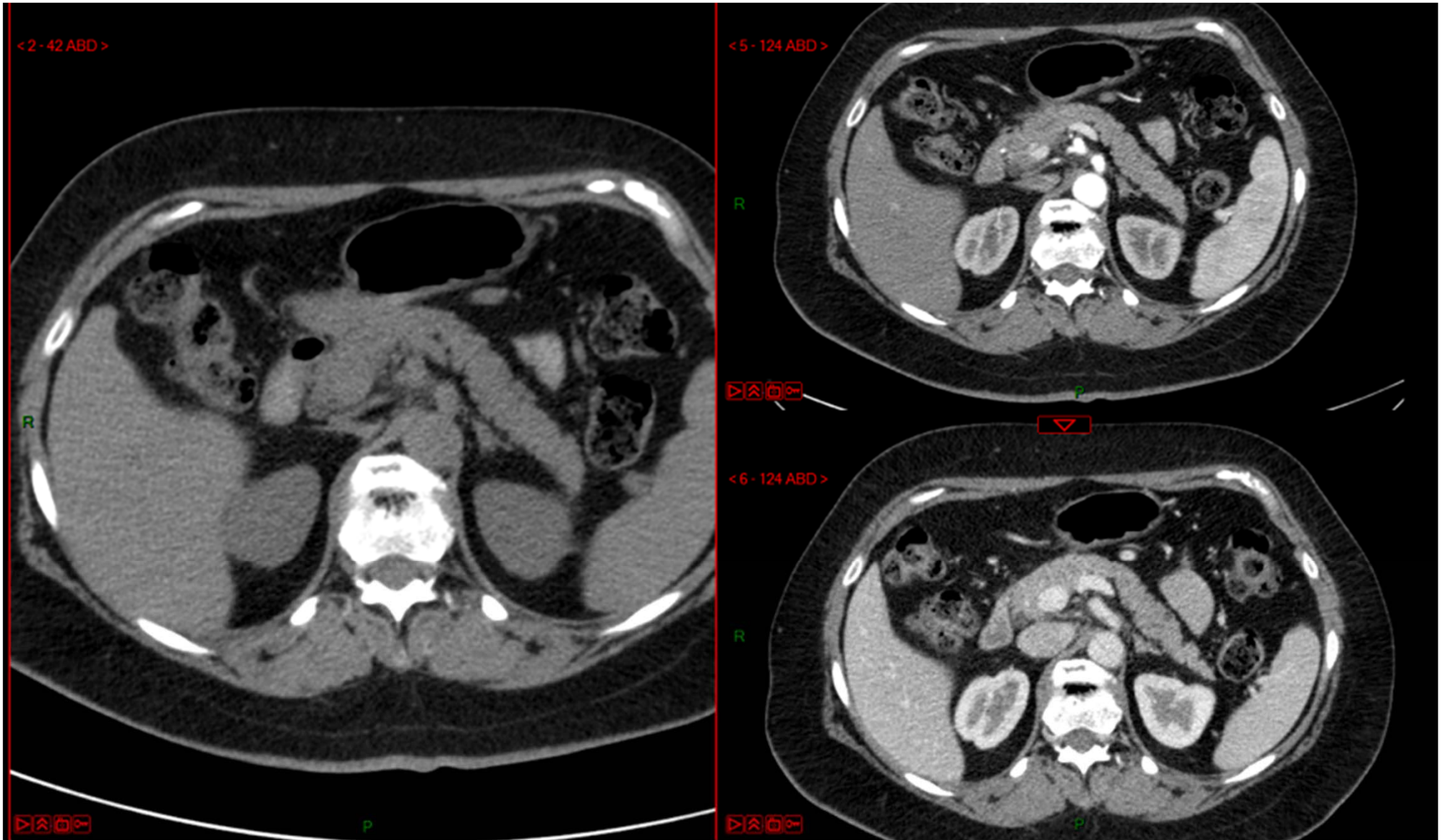
Imagerie et ajout de contrastes externes

- Injections :
  - Intravasculaire (veines-artères)
  - Articulaires
- Opacifications
  - Digestives
  - Génito-urinaires

En rx et au CT l'injection d'iode change la densité des tissus

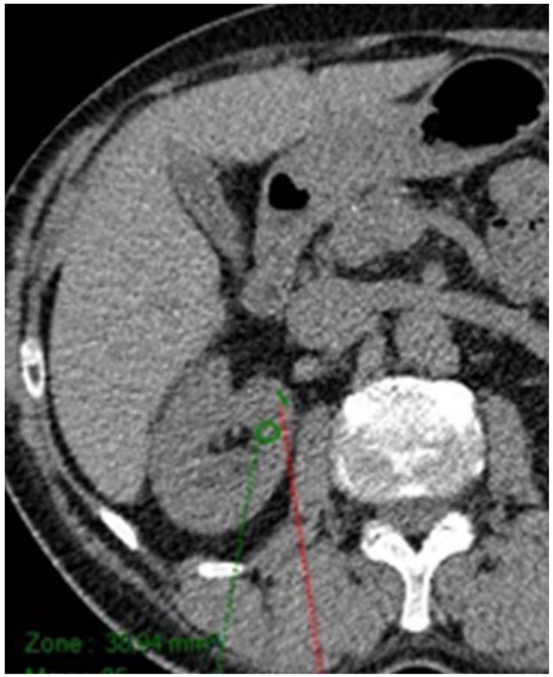


	RX	CT	US	IRM
IV	X	X	X	X
Articulaire	X	X (rx d’abord)		X (rx d’abord)

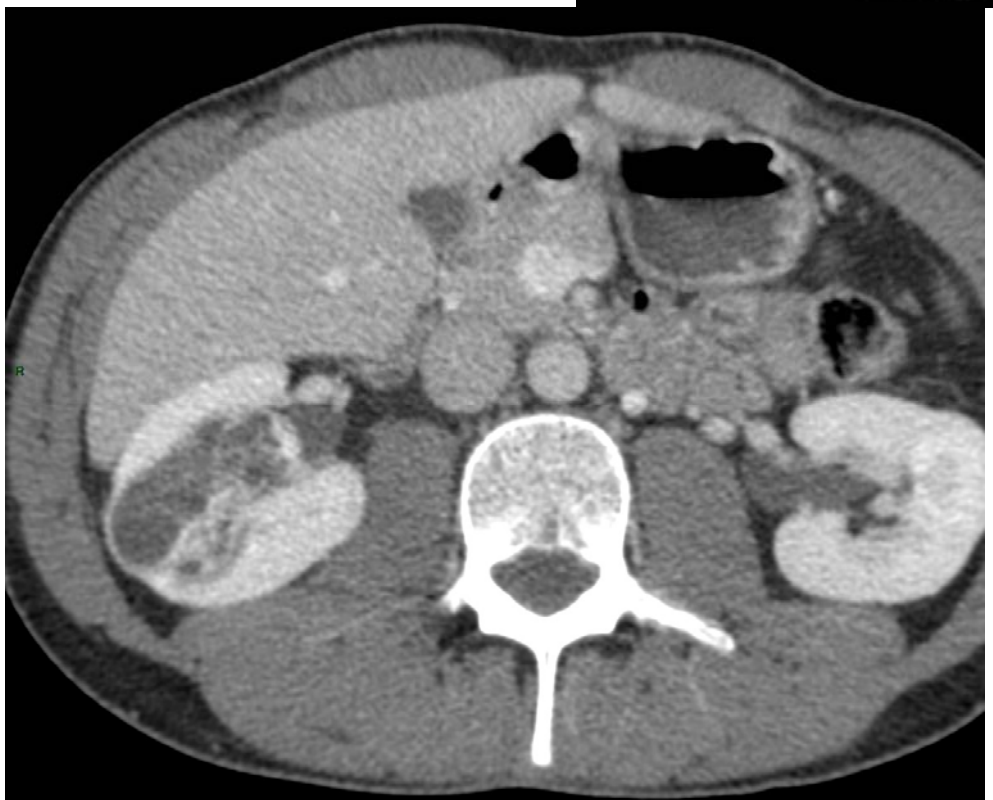


INJECTION : pourquoi ?

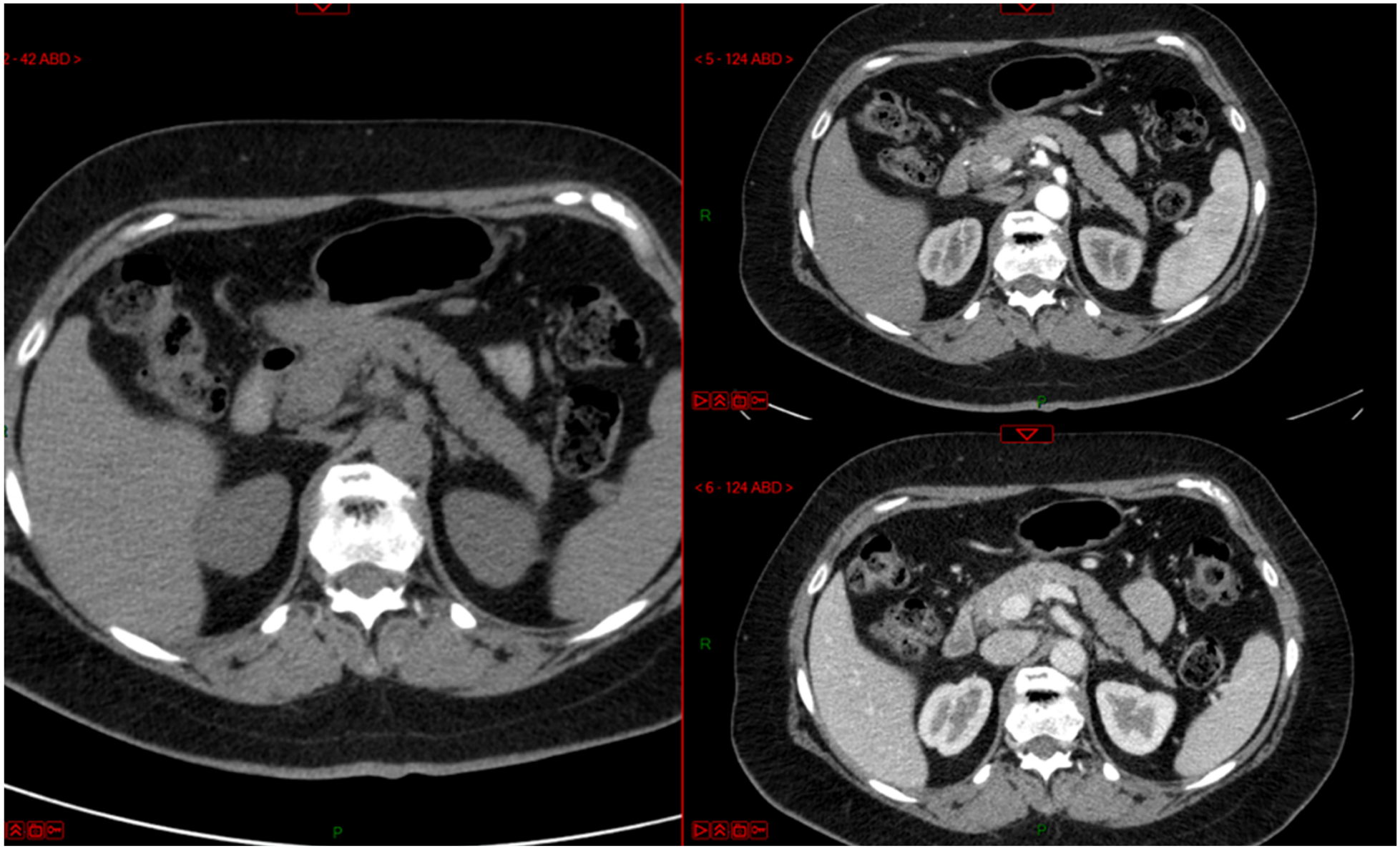
- Voir les vx
- Voir les organes
- Suivre les traitements
- Guider un acte



Injection IV



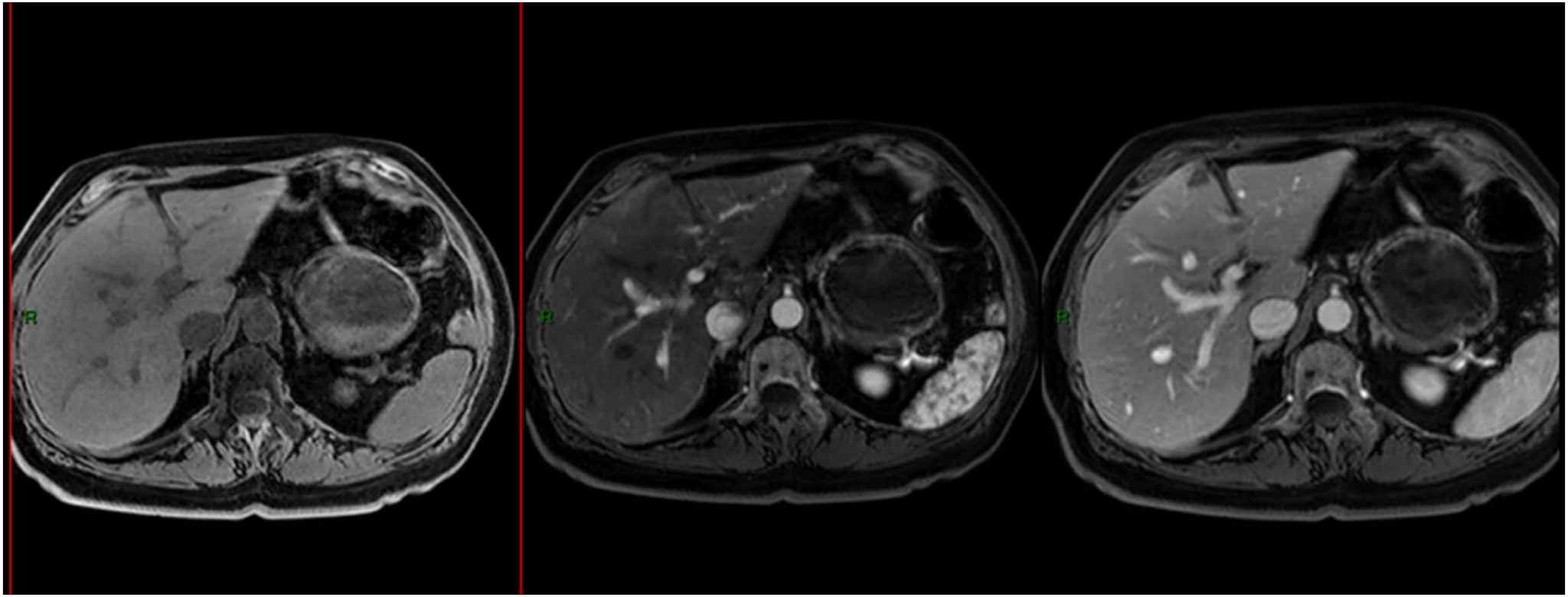
PHILIPS


2 - 42 ABD >
< 5 - 124 ABD >
R
P
< 6 - 124 ABD >
R
P

IRM
Chelates de Gadolinium
=> modification du signal des tissus

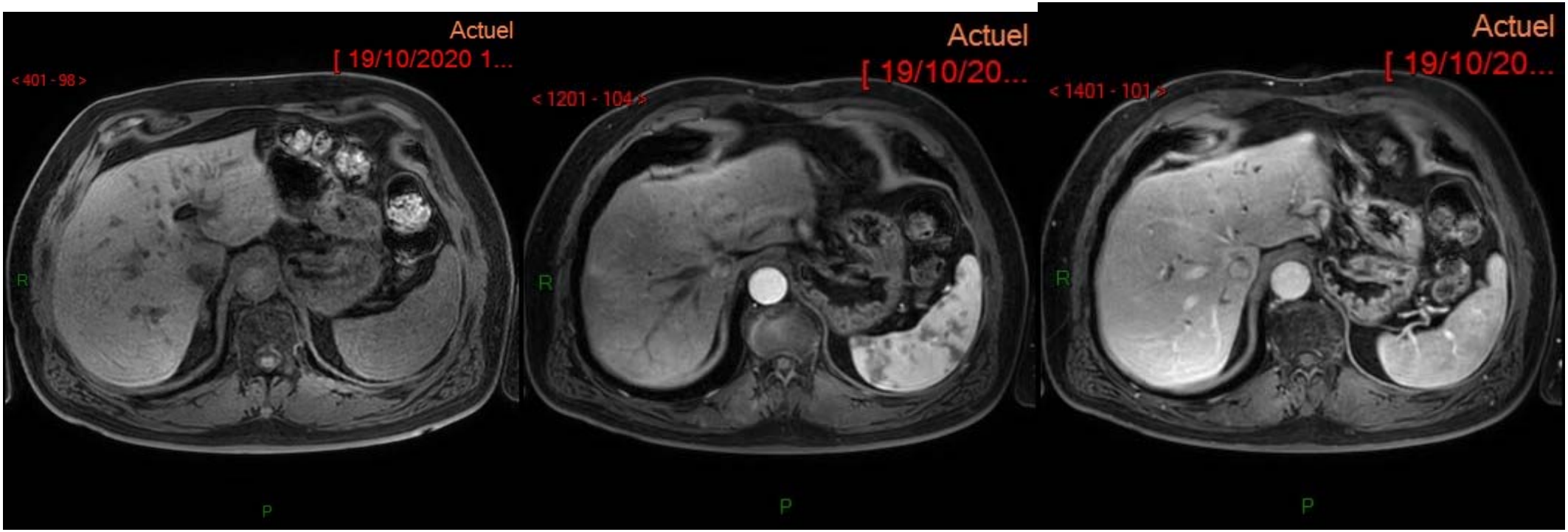
Chelates de Gadolinium

IRM et Injection

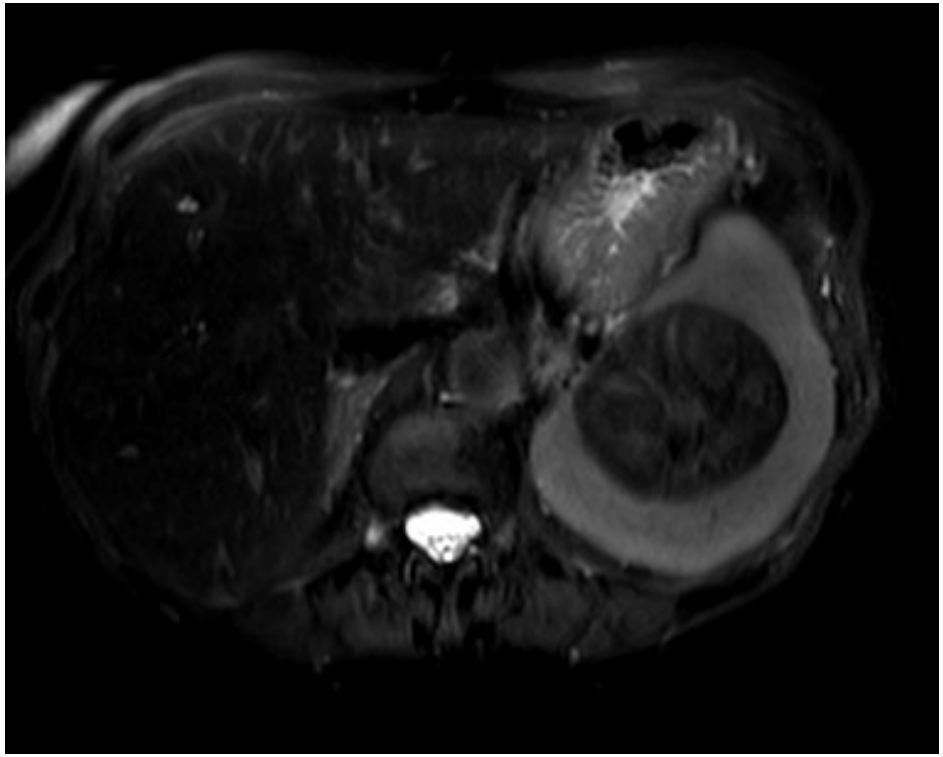
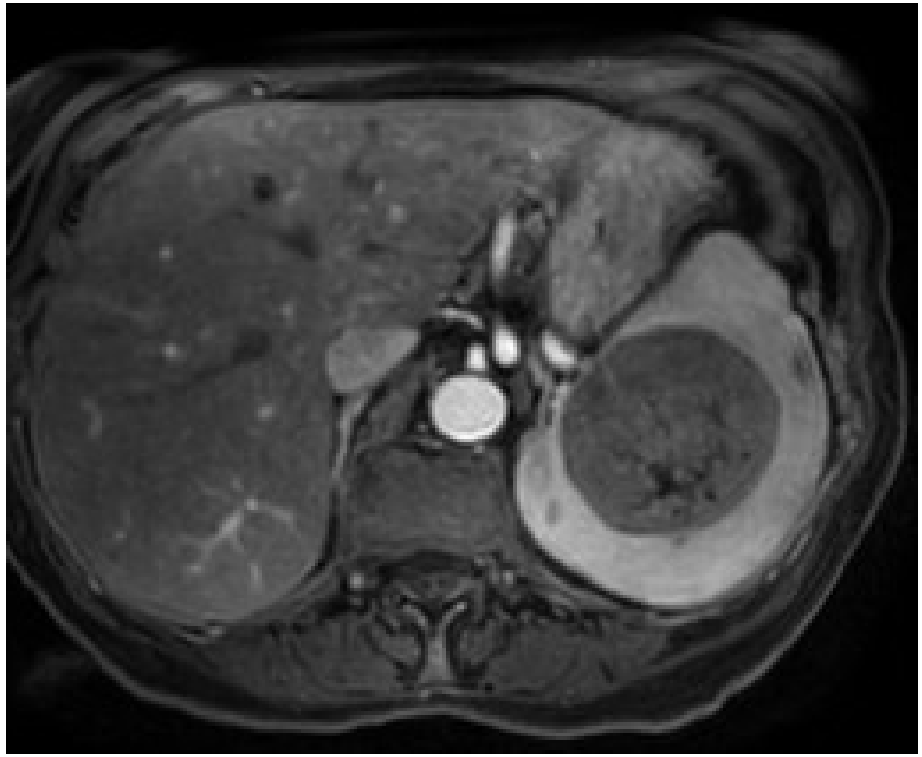
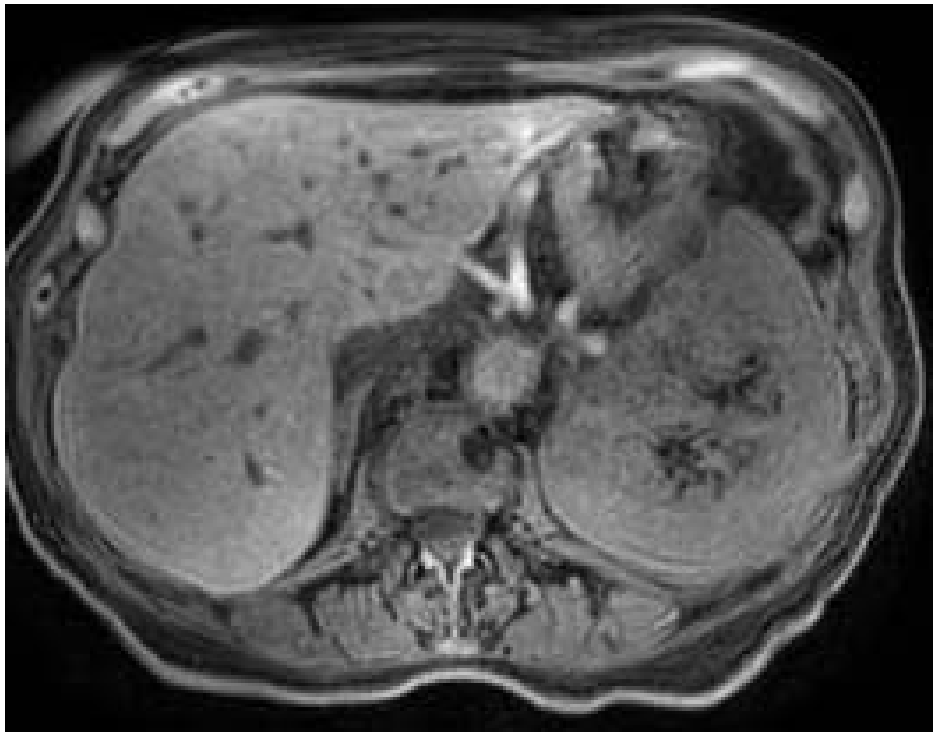
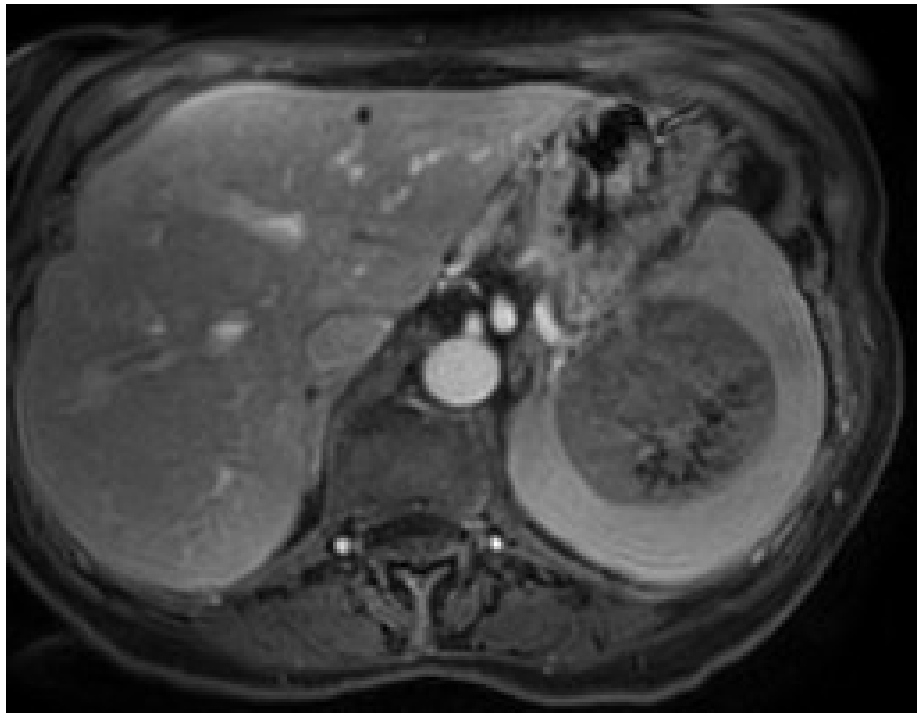


IRM et Injection

IRM sans puis avec injection IV gado



T1 sans C* => T1 phase artérielle => T1 phase portale

Injection articulaire : RX & CT

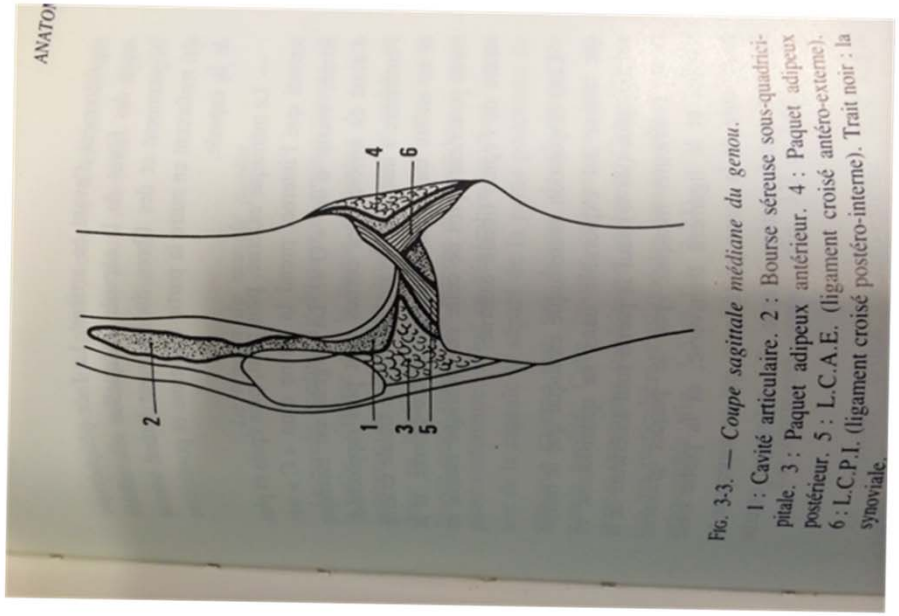
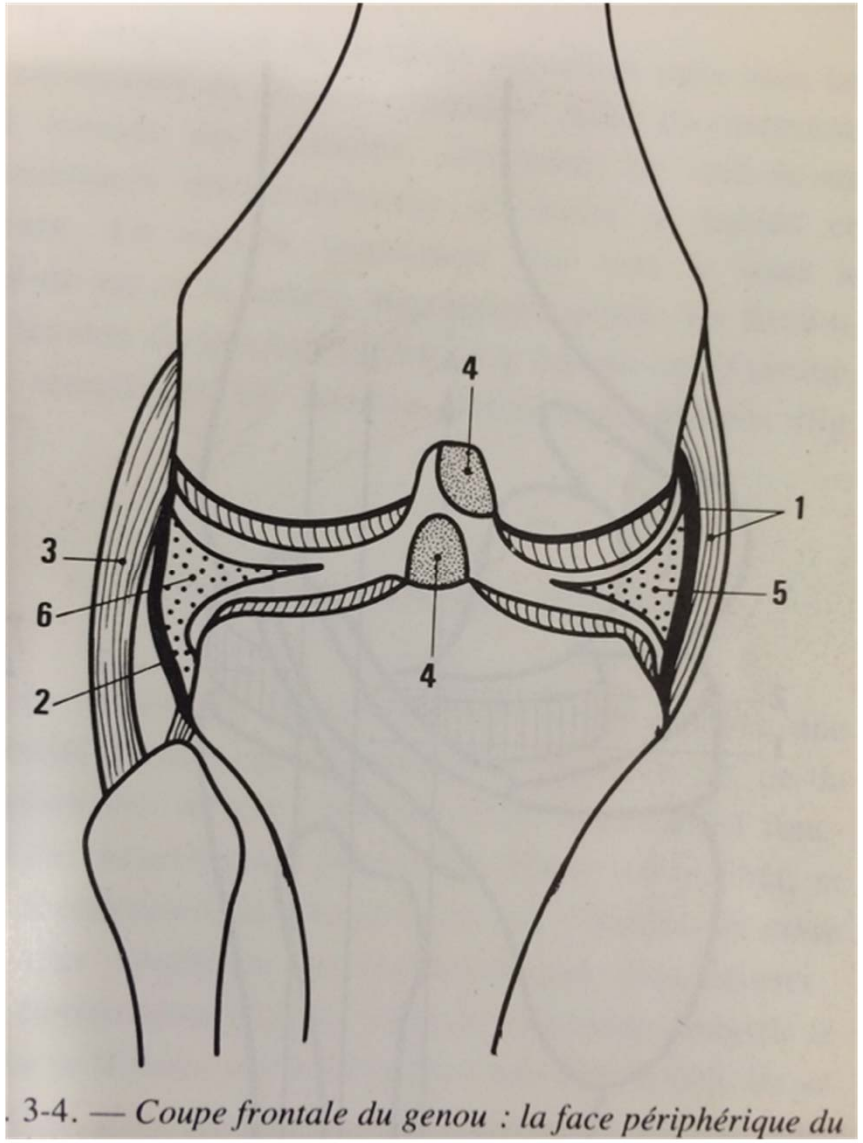


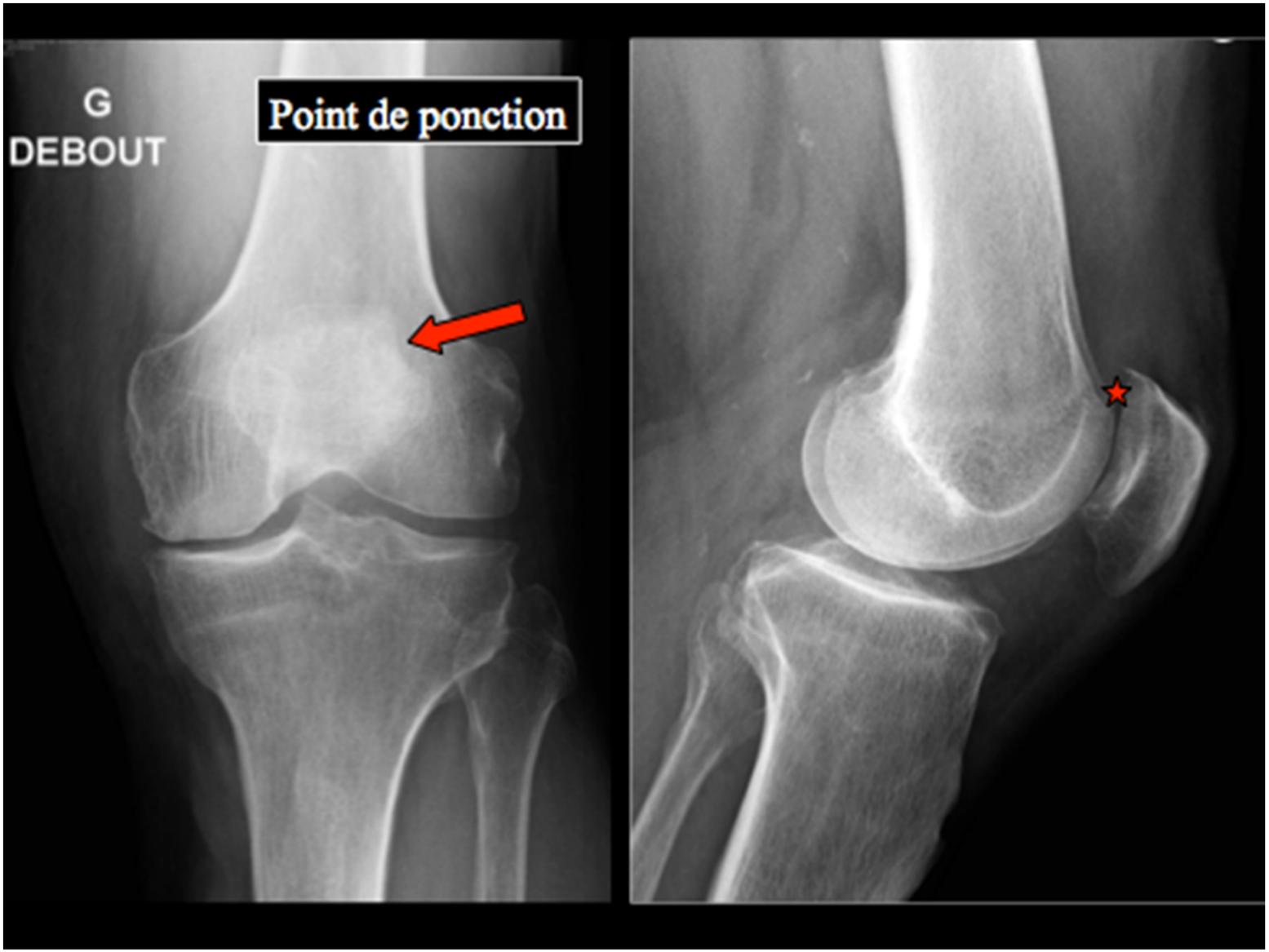
FIG. 3-3. — *Coupe sagittale médiane du genou.*
1 : Cavité articulaire. 2 : Bourse séreuse sous-quadricipitale. 3 : Paquet adipeux antérieur. 4 : Paquet adipeux postérieur. 5 : L.C.A.E. (ligament croisé antéro-externe). 6 : L.C.P.I. (ligament croisé postéro-interne). Trait noir : la synoviale.

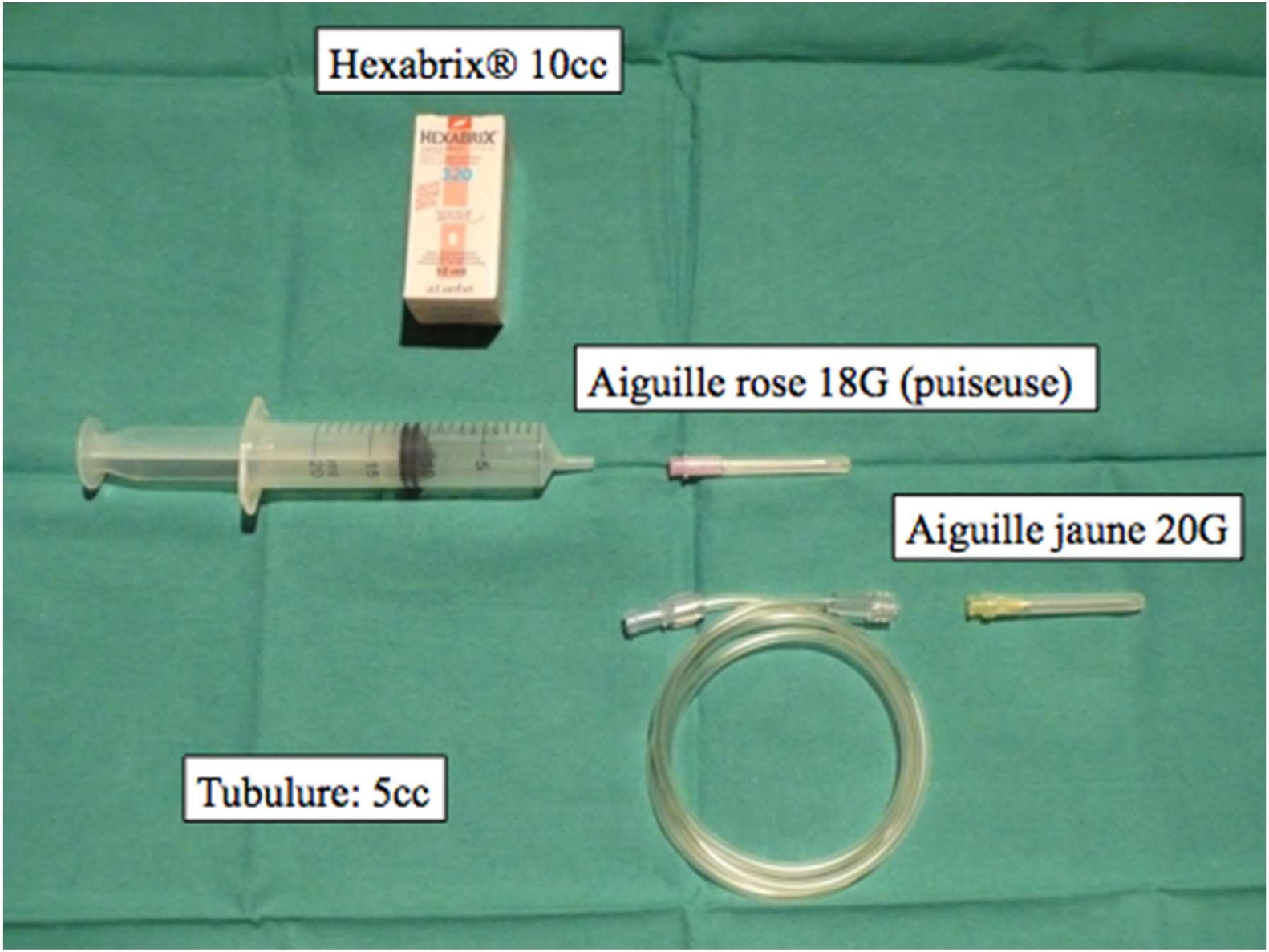


3-4. — *Coupe frontale du genou : la face périphérique du*

Arthrographies opaques , A Chevrot et coll, Masson 1990

RX = Structures osseuses


G
DEBOUT
Point de ponction


Hexabrix® 10cc
HEXABRIX
320
Aiguille rose 18G (puiseuse)
Aiguille jaune 20G
Tubulure: 5cc

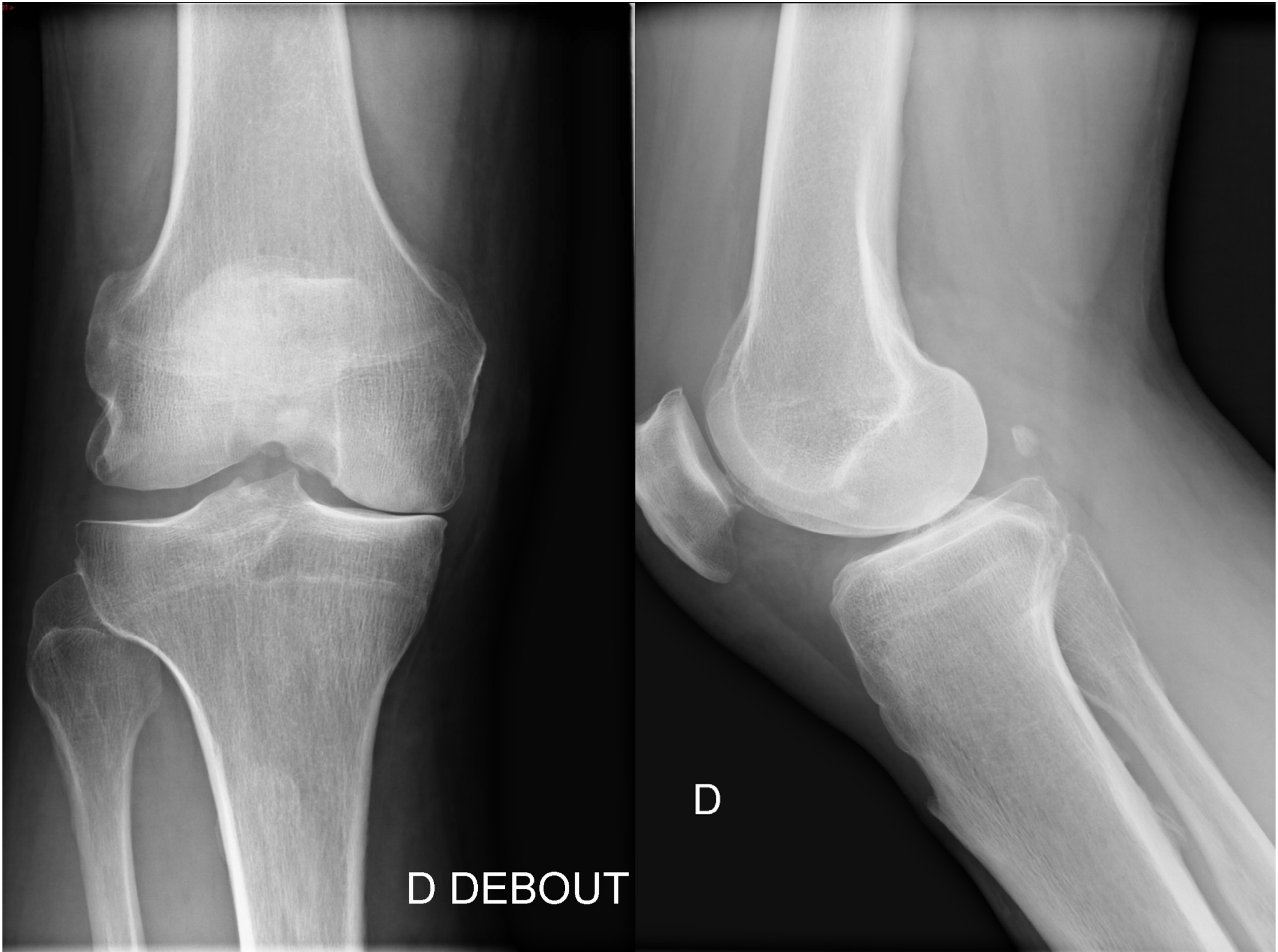
Première désinfection cutanée: Isobétadine®
Petit coussin sous le genou pour bonne décontraction musculaire
et/ou sac de sable contre face externe cheville pour stabilisation

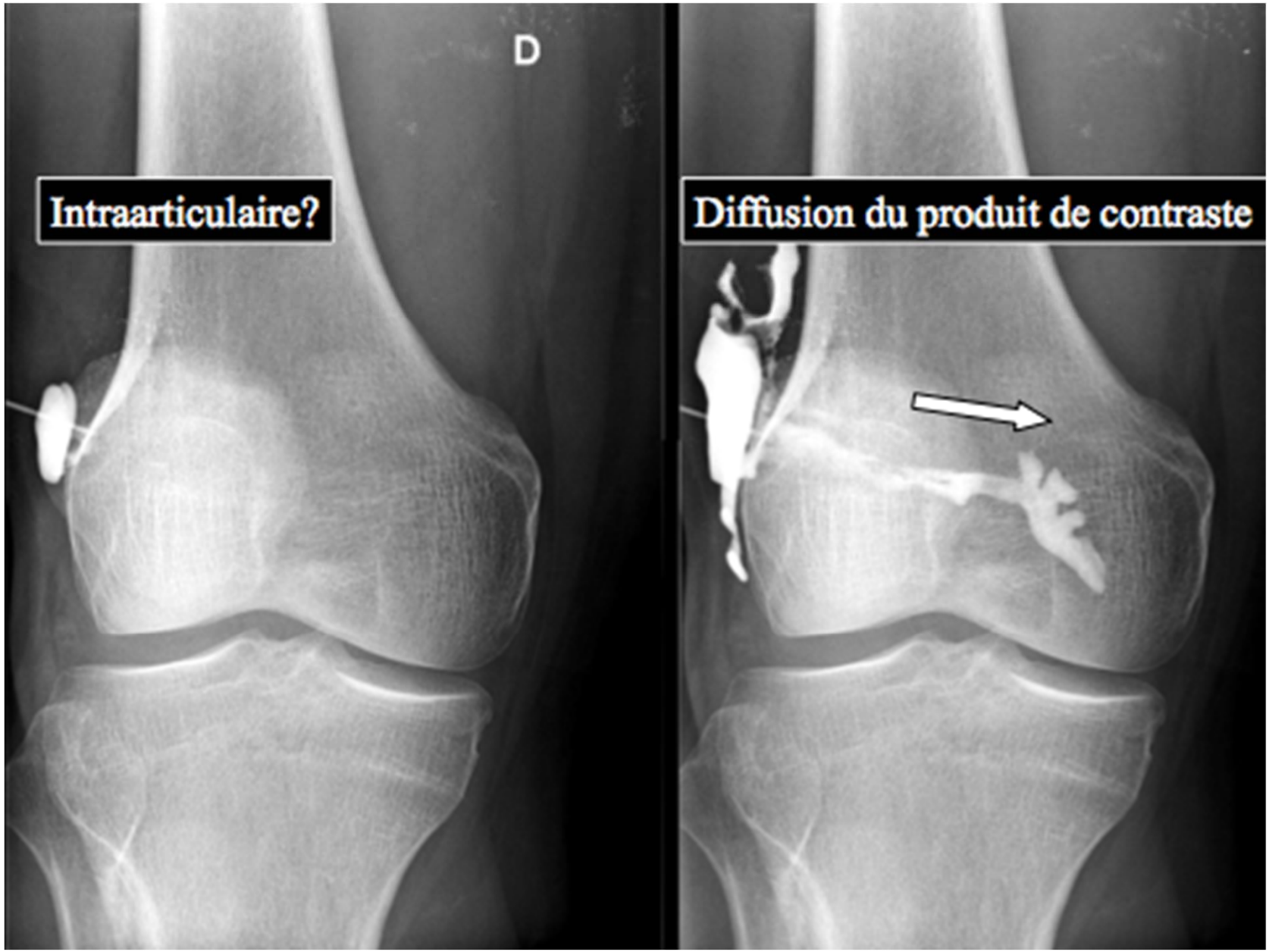
Hexabrix® 10 cc

Purger la tubulure

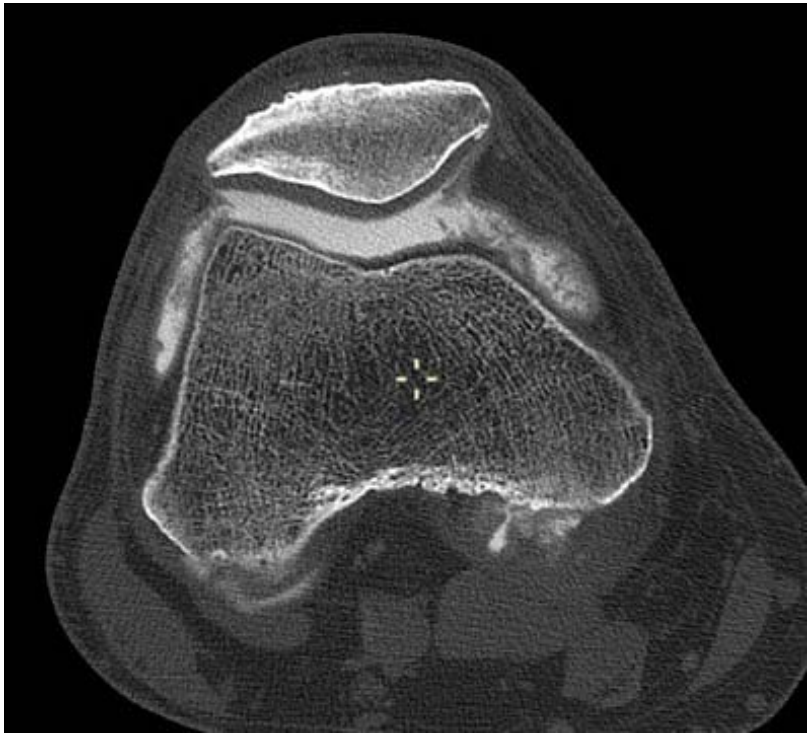
Subluxation externe de la rotule
Biseau vers le haut

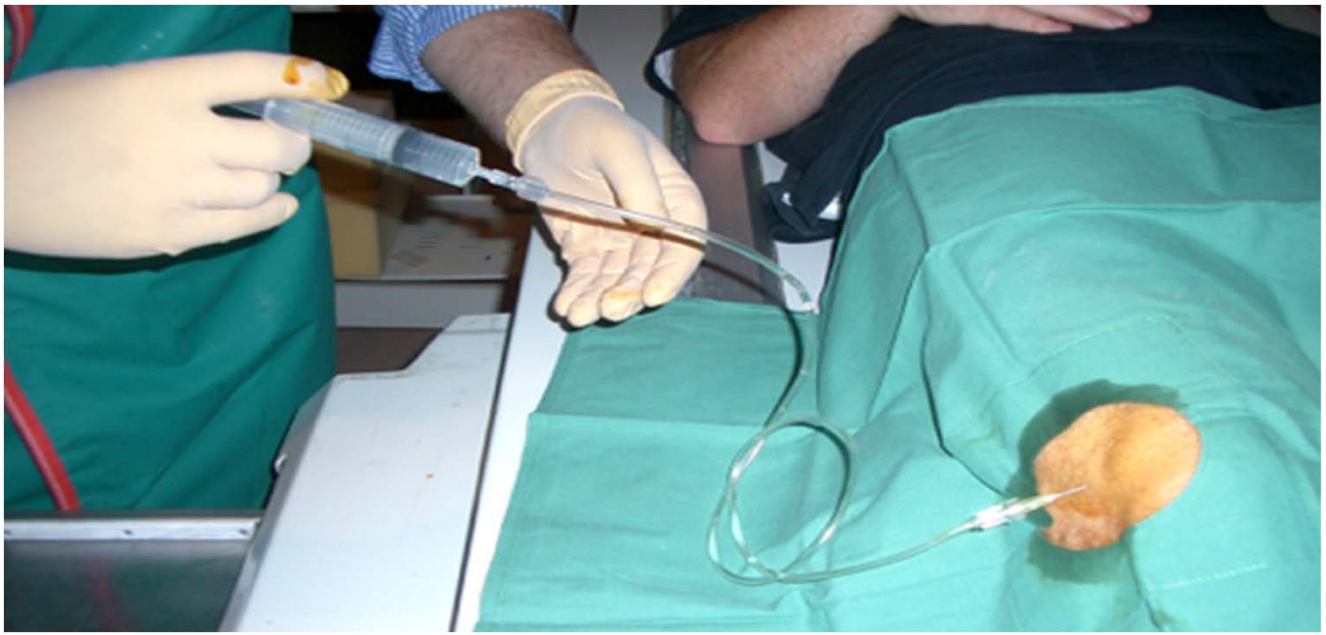
Injection de pdc sous contrôle scopique intermittent

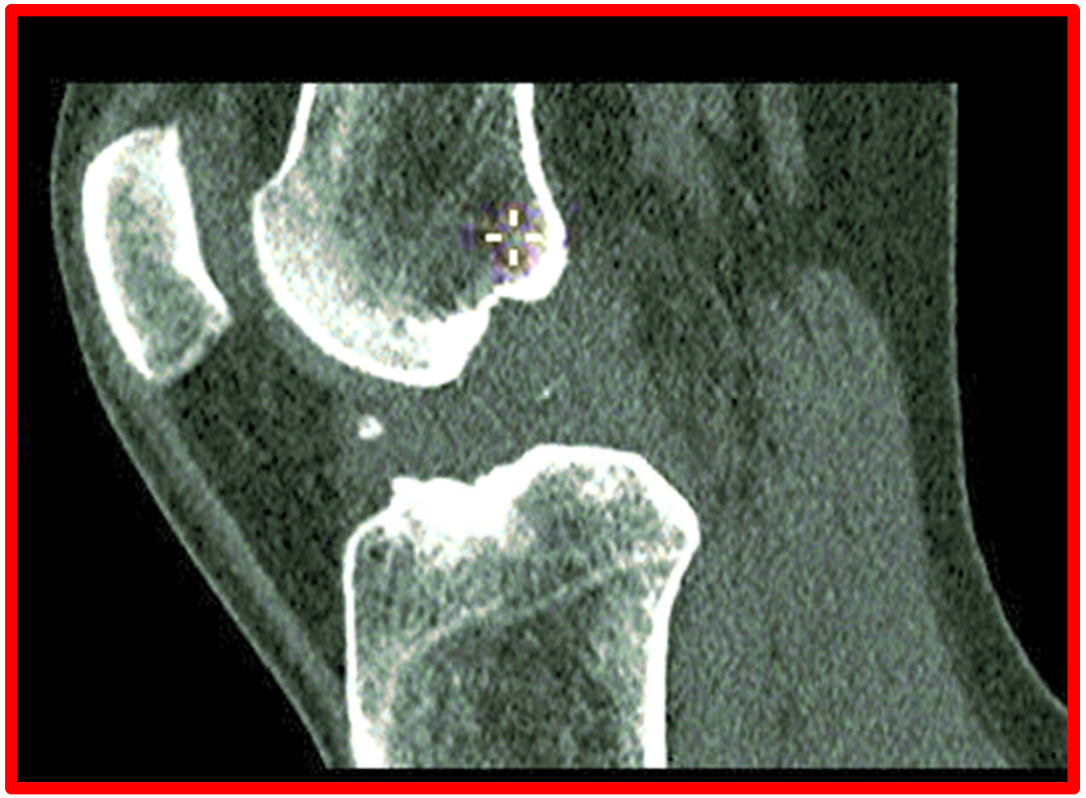

D DEBOUT
D


D
Intraarticulaire?
Diffusion du produit de contraste

D







Opacification

Orifice naturel : haut-bas
Orifice artificiel : stomie

Opacifier

Voir le contenu

Analyse dynamique :
déglutition, reflux GE, défécation, miction

Opacifications digestives et radiologie:

=> par voie orale

=> par voie rectale

=> par voie autre (stomie)

Produits barytés
=> sulfate de baryum

Produits hydrosolubles :
- télébrix gastro
- Gastrografine
- Hexabrix

Techniques d’imagerie avec risque :
Radiologie conventionnelle
=> produits de contraste

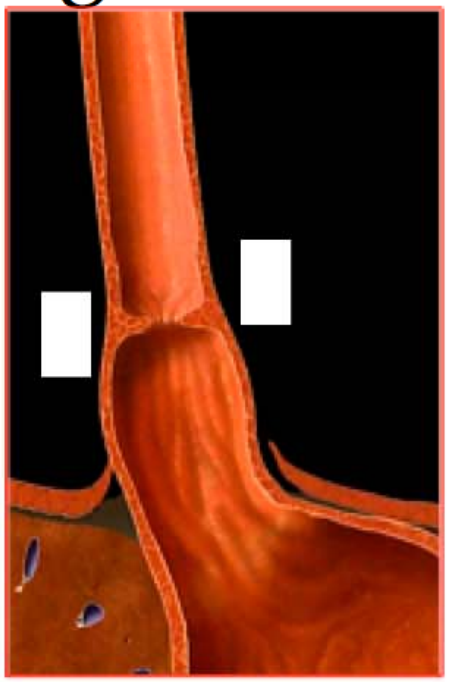
- **à ingérer**
- à insérer par un orifice naturel ou artificiel
- - à injecter

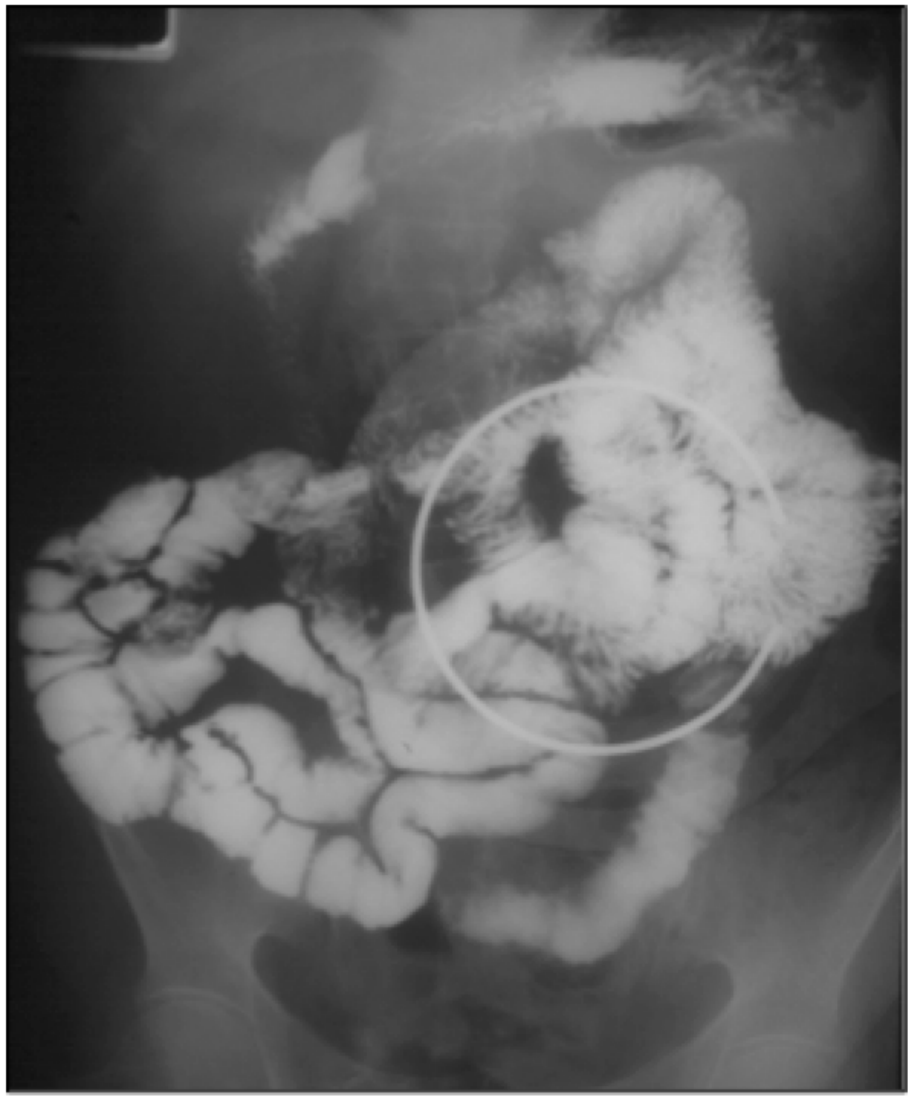
Baryte (sulfate de baryum)

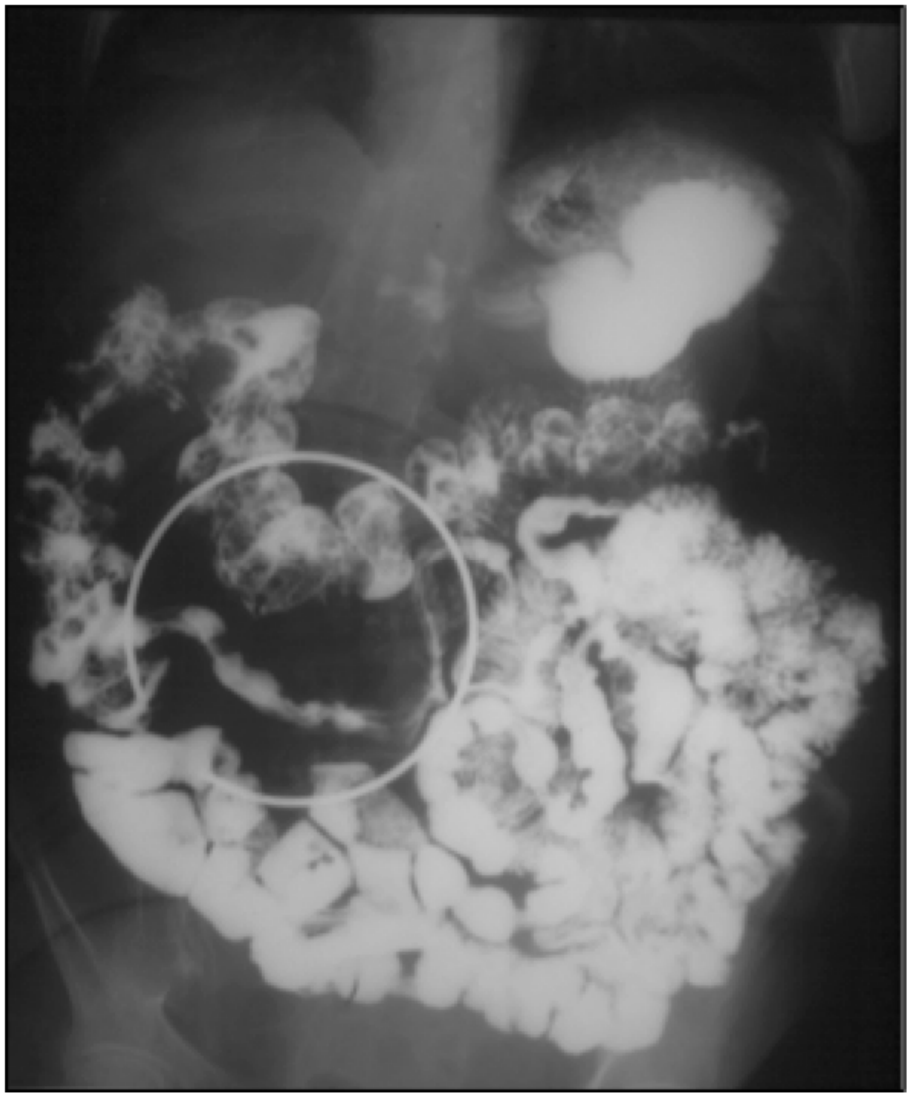
http://french.alibaba.com/product-free-img/barium-sulfate-363899293.html

Techniques radiologiques

- Radiographie & opacification digestive



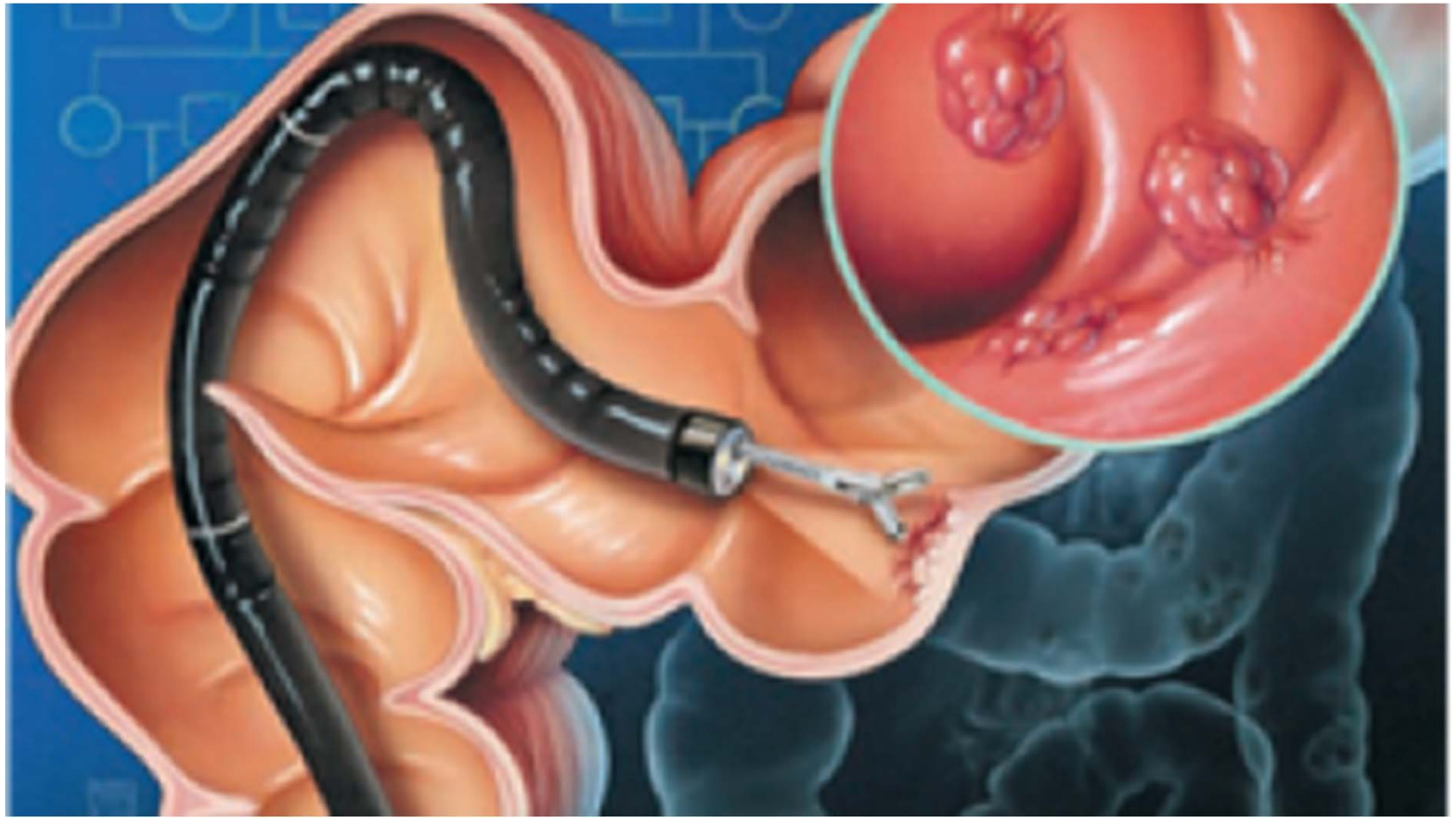




Examen du colon en simple contraste

en double contraste

< 30220 (TOUT) >
R



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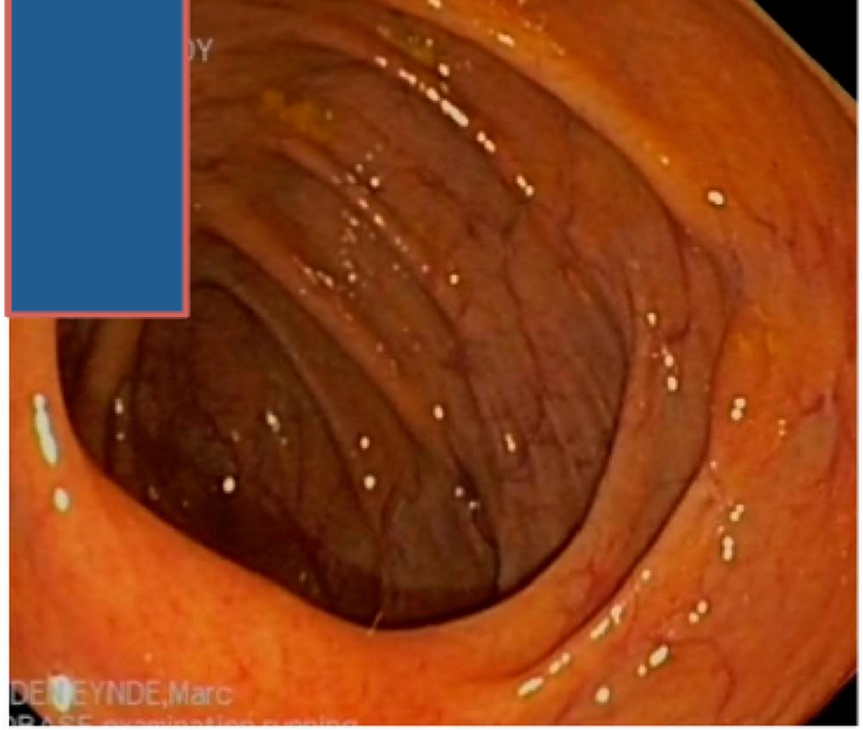
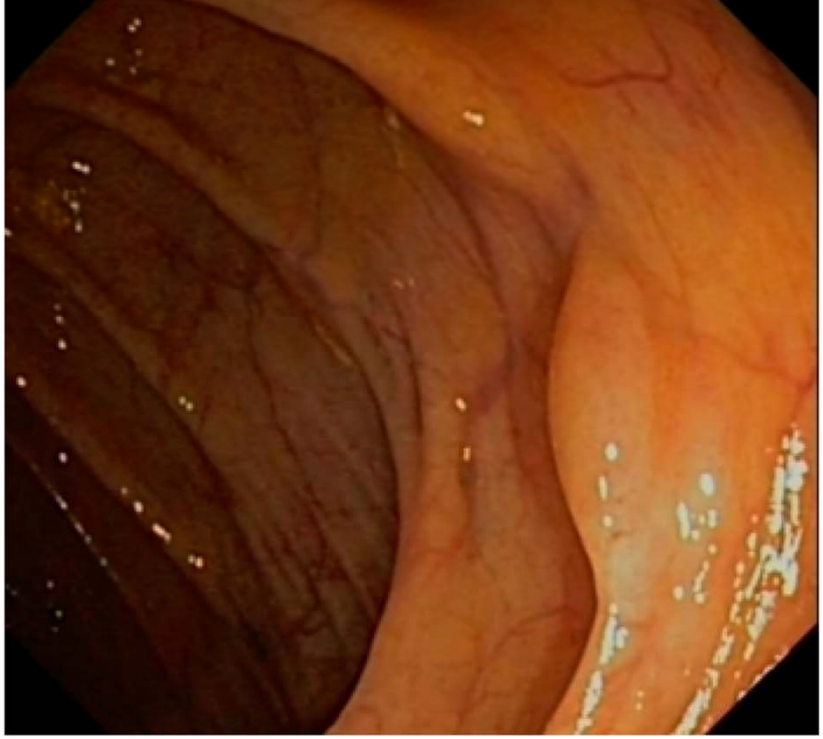
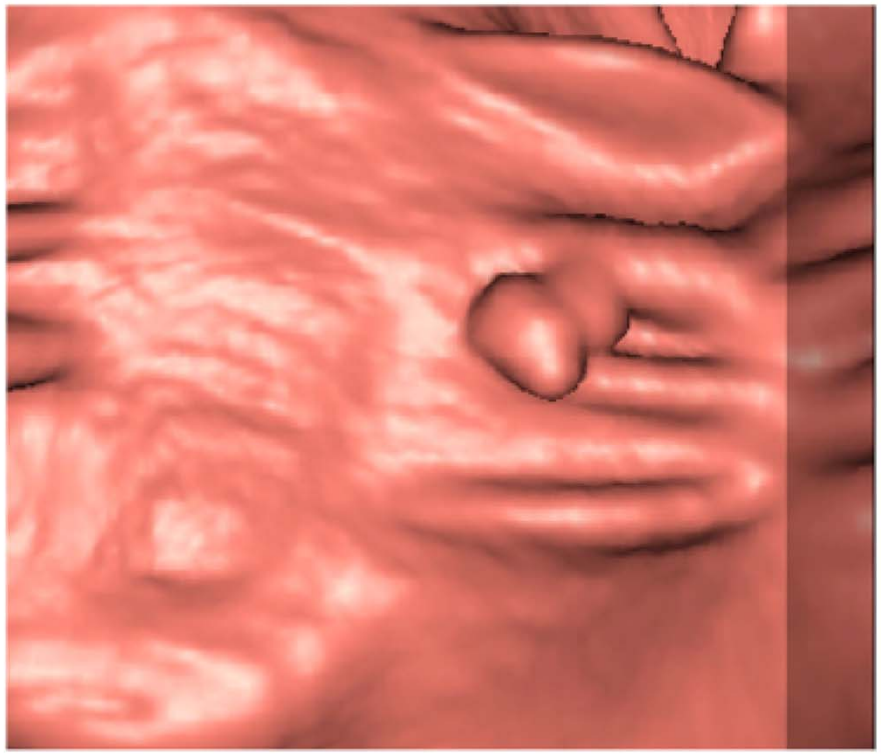
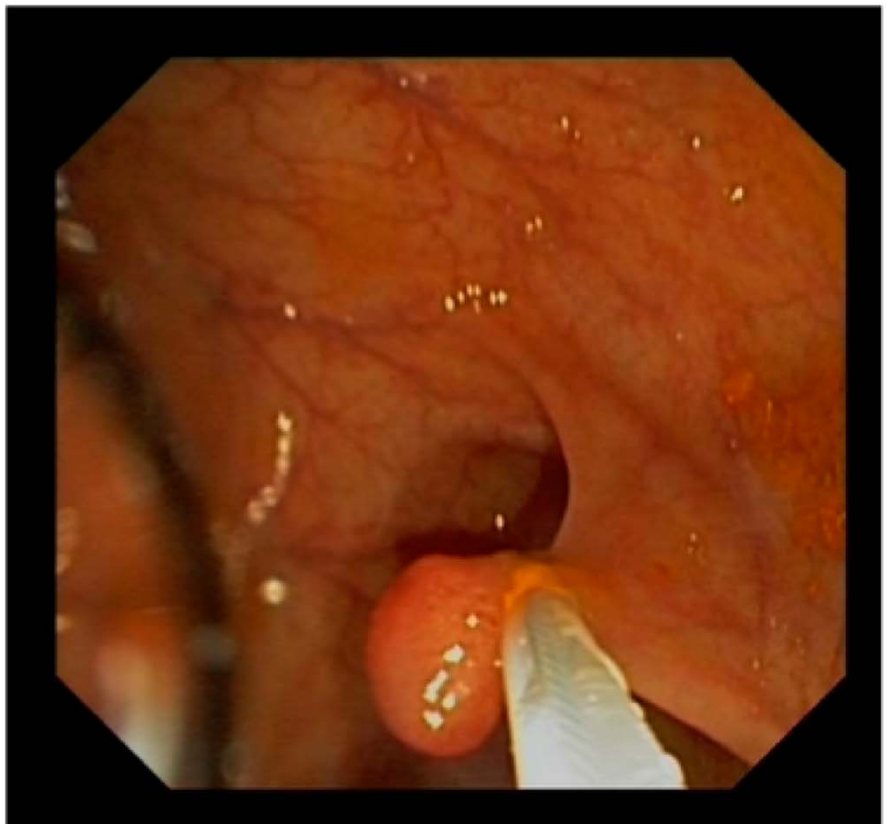
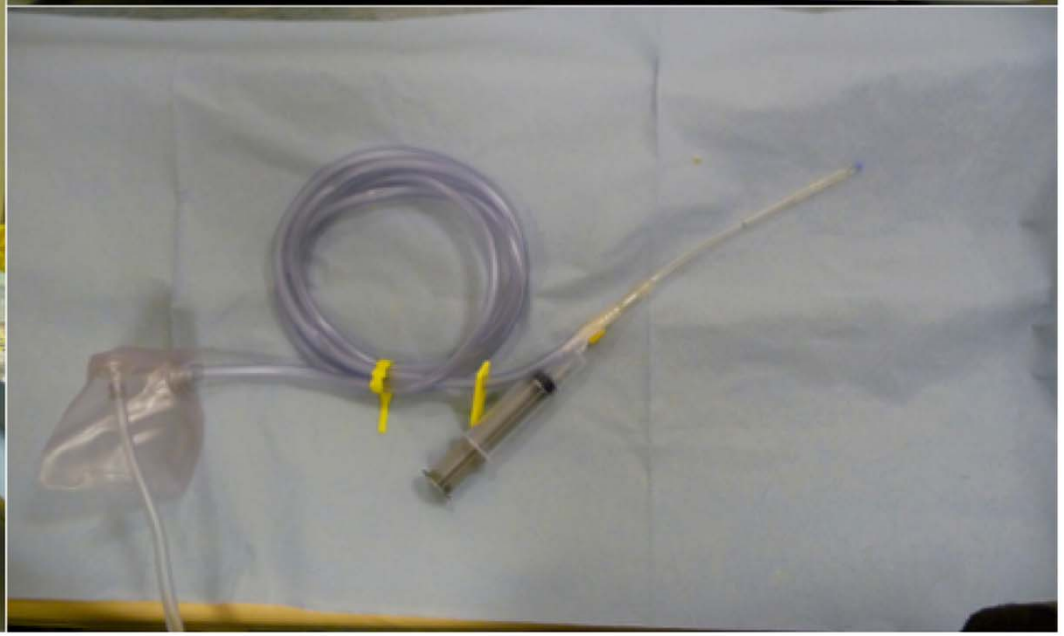




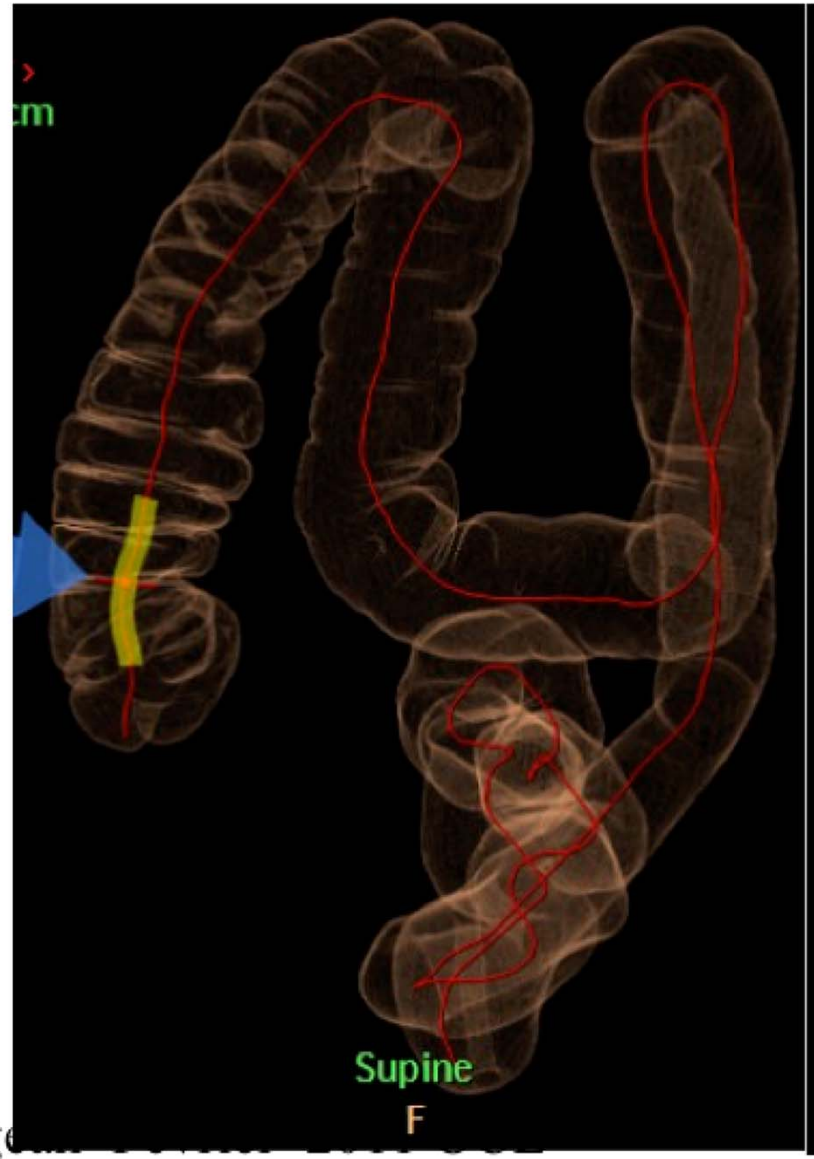


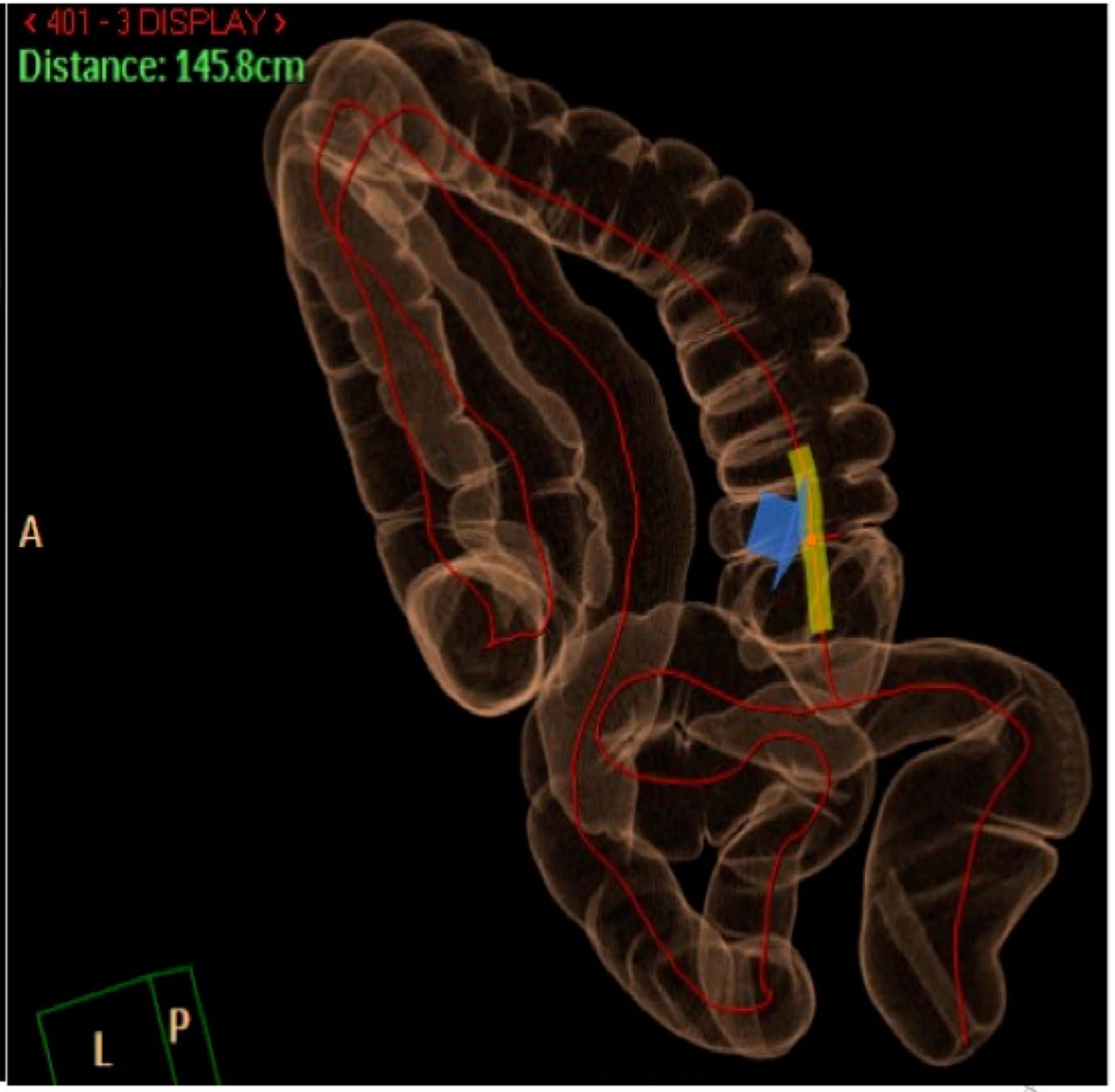


Colonoscopie Virtuelle



gean Février 2011 UCL





Drage

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Philips Brilliance 16P
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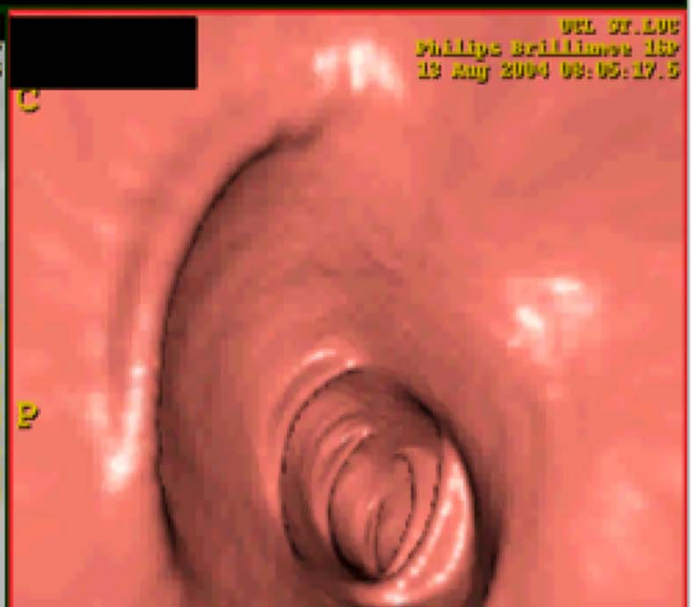
C
R

UCL ST.LUC
Philips Brilliance 16P
12 Aug 2004 08:05:17.5
C
RH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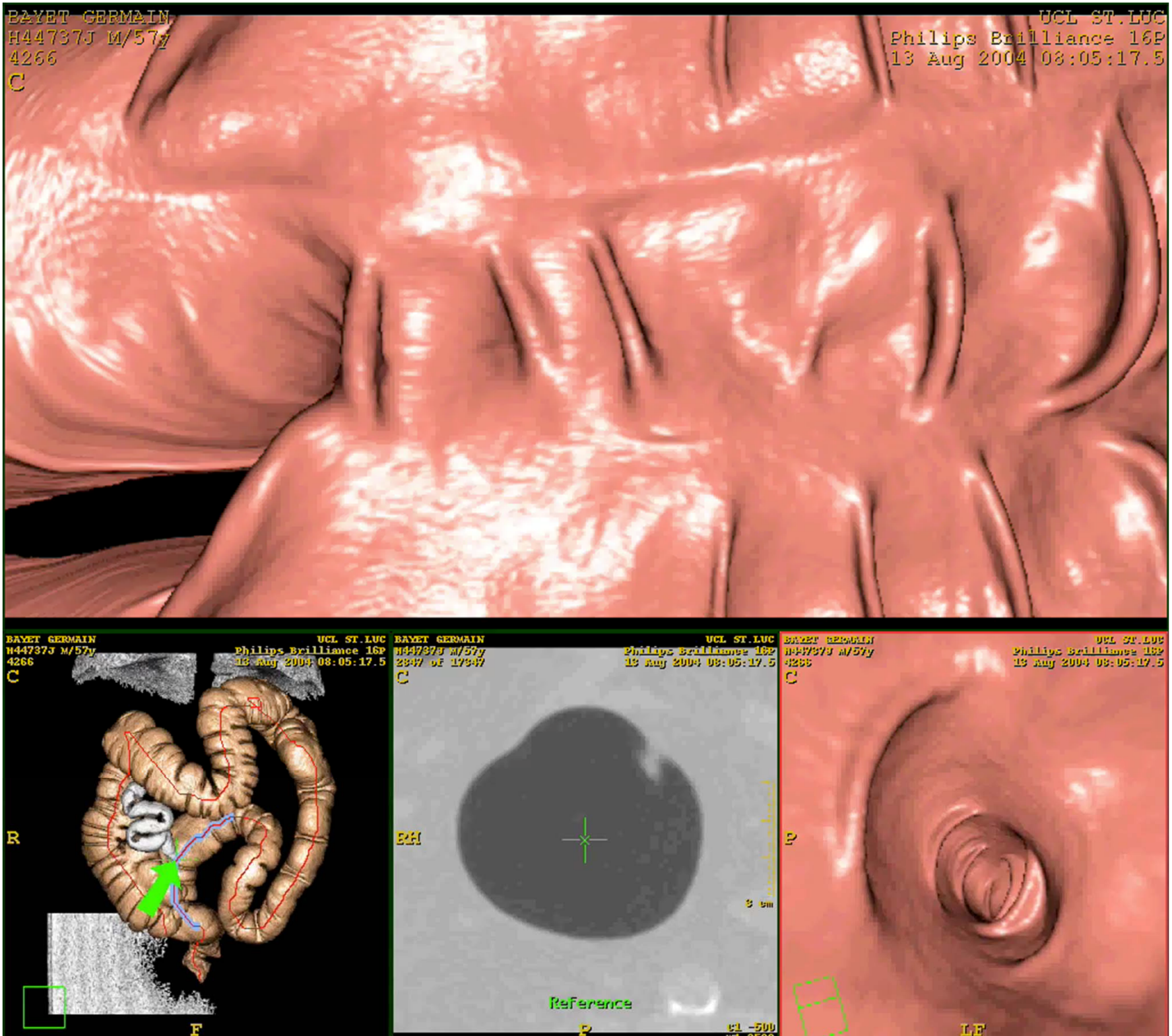
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Reference
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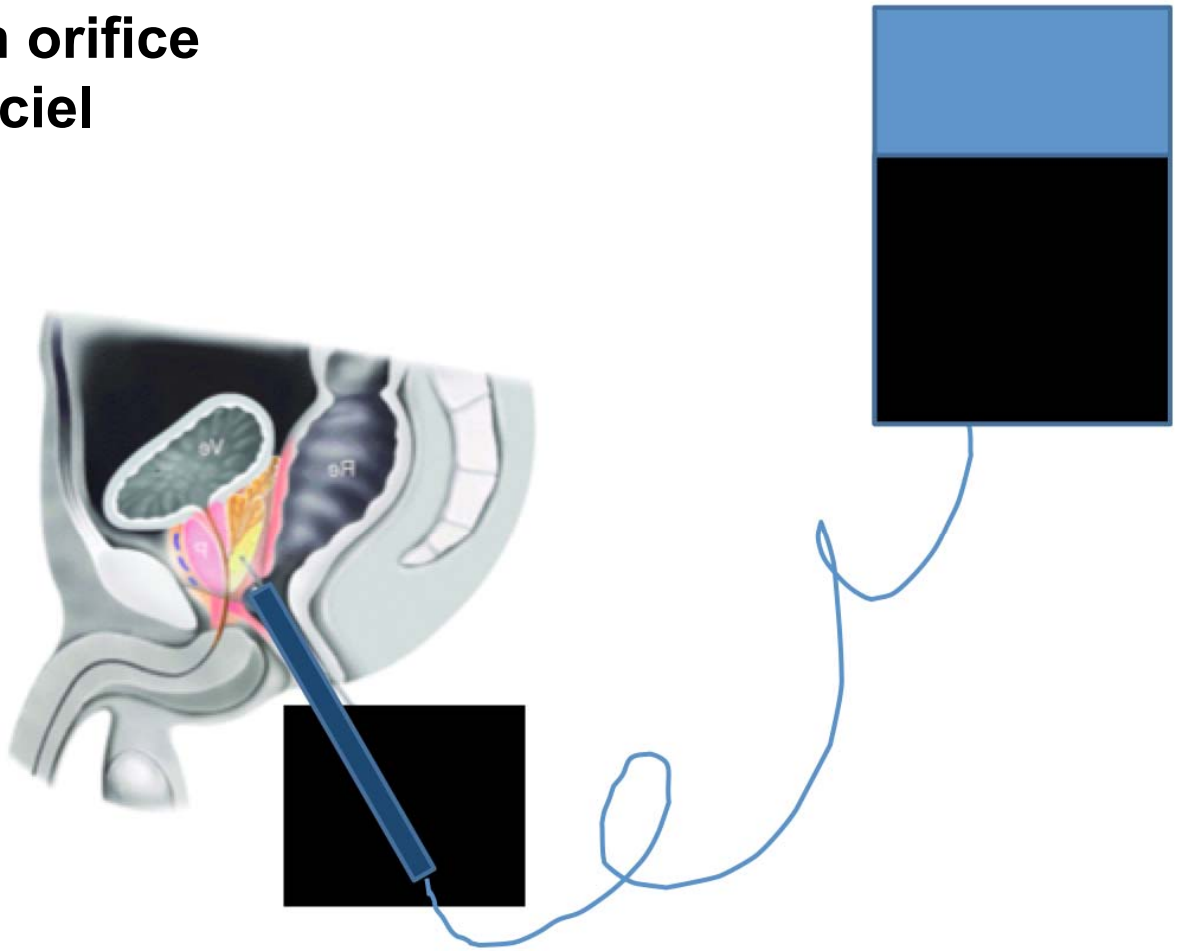
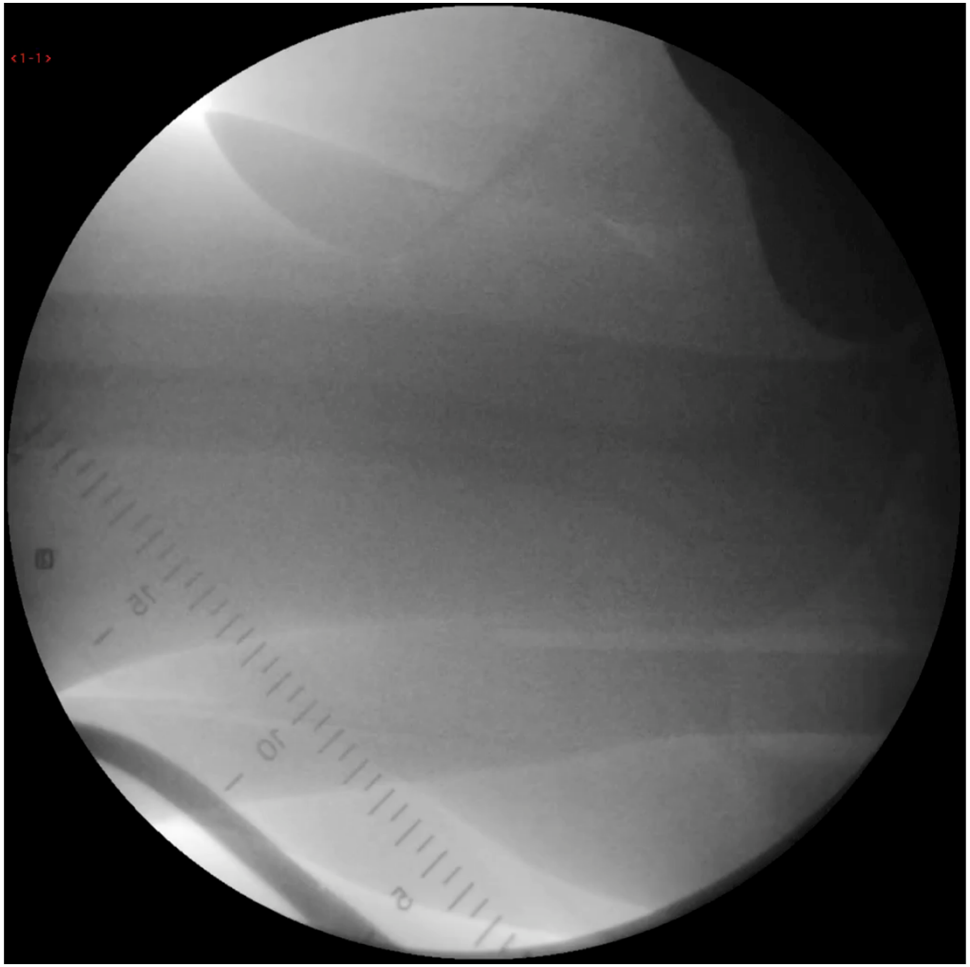
Techniques d'imagerie
avec risque :
Radiologie conventionnelle
=> produits de contraste

- à ingérer
- **à insérer par un orifice naturel ou artificiel**
- **-** à injecter

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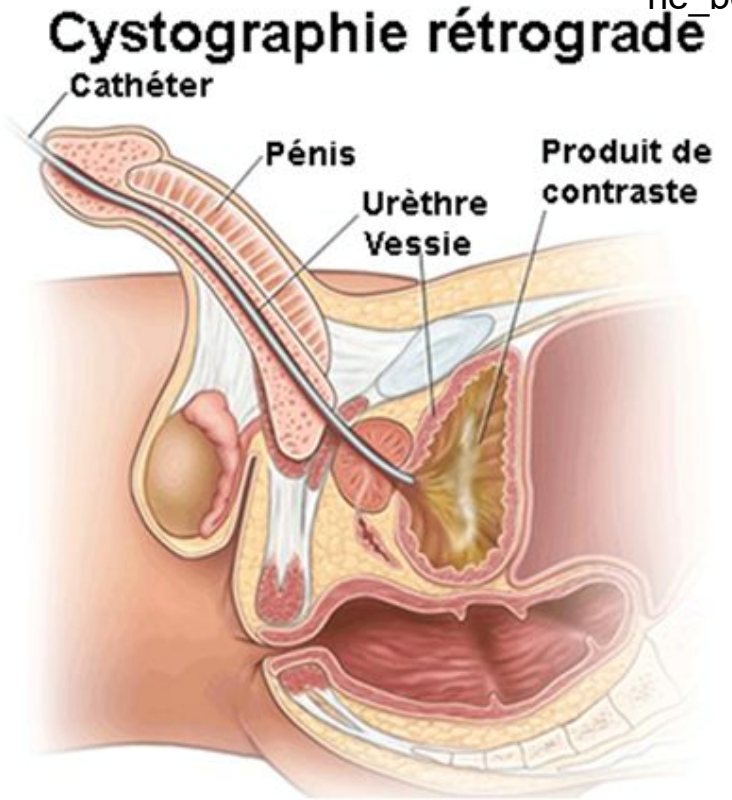

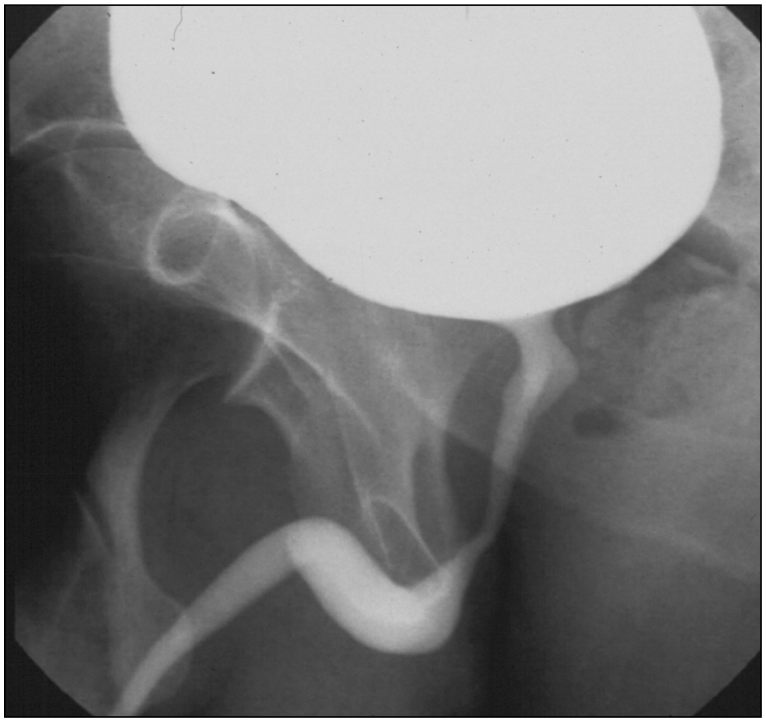

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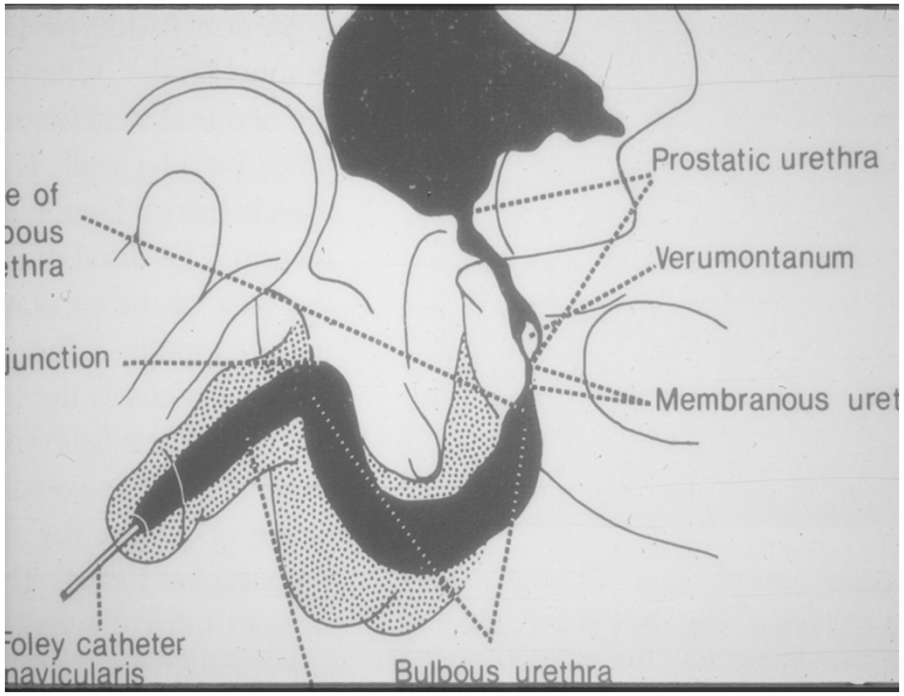

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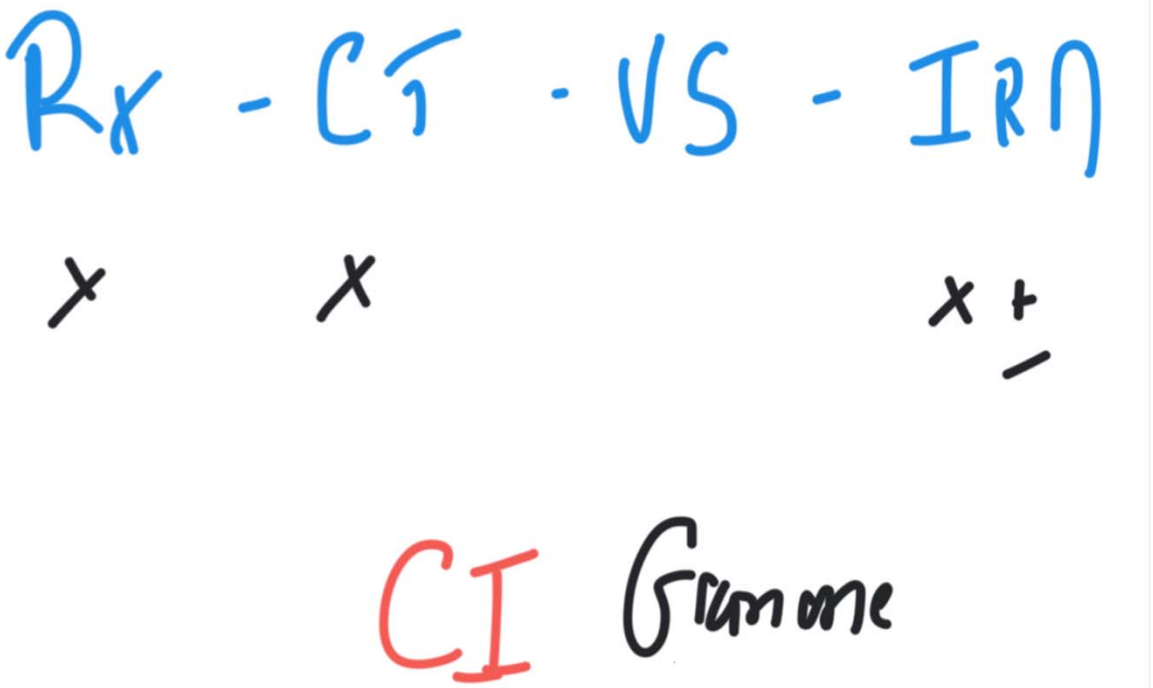
Grossesse et imagerie