

DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2020/2021

Le patient adulte et l'abdomen post-op en échographie

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 Bruxelles



Objectifs

Utilité et limites de l'échographie dans la prise en charge des suivis post-opératoires abdominaux du patient adulte

- ⇒ Paroi abdominale
- ⇒ Voies biliaires et Vésicule Biliaire
- ⇒ Foie
- ⇒ Aorte abdominale
- ⇒ Voies urinaires
- ⇒ Tube digestif
- ⇒ Cavité abdominale

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La paroi abdominale en post-op chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200
Bruxelles



Paroi abdominale opérée

? Collection ?

Oui / Non

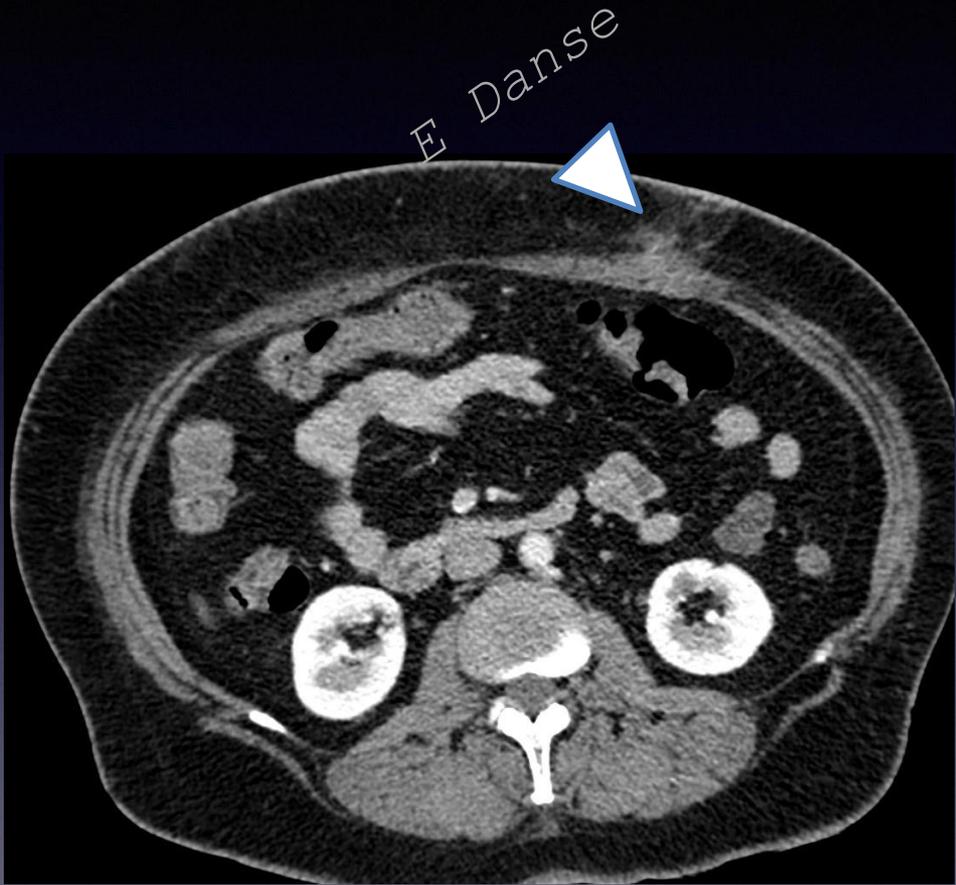
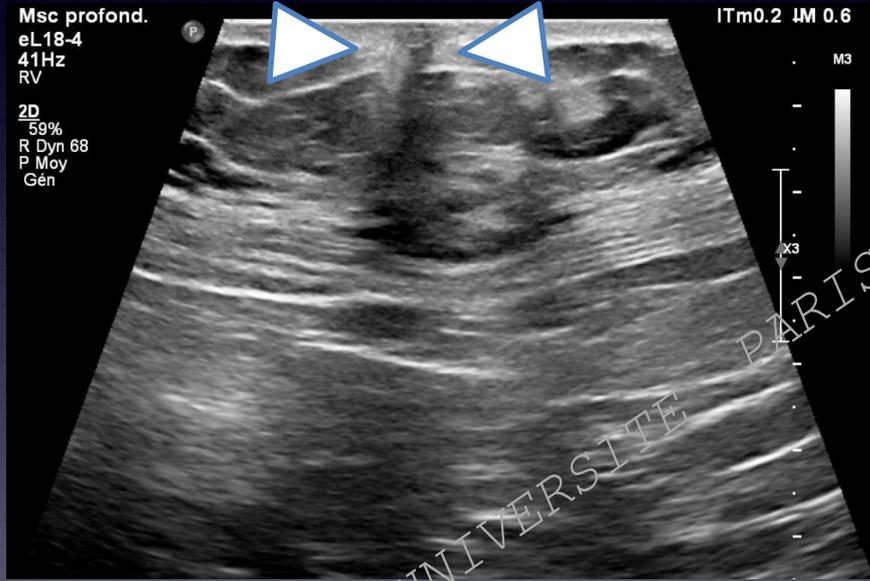
Nature ? Hématome ? Abscès ? Sérosités ?

Lymphes ?

Corps étrangers

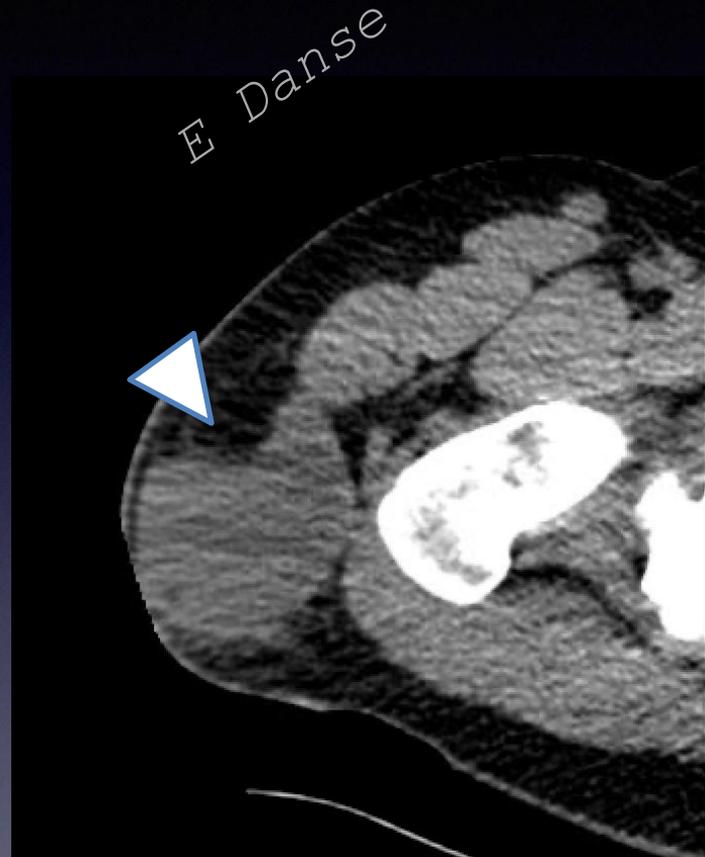


Infiltration de la paroi

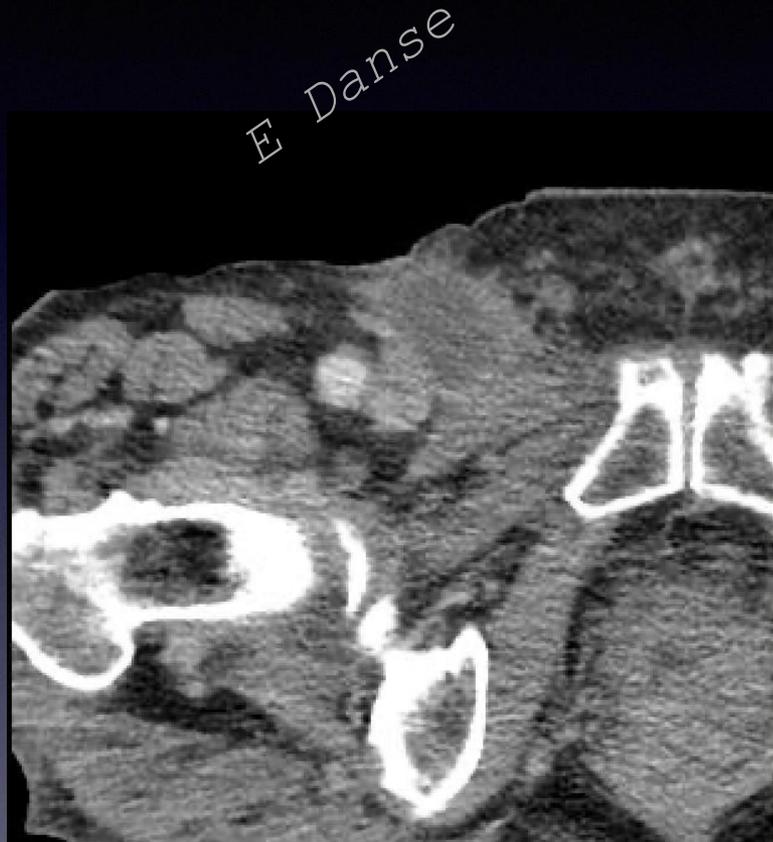
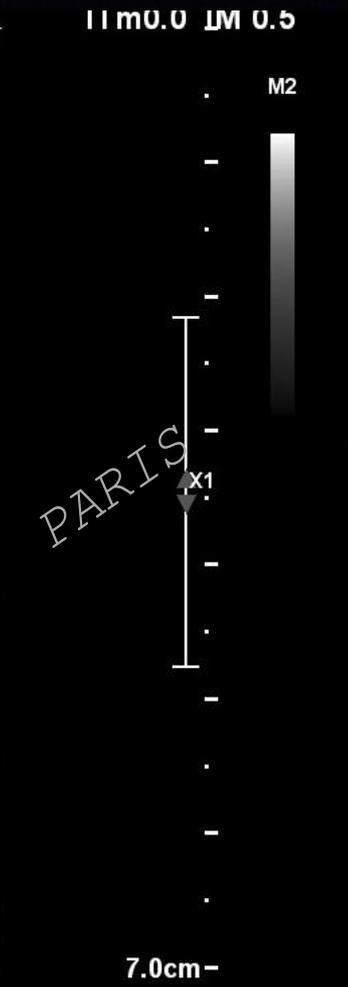
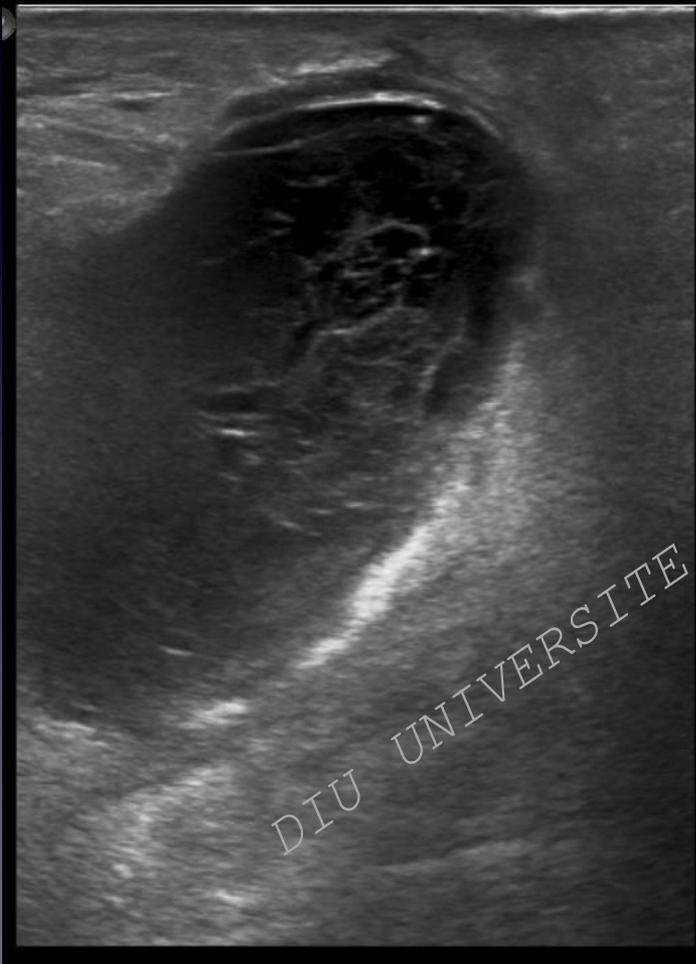


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Collection pariétale

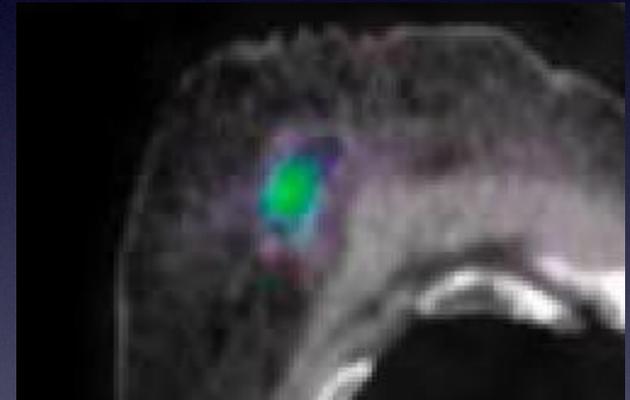


Lymphocœle



Lymphocœle

E Danse



Endométriose vs tumeur desmoïde vs ???



Paroi abdominale opérée

Cure de Hernie

E Danse

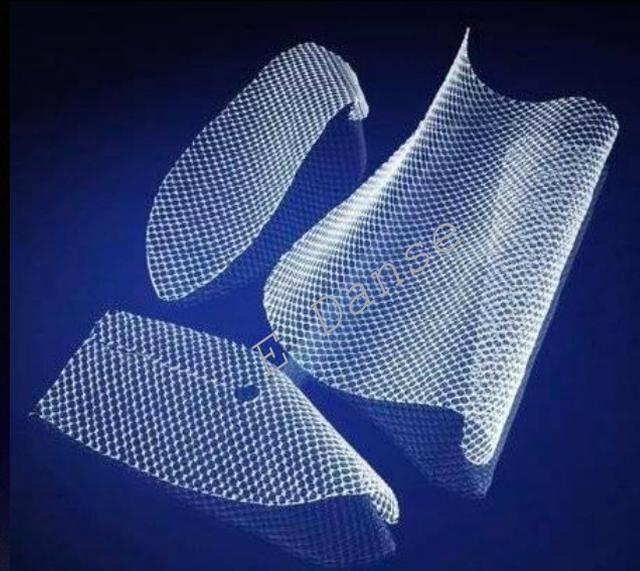
Collection ?

Désinsertion du matériel ?

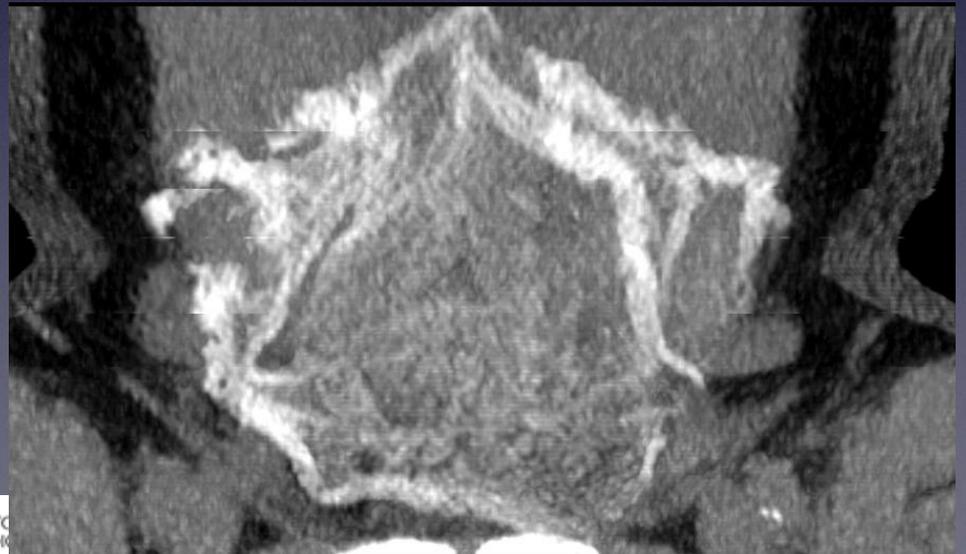
Tolérance du matériel ?

Complication du matériel ?

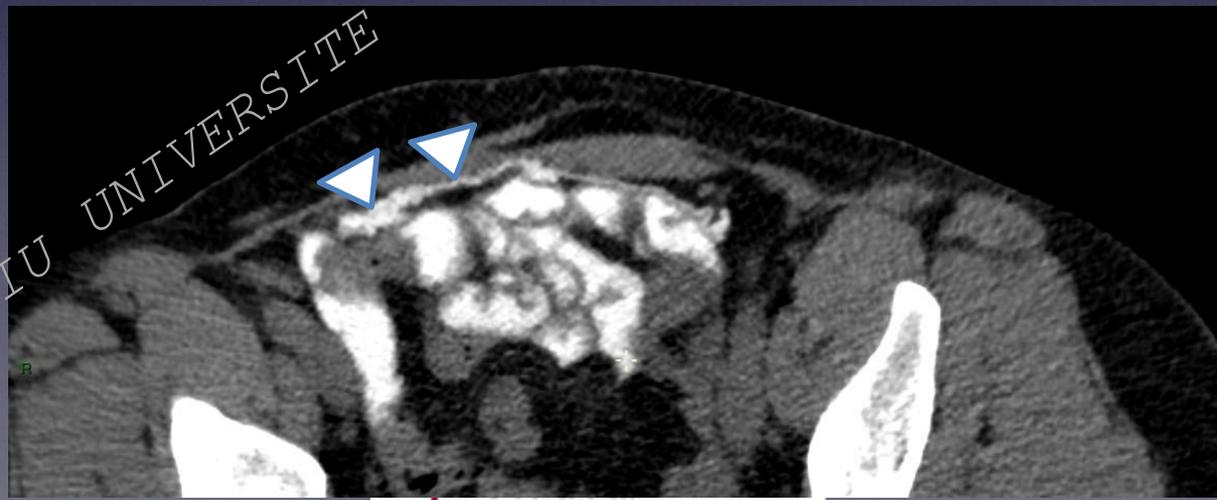
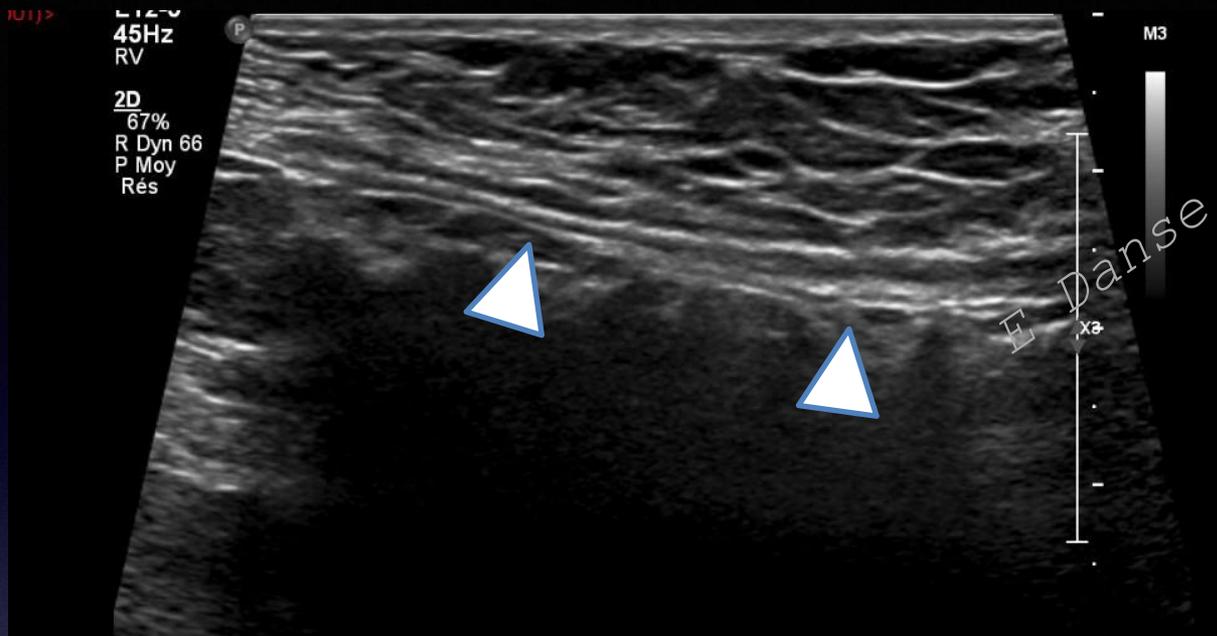
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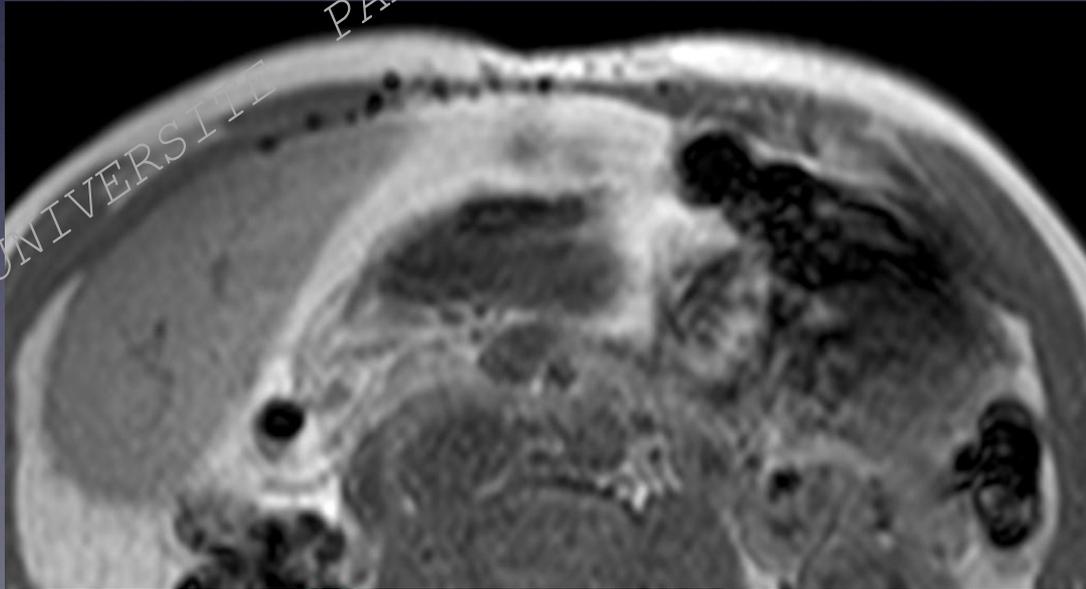
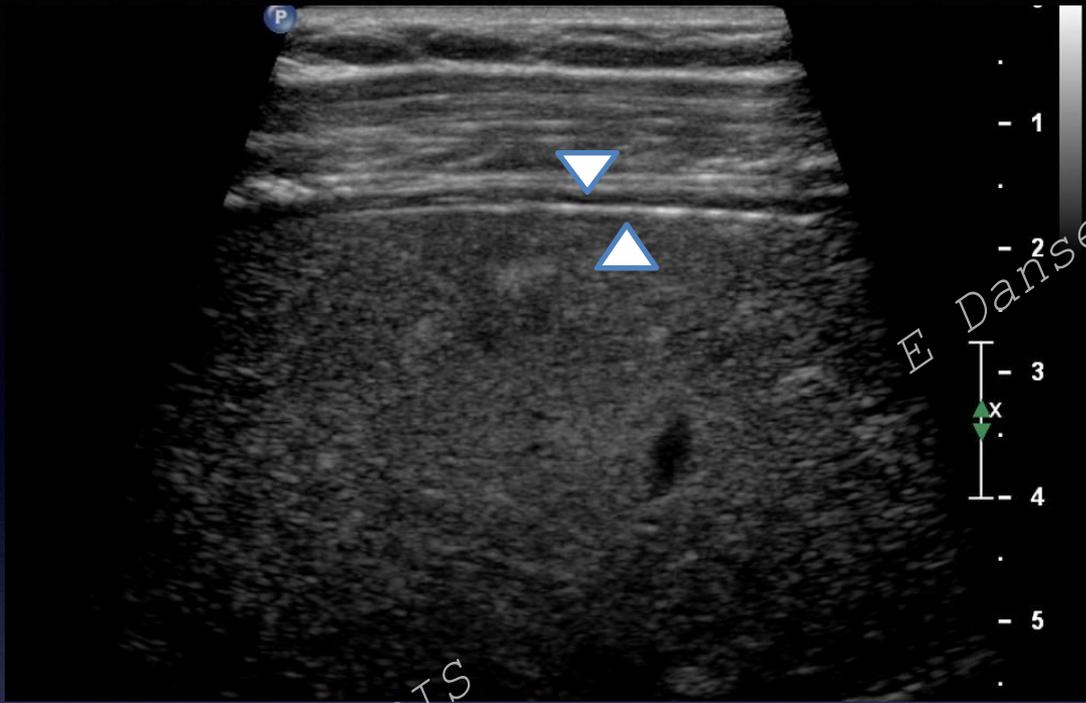


https://www.chirurgiemarseille.com/public/img/big/DAVOL703363JPG_5bef012d1653b.JPG



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Meshome



Ischémie testiculaire

C. Dellabianca et al.

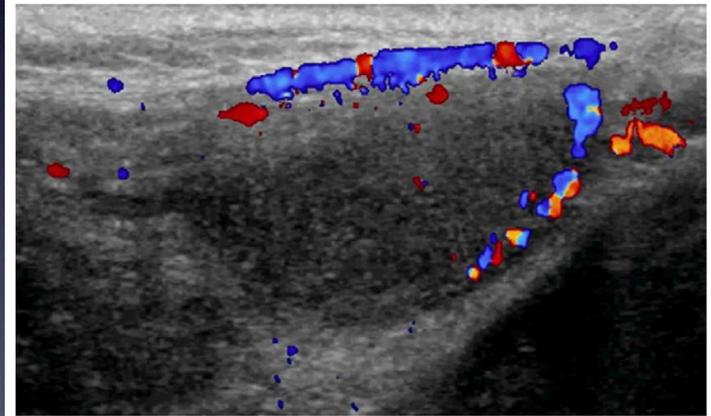
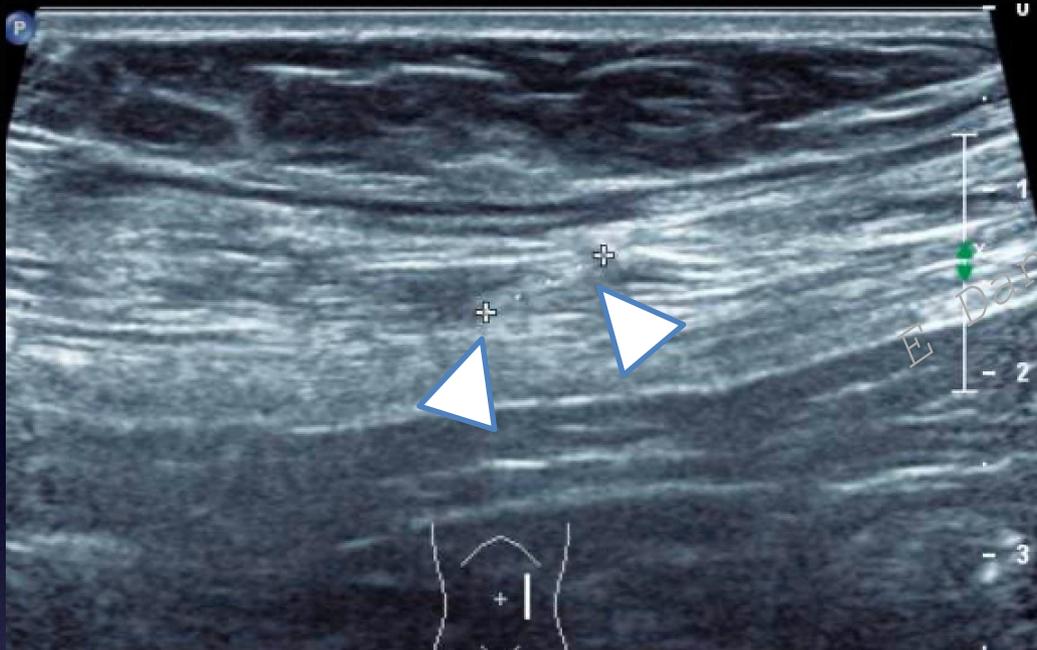


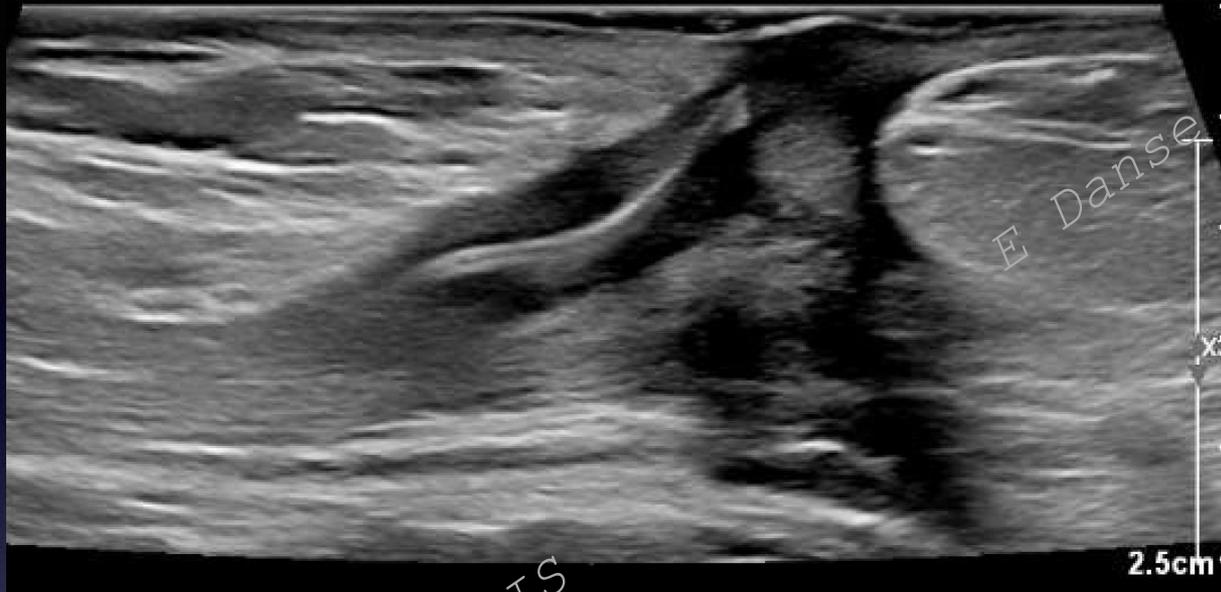
Figure 2 Testicular ischemia as hernia repair complication. On color Doppler there is a complete lack of intratesticular vascular signal and cremasteric vessel hypertrophy.

Parviz K. Amid, MD

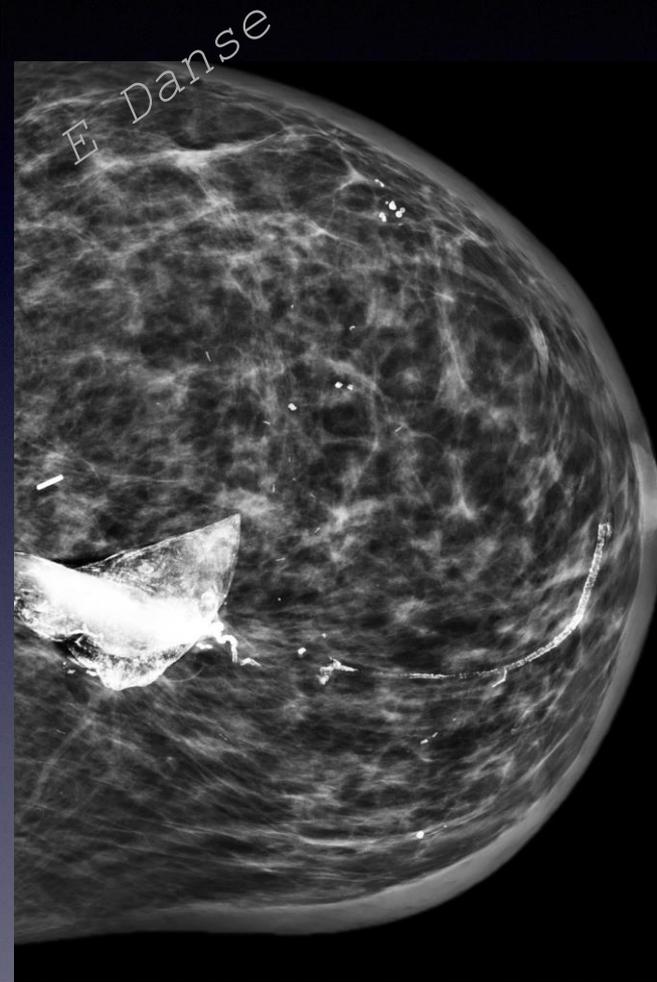




Un fil ?



Une compresse ?



Paroi abdominale opérée

Stomie (Bricker, Iléostomie/colostomie)

Collection ?

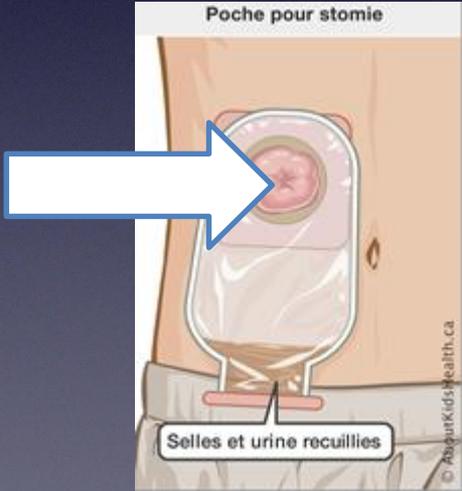
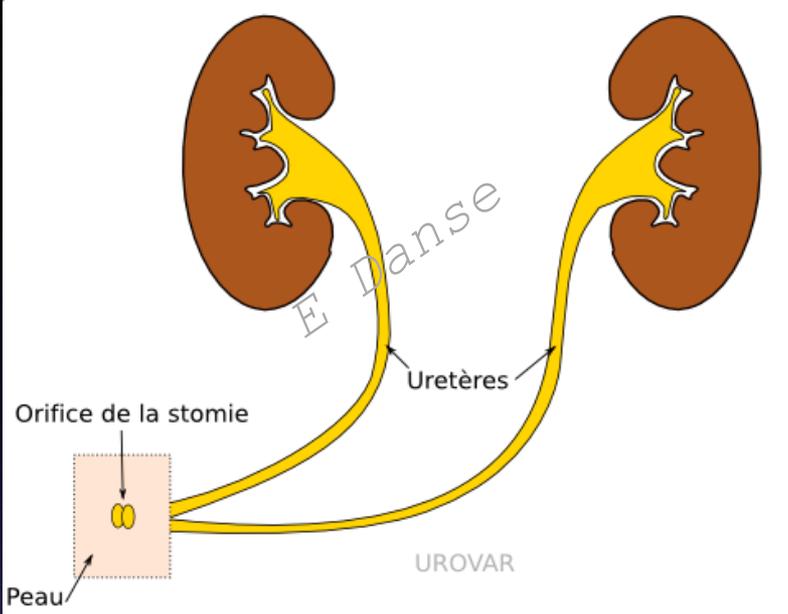
Hernie parastomiale ?

Inflammation / sténose

Obstacle

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Bricker



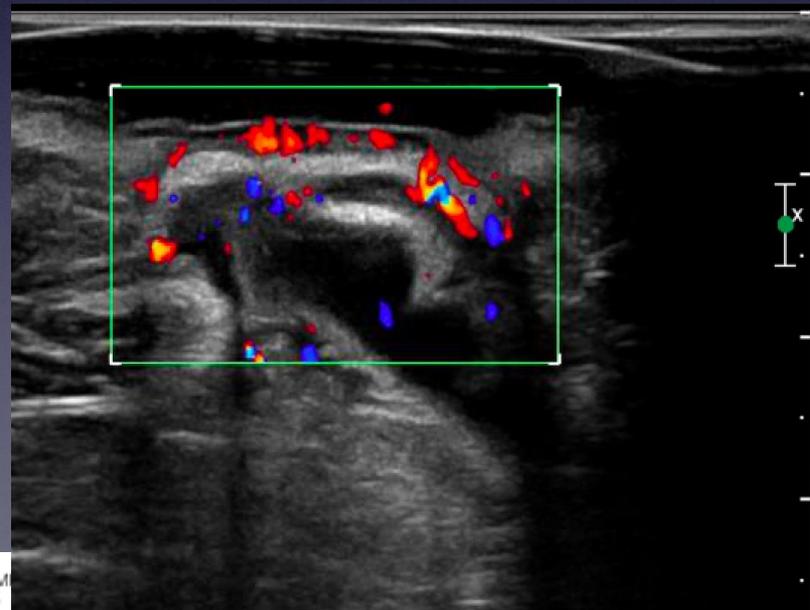
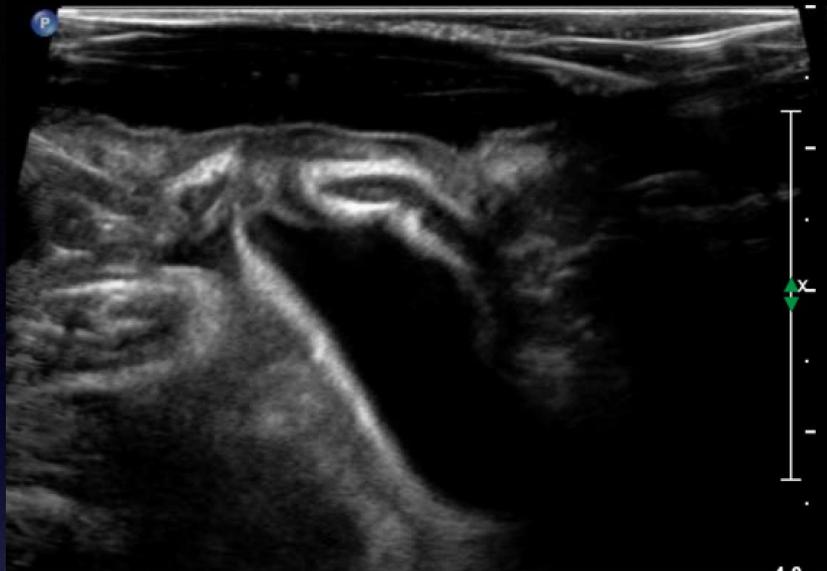
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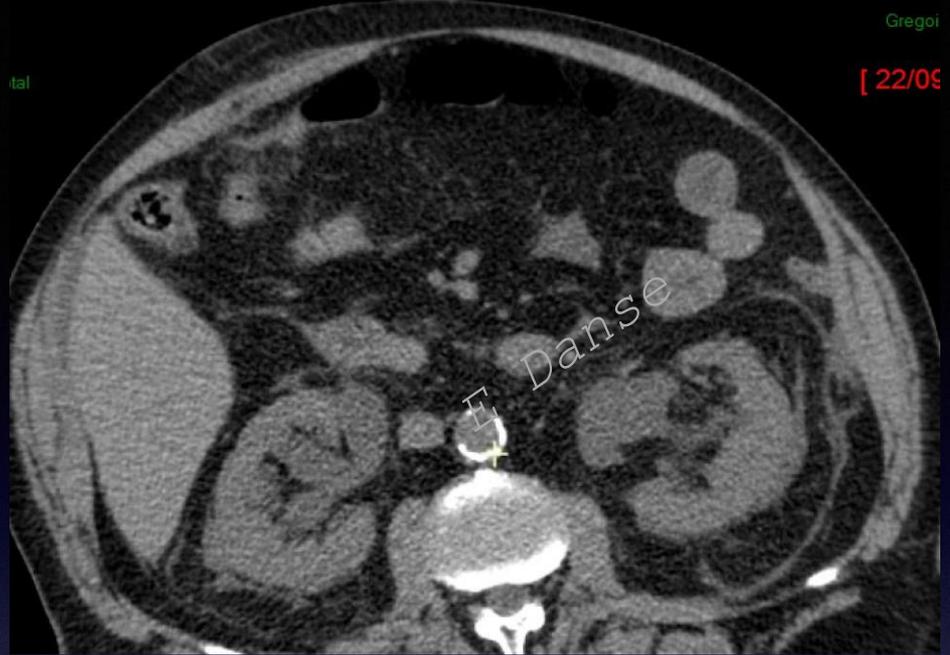
[https://assets.aboutkidshealth.ca/assets/images/Pediatric_Urology/Bricker_Urostomy_pouch_FR.png?](https://assets.aboutkidshealth.ca/assets/images/Pediatric_Urology/Bricker_Urostomy_pouch_FR.png?renditionID=10)

renditionID=10

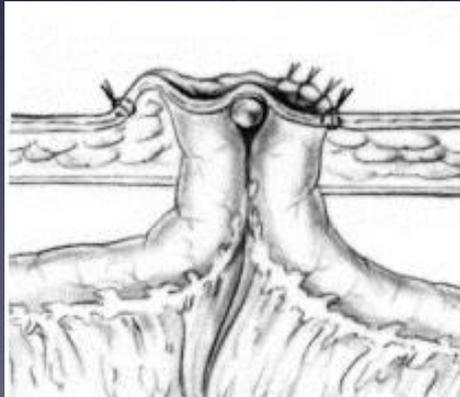
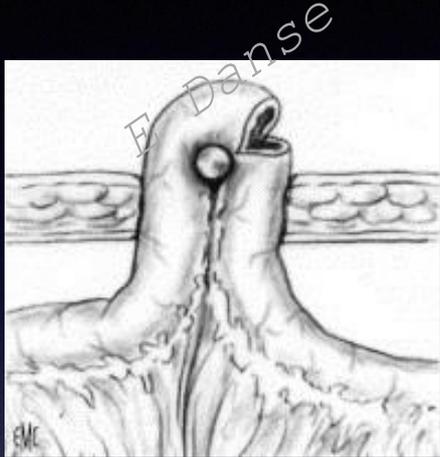
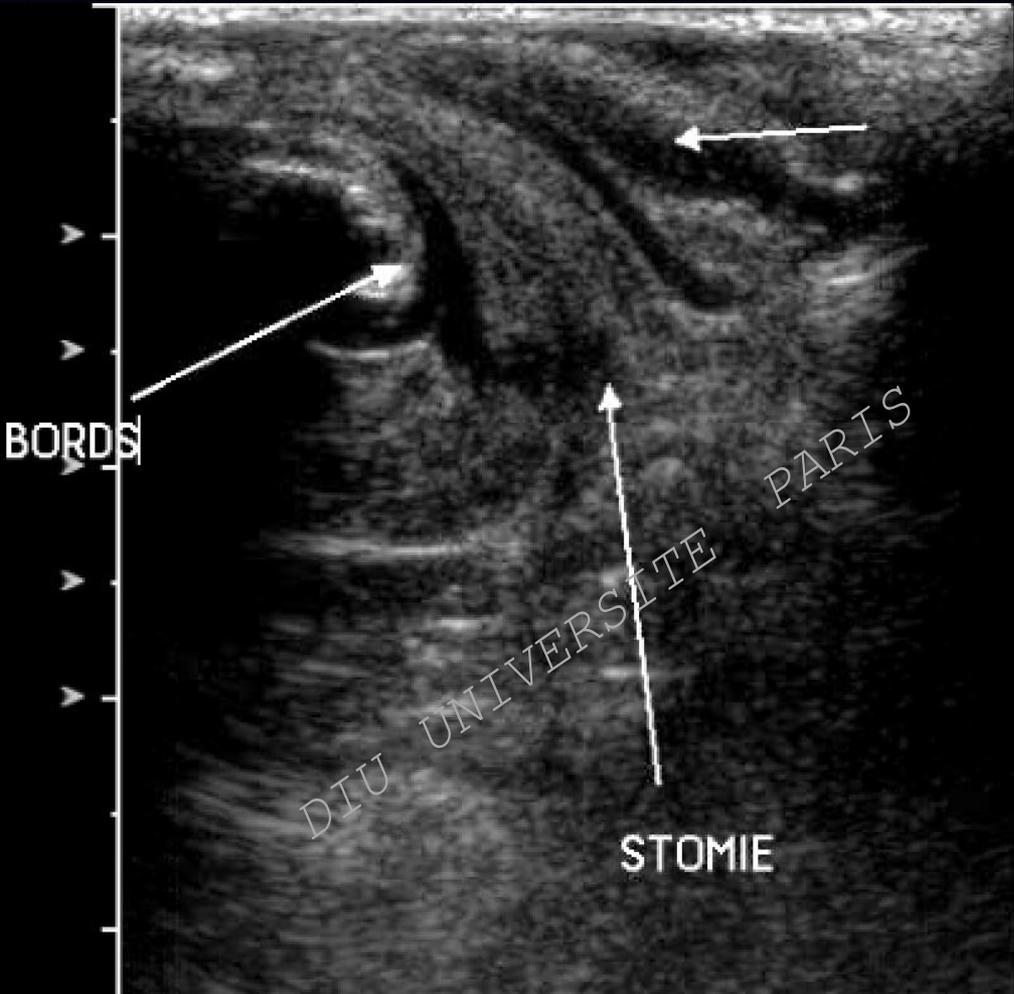


[ostomy_pouch_FR.png?](https://assets.aboutkidshealth.ca/assets/images/Pediatric_Urology/Bricker_Urostomy_pouch_FR.png?renditionID=10)



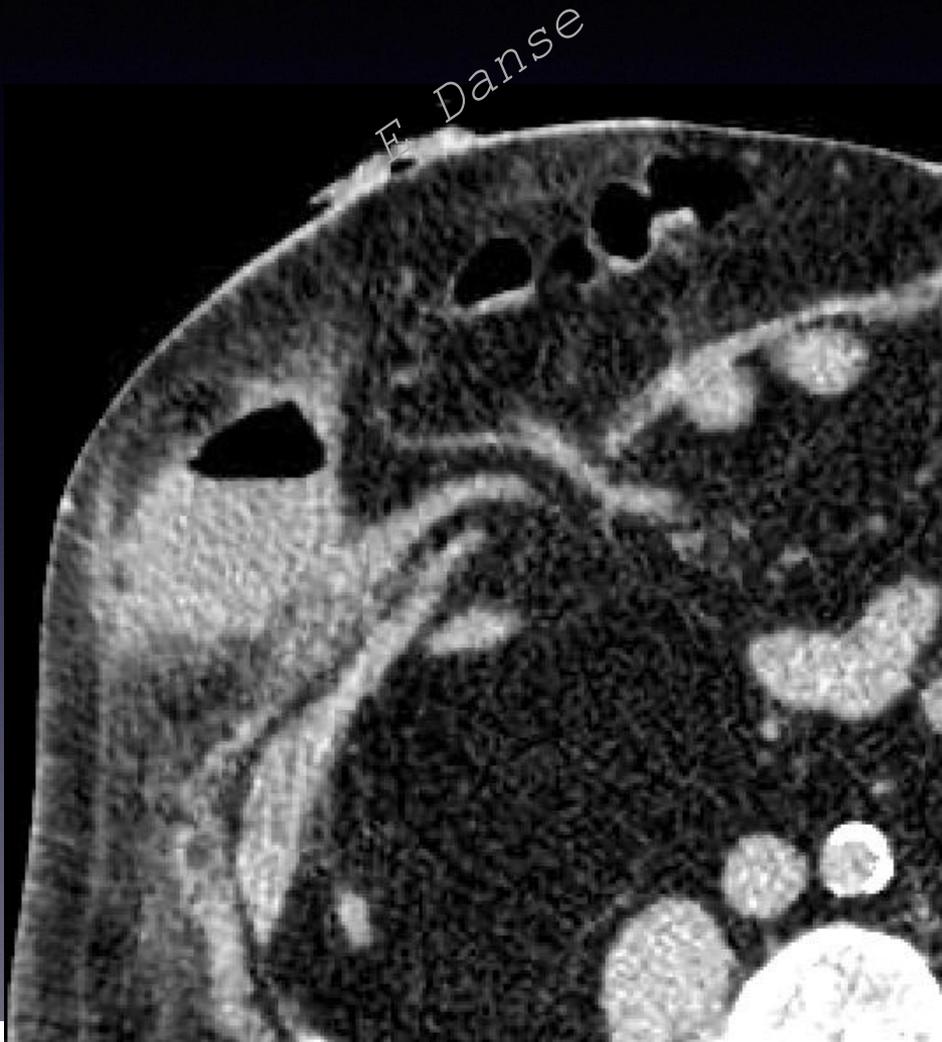
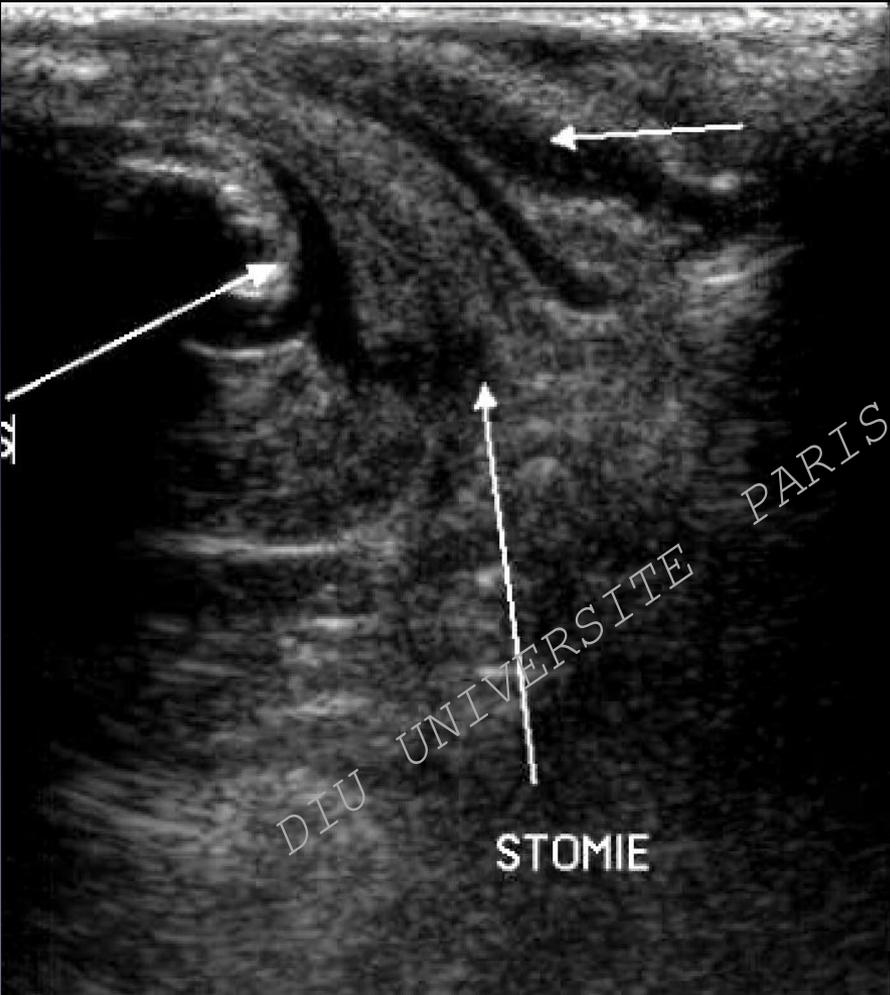


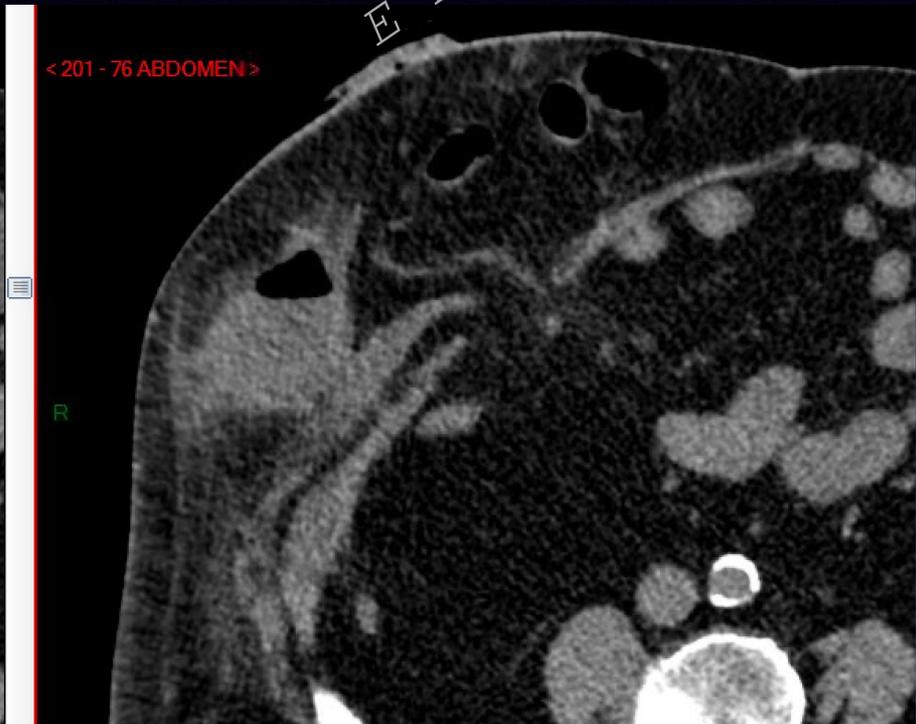
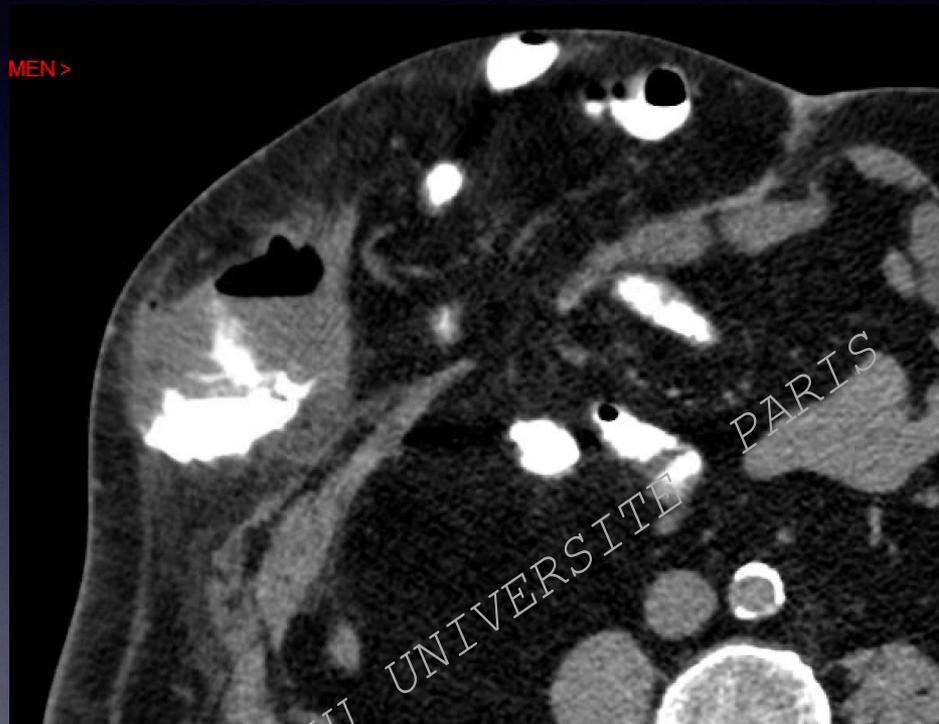
Iléostomie FID



<https://ars.els-cdn.com/content/image/1-s2.0-S0762570X05000022-fx32.jpg>

Iléostomie FID





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2019/2020

E. Danse

Les voies biliaires opérées chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc, 1200 Bruxelles
Bruxelles



Voies biliaires opérées : la cholécystectomie et ses conséquences

Les constatations normales

Aérobilie

Moignon Cystique

Cholécystectomie partielle

Aérobilie



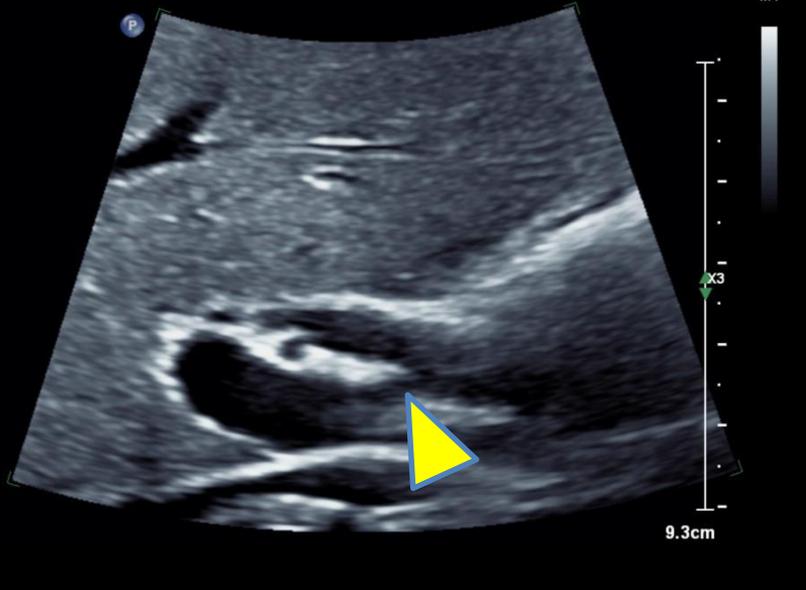
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C5-f
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RV

2D
50%
R Dyn 55
P Bas
HRés

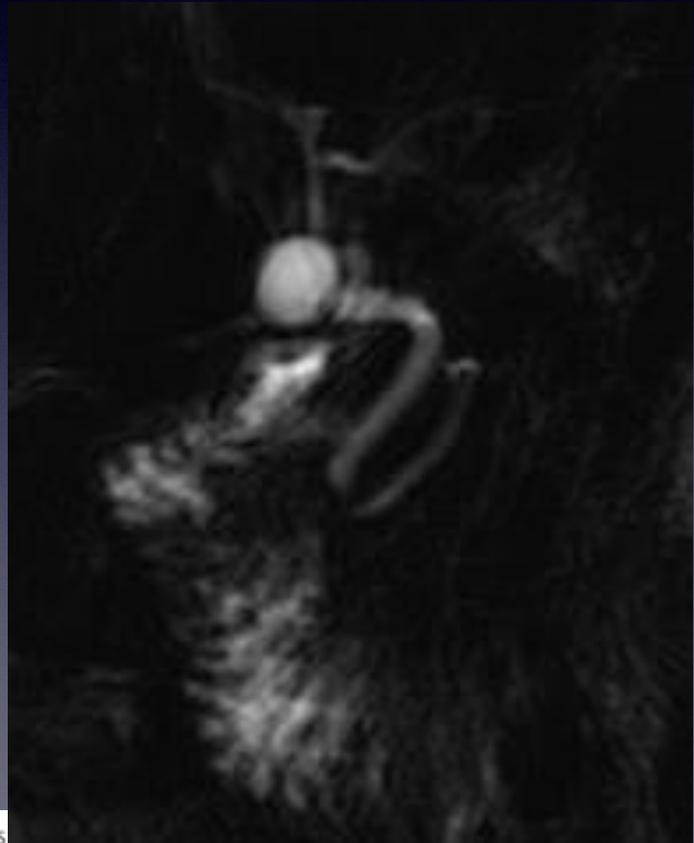
ITm0.5 IM 1.3

M4



Moignon cystique

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Cholécystectomie partielle



Voies biliaires opérées : la cholécystectomie et ses conséquences

Collection du lit vésiculaire

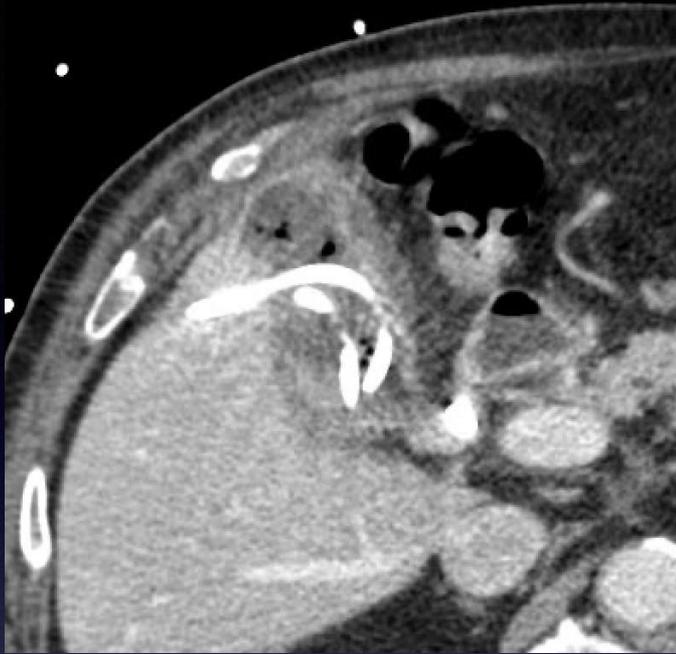
Fuite biliaire

Cholécystite drainée

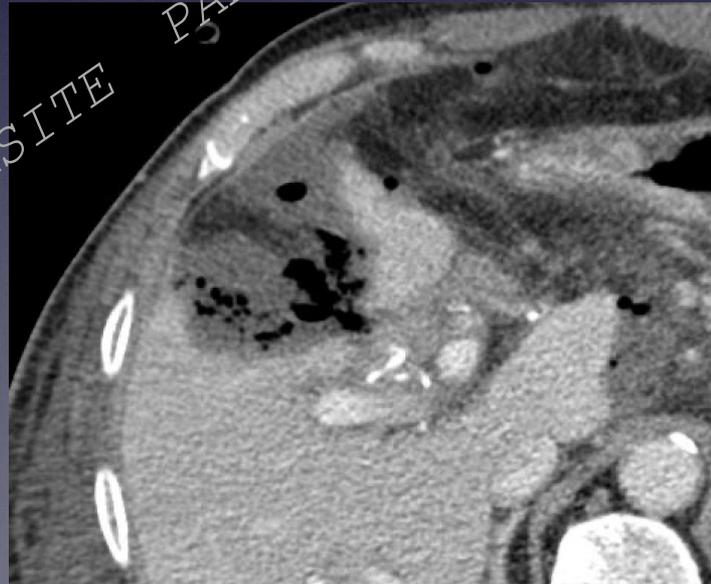
Dilatation des voies biliaires

Droplet Gallston





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Fossette vésiculaire, post cholécystectomie

Emerg Radiol (2008) 15:183–185
DOI 10.1007/s10140-007-0665-2

CASE REPORT

Postoperative Surgical mimicking abscesses following cholecystectomy and liver biopsy

Alicia C. Arnold · Aaron Sodickson



184

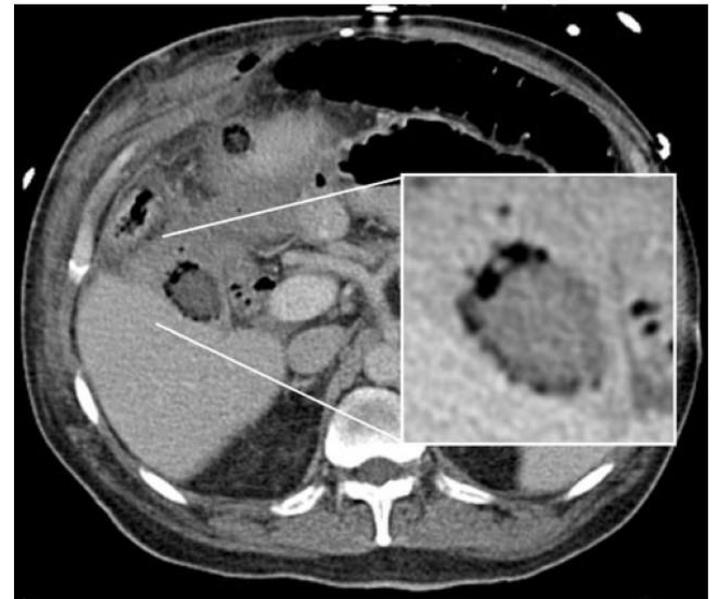


Fig. 1 Contrast enhanced CT image shows a low attenuation mass in the gallbladder fossa. *Inset in a wider display window demonstrates peripheral punctuate and linear foci of gas*

Fuites biliaires post cholécystectomie

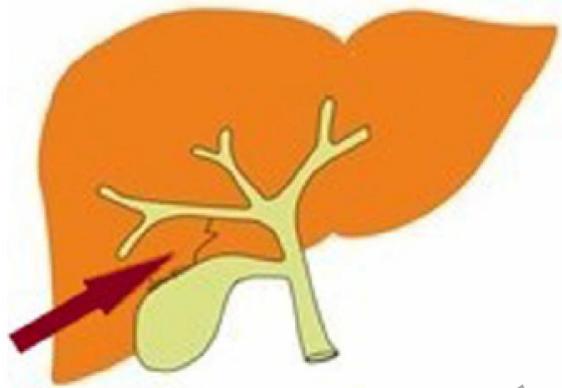


Fig. 2 – Marked by the arrow is an aberrant subvesical bile duct draining its hepatic segment. It is situated within the connective tissue or capsule of the gallbladder fossa.

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RADIOLOGY CASE REPORTS 14 (2019) 1237–1240

au format Word ou Excel



Available online at www.sciencedirect.com

ScienceDirect

journal homepage: www.elsevier.com/locate/radcr



Case Report

Ducts of Luschka as a rare cause of postoperative biloma. MRCP findings

Daniel Paramythiotis, MD, PhD^a, Moysis Moysidis, MD^{a,*}, Vasileios Rafailidis, MD^b, Petros Bangeas, MD, MSc^c, Anestis Karakatsanis, MD^a, Anna Kalogera, MD, PhD^b, Antonios Michalopoulos, MD, PhD^a

^a 1st Propaedeutic Surgery Department, AHEPA University Hospital of Thessaloniki, St. Kiriakidi 1, Thessaloniki 54636, Greece

^b Radiology Department, AHEPA University Hospital of Thessaloniki, Thessaloniki, Greece

^c 1st University Surgery Department, Papageorgiou Hospital of Thessaloniki, Thessaloniki, Greece

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Fuites biliaires post cholécystectomie

J Gastrointest Surg (2012) 16:656–662

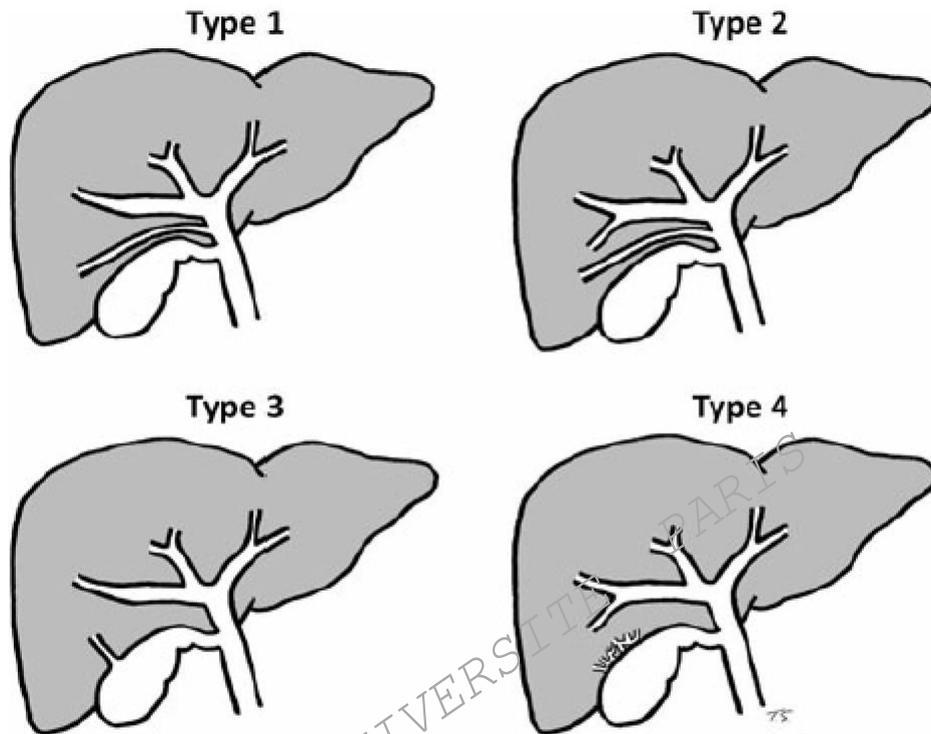


Fig. 2 Types of subvesical bile ducts: type 1—segmental or sectorial subvesical bile duct, type 2—accessory subvesical bile duct, type 3—hepaticocholecystic bile duct, type 4—aberrant subvesical bile duct

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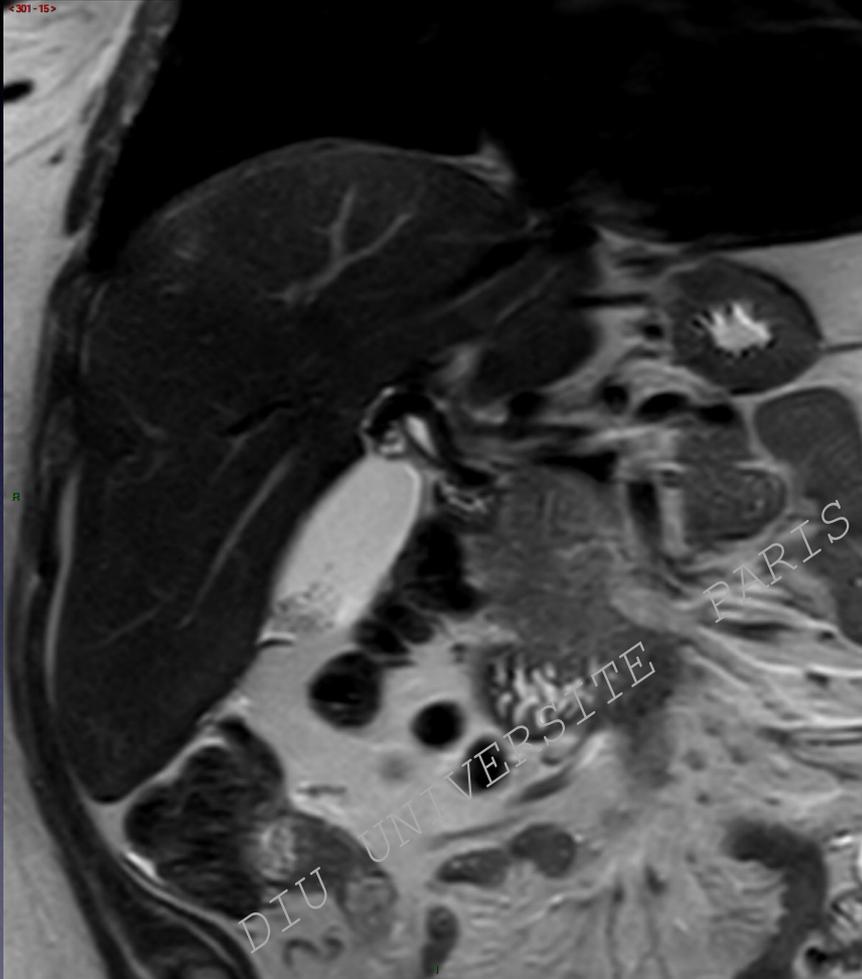
J Gastrointest Surg (2012) 16:656–662
DOI 10.1007/s11605-011-1802-5

REVIEW ARTICLE

What is the Duct of Luschka?—A Systematic Review

Thomas Schnelldorfer · Michael G. Sarr ·
David B. Adams

Fuites biliaires post cholécystectomie



Formation médicale continue

J Radiol 2002;83:221-232
© Editions Françaises de Radiologie, Paris, 2002

Anatomie biliaire et vasculaire du foie

PJ Valette, T De Baere

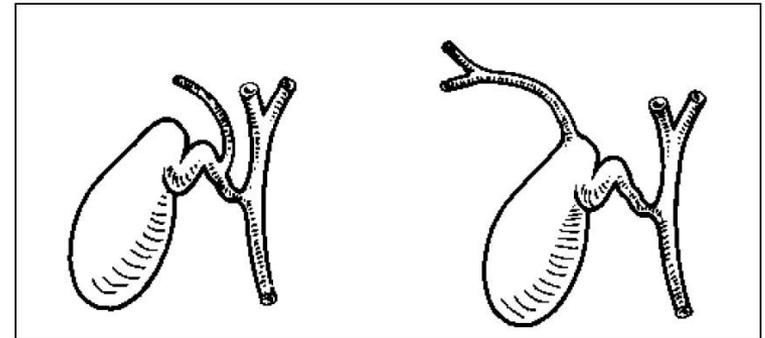


Fig. 5 : Représentation schématique des variations d'abouchement de voies biliaires intrahépatiques droites dans le collet vésiculaire ou dans le canal cystique.



SCIENCES FONDAMENTALES
ET BIOMÉDICALES
Sciences
Université de Paris

Fuites biliaires post cholécystectomie



Fuites biliaires post cholécystectomie

Fan et al. Medicine (2018) 97:8

www.md-journal.com

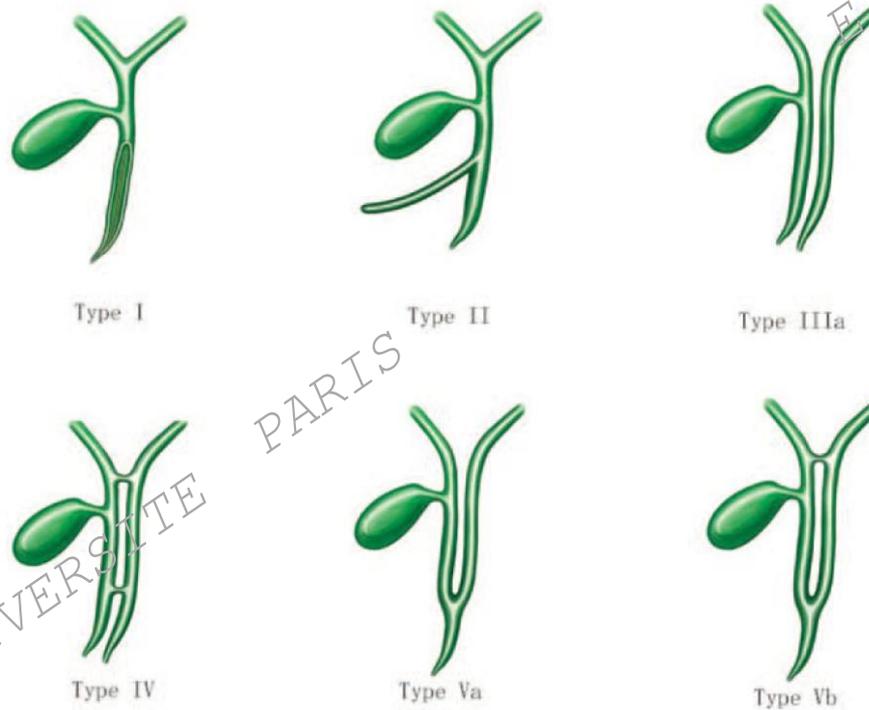
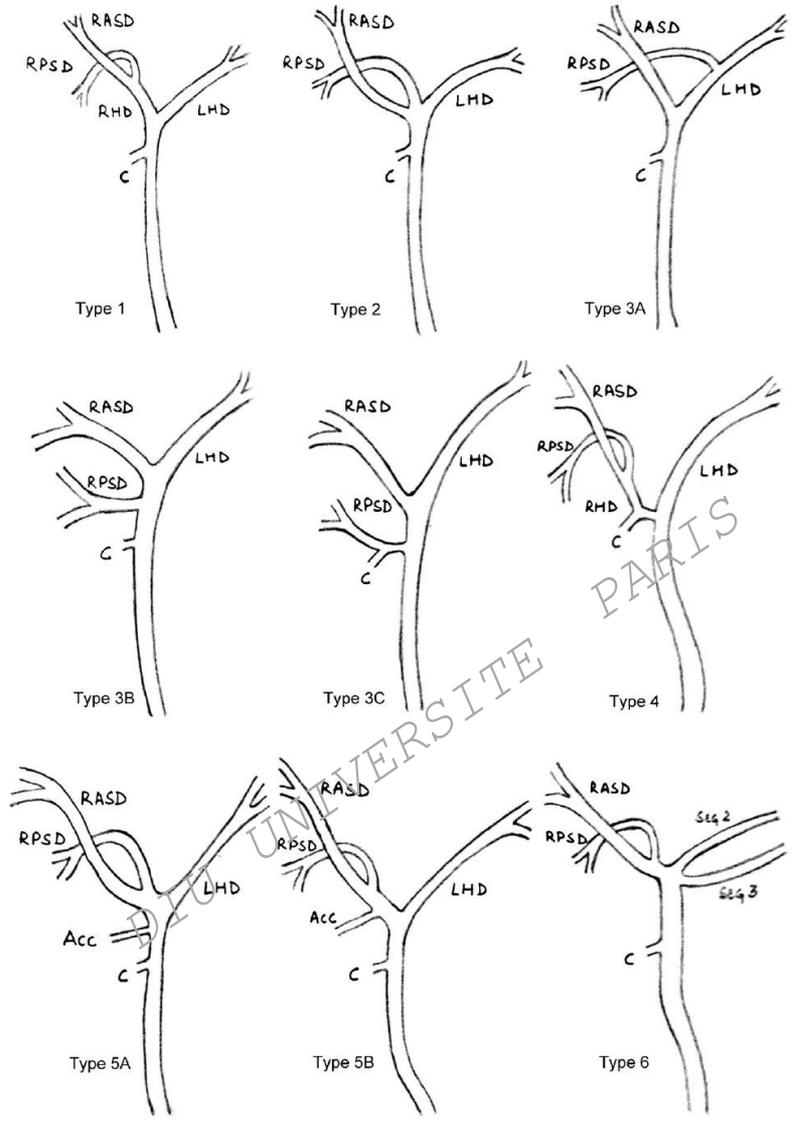


Figure 2. Modified double common bile duct classification. Type I, a septum within the CBD lumen; Type II, the distal bile duct bifurcates and each channel independently drains into the different sites (stomach, pancreas, and duodenum); Type III, duplicated extrahepatic bile ducts with (type IIIa) or without (type IIIb) intrahepatic communicating duct; Type IV, duplicated extrahepatic bile ducts with extrahepatic communicating channel or both intrahepatic and extrahepatic communicating channels; Type V, duplicated extrahepatic bile ducts join as a single duct and drain into the duodenum.

Fuites biliaires post cholécystectomie

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Indian J Gastroenterol (September–October 2016) 35(5):379–384
DOI 10.1007/s12664-016-0693-5



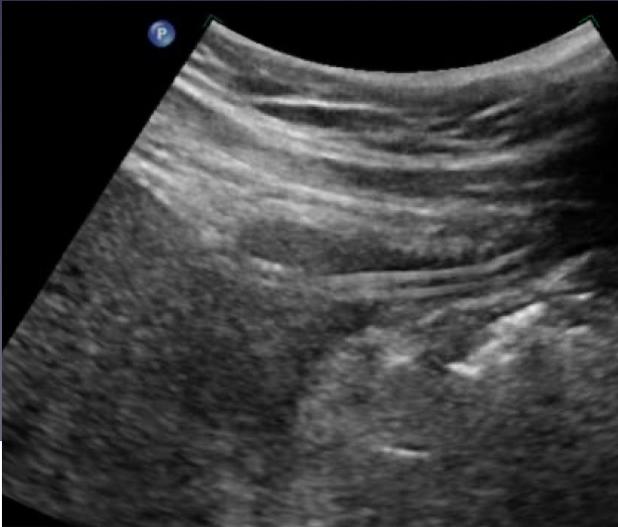
ORIGINAL ARTICLE

Intrahepatic biliary duct branching patterns, cystic duct anomalies, and pancreas divisum in a tertiary referral center: A magnetic resonance cholangiopancreatographic study

Ankur Gupta¹ · Praveer Rai¹ · Vivek Singh² · Rakesh Kumar Gupta² · Vivek Anand Saraswat¹

ATALES

Drainage d'une cholécystite sévère



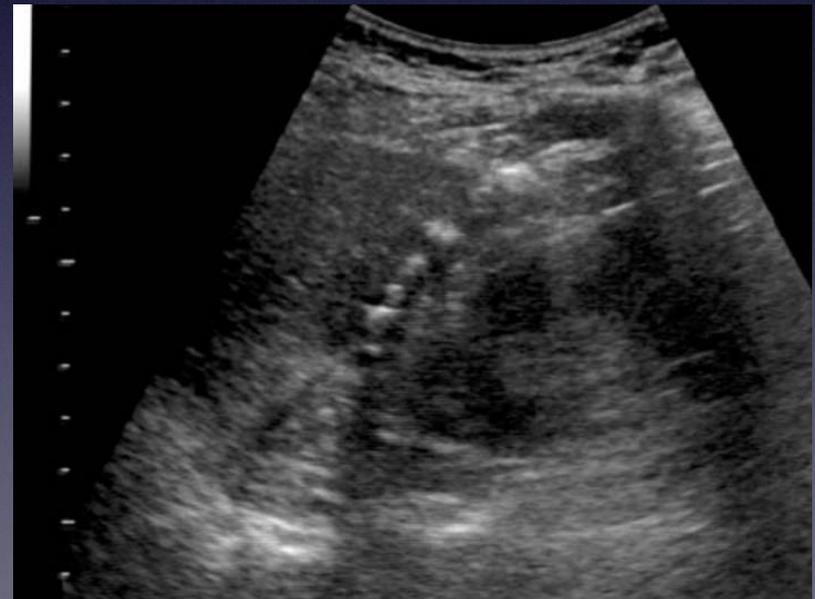
Abdominal spilled stones: ultrasound findings

F. Torello Viera,¹ E. Armellini,¹ L. Rosa,¹ V. Ravetta,¹ M. Alessiani,² P. Dionigi,²
S. Rossi¹

¹Medicina VI, I.R.C.C.S. Policlinico San Matteo, Pavia, Italy

²Chirurgia Epato-pancreatica, I.R.C.C.S. Policlinico San Matteo, Pavia, Italy

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DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2020/2021

E. Danse

Le foie opéré chez l'adulte

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Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 Bruxelles
Bruxelles



Le foie opéré

E Danse

Post Biopsie :

- Fistule vasculaire
- Fistule biliaire
- Hématome
- Hémorragie

Post Hépatectomie:

- Ischémie de la tranche de section
- Bilome

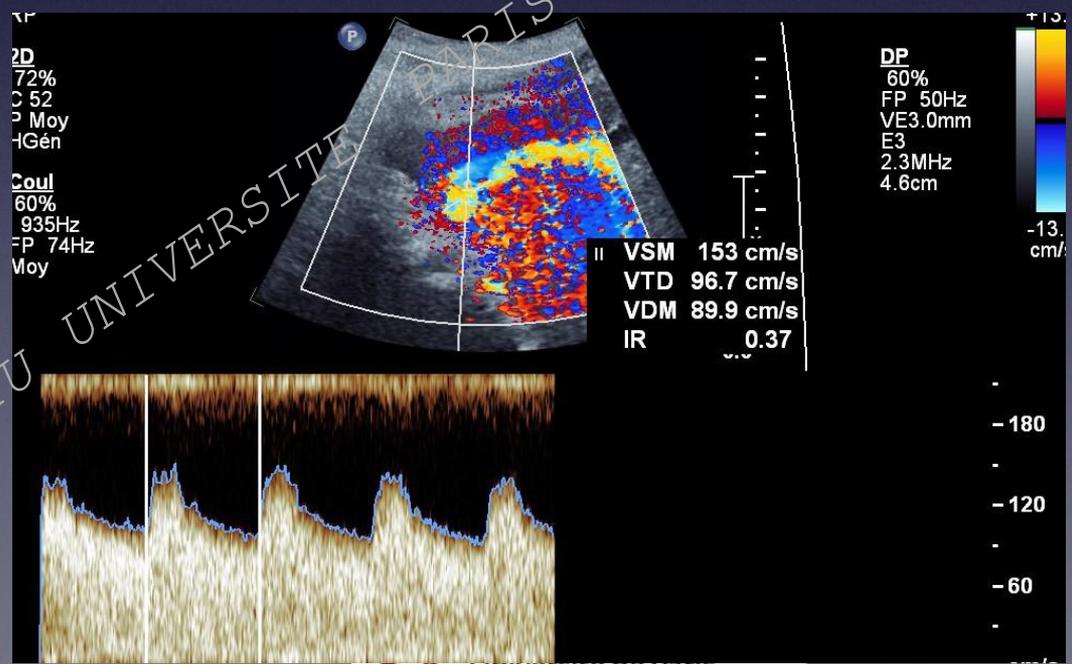
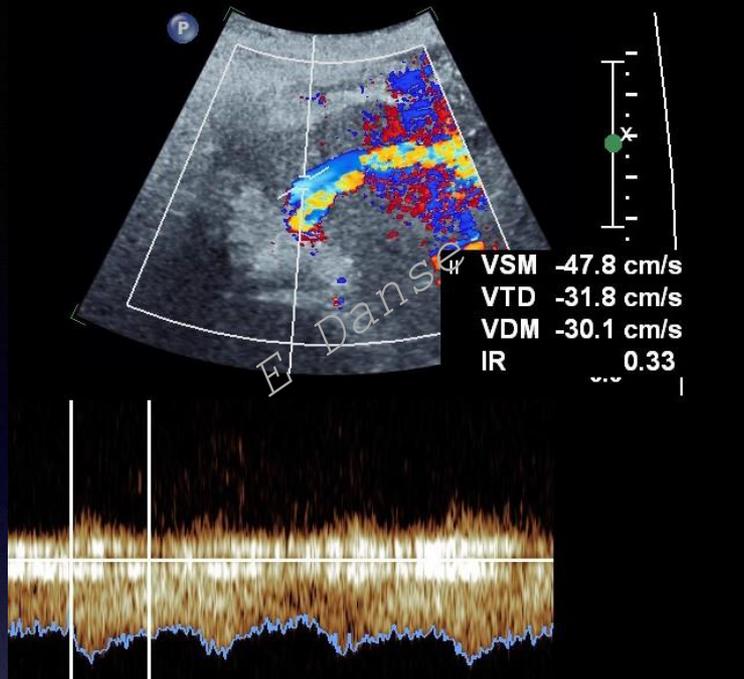
Autres

- Marsupialisation des kystes hydatiques
- TACE, embolisation portale, radiofréquence
- « Enzymite de la réanimation »
- Greffe

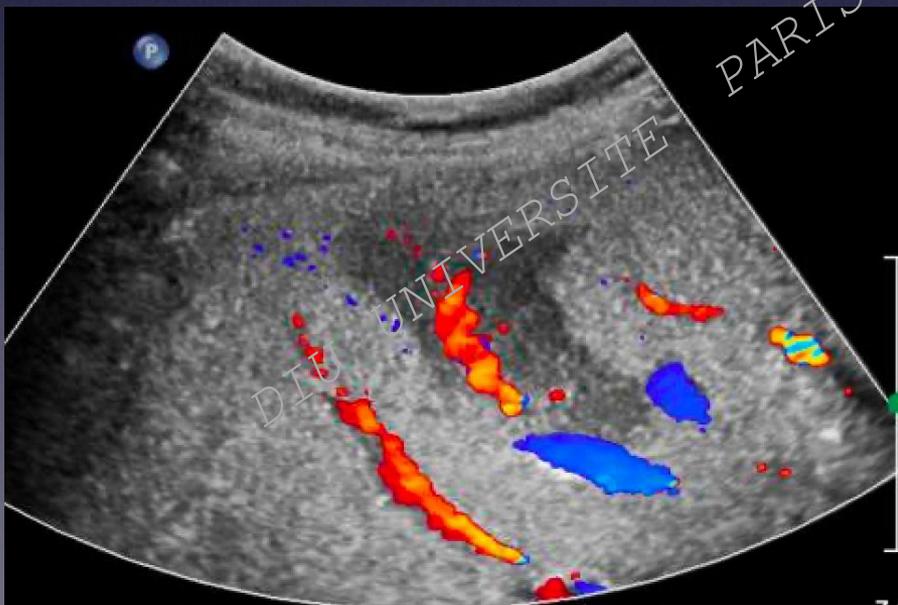
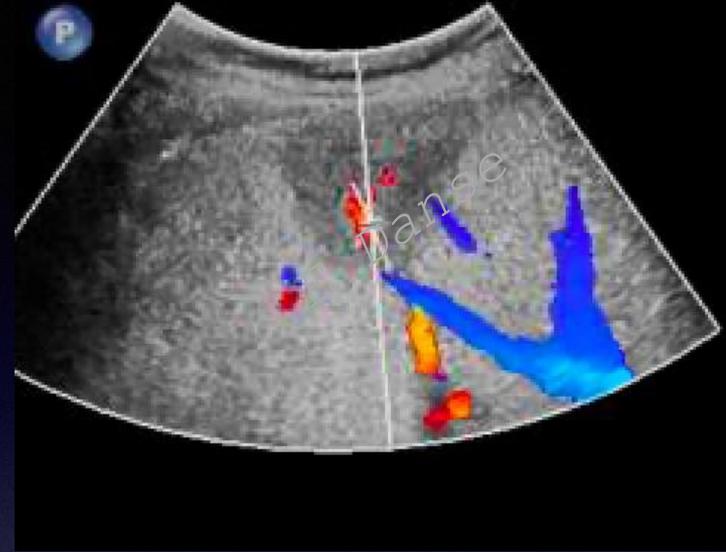


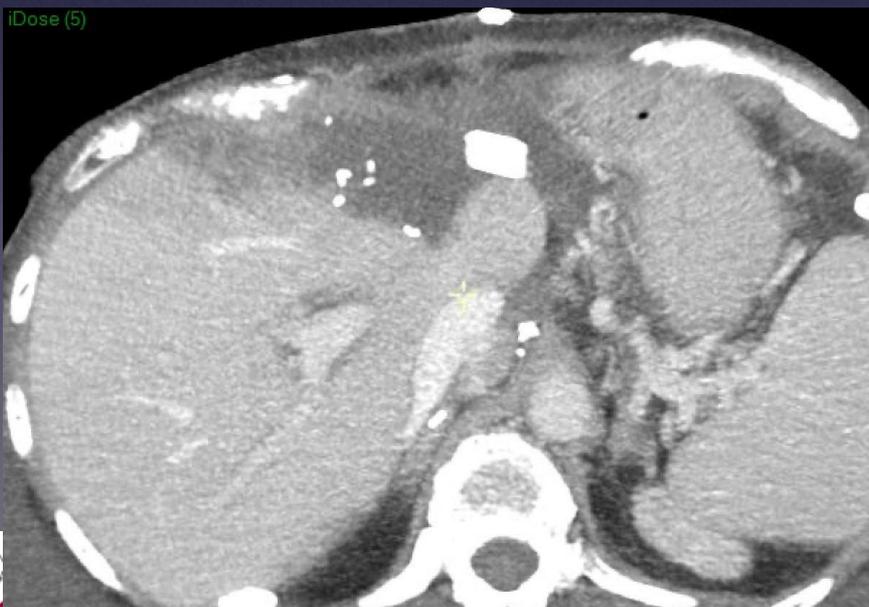
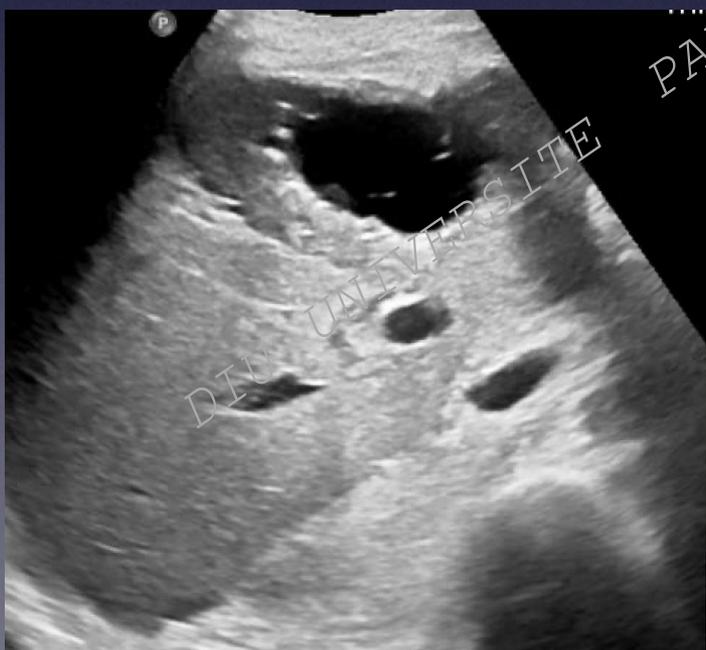
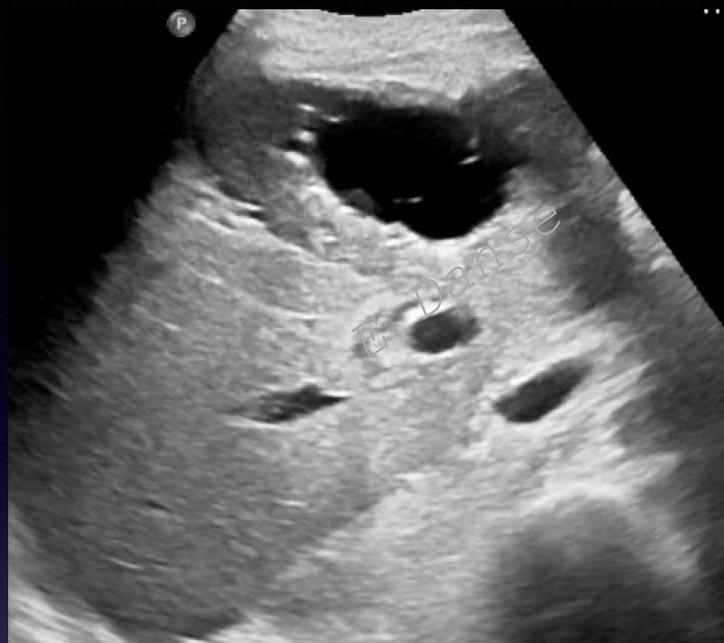
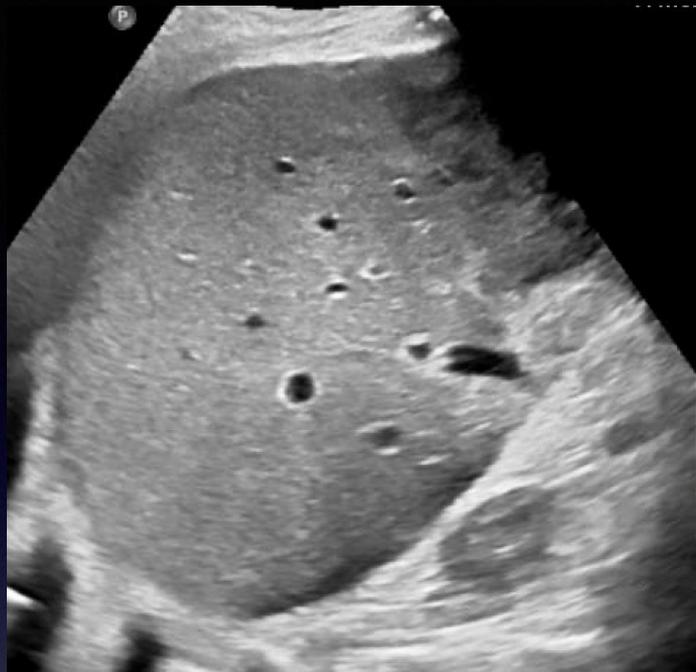






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E. Danse

L'aorte abdominale post-opératoire chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 Bruxelles
Bruxelles



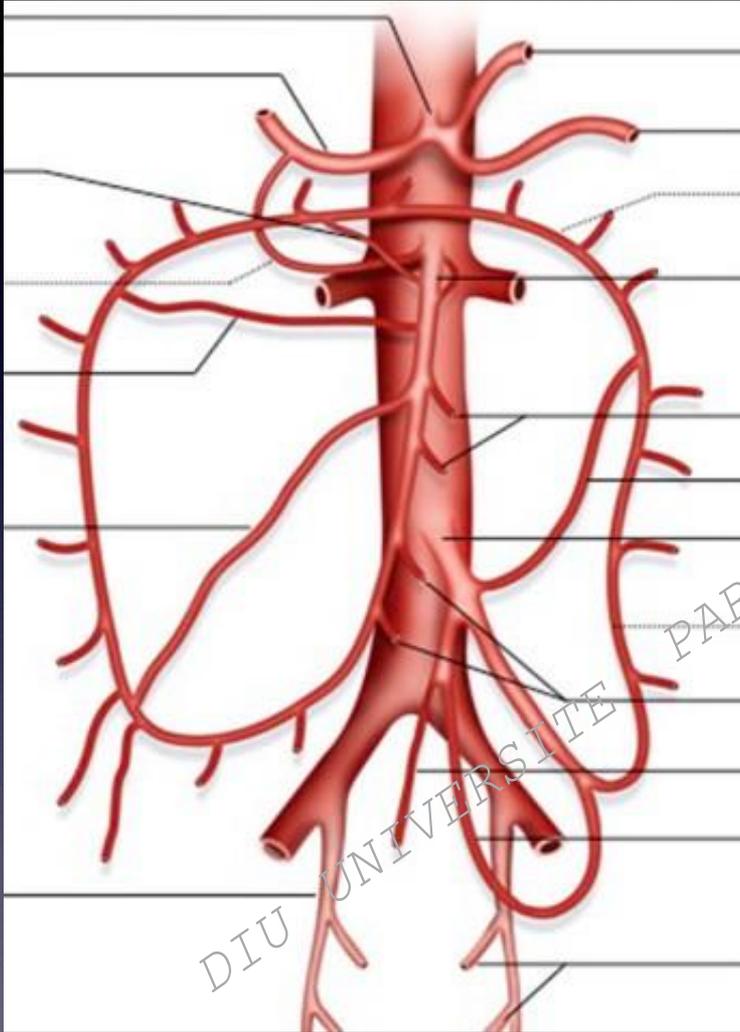
L'aorte opérée

Post cure anévrisme aortique , voie chirurgicale :

- Ischémie rénale
- Colite ischémique

Post cure endovasculaire

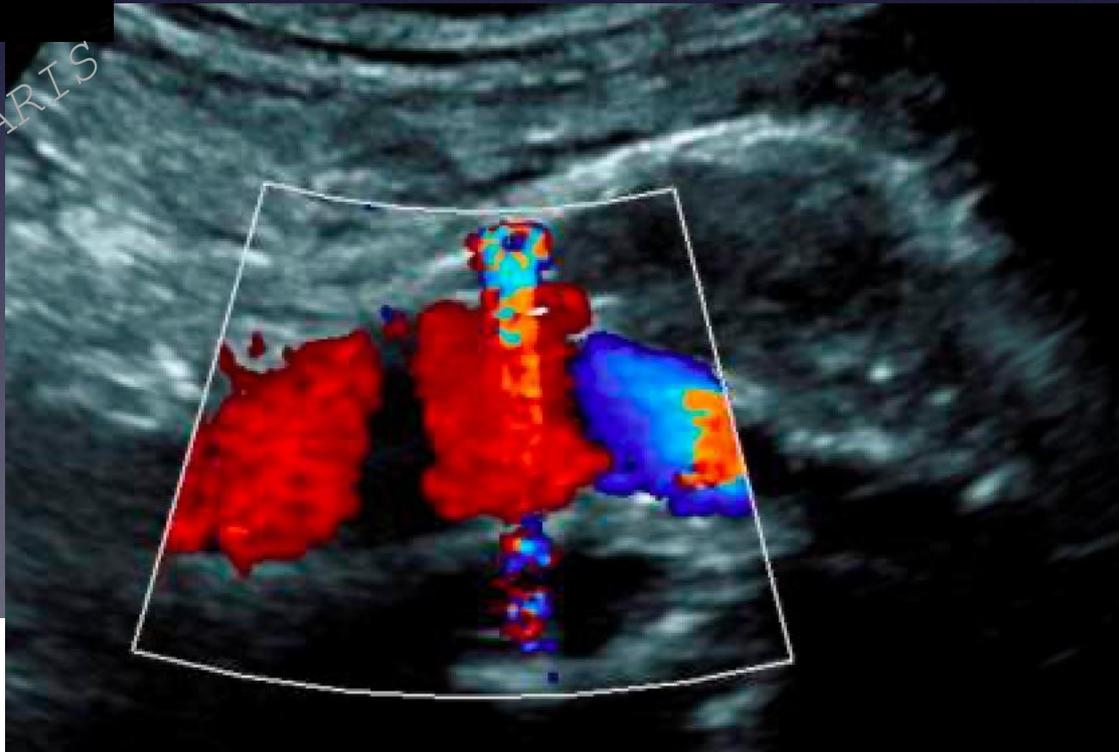
- Fuite (endoleak)

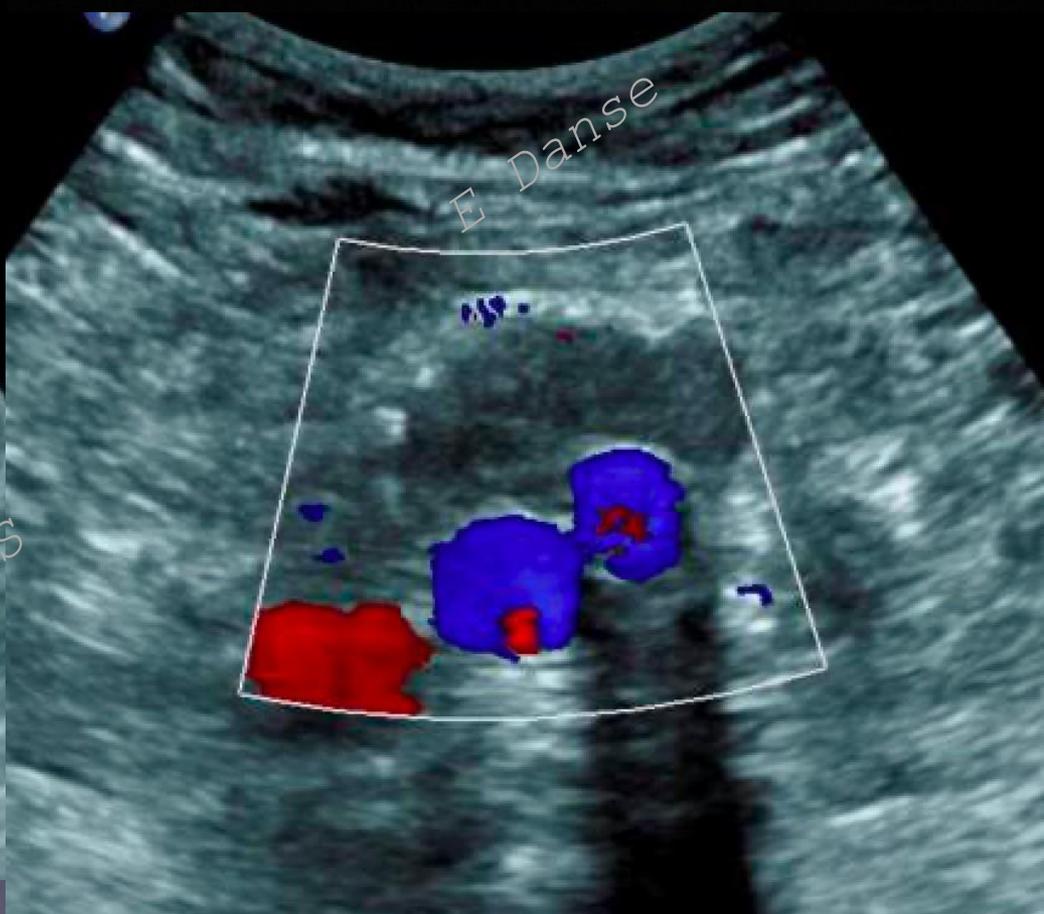




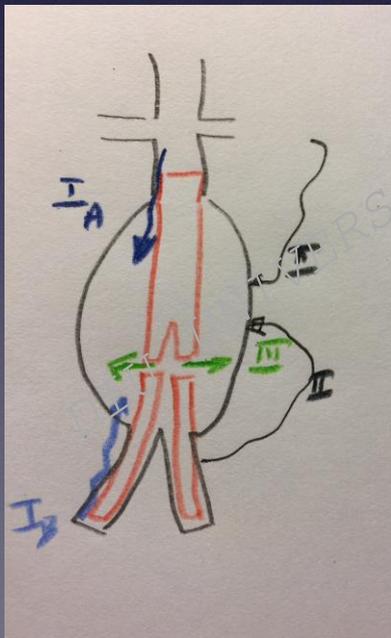
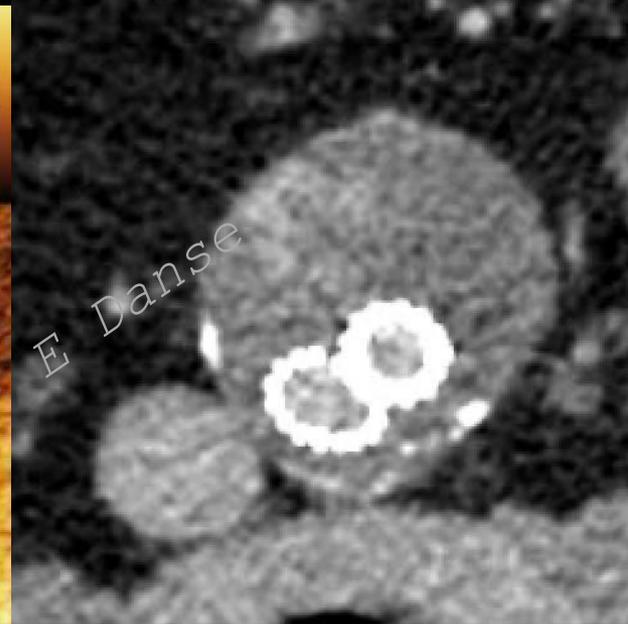
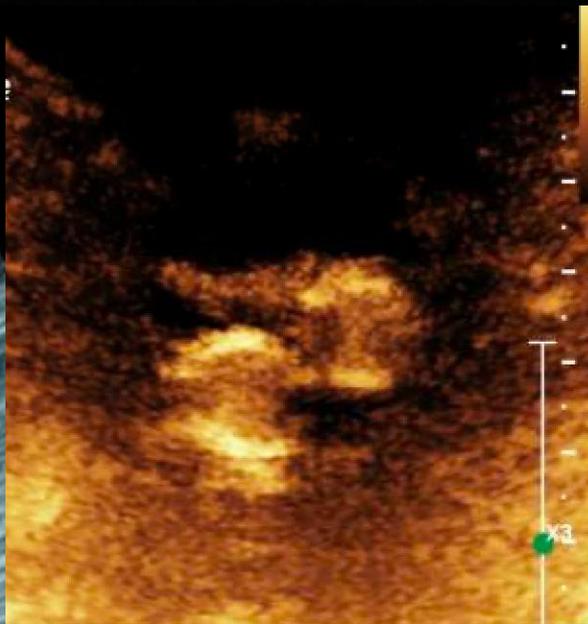
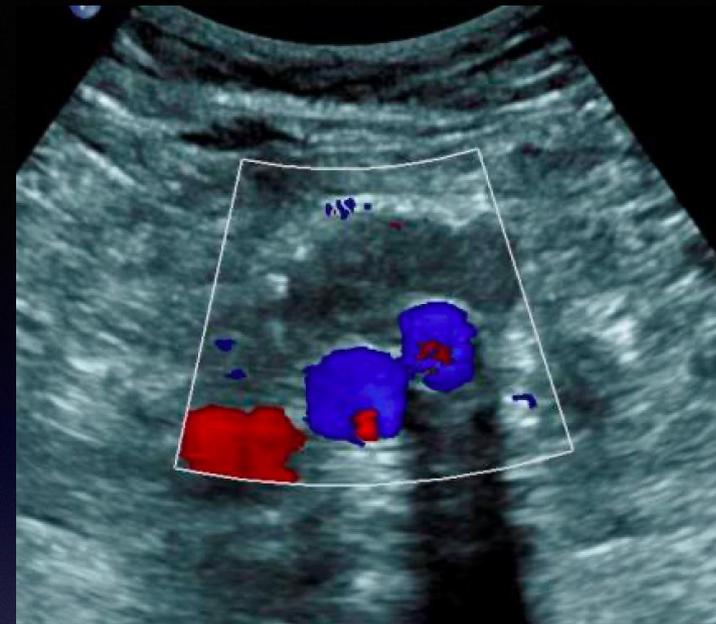
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DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2020/2021

E. Danse

Les voies urinaires en post-opératoire chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc, 1200 Bruxelles
Bruxelles



Les voies urinaires en post-op

Insuffisance rénale post-op

- Obstacle
- Affection médicale

Brèche urinaire post-op

Post-op lithiase

- Position de la sonde JJ
- Dilatation ?
- Migration du calcul

Post-op Bricker

- État des reins avant sortie
- Dilatation, complications

Post-op résection de polypes

-pseudo-cystoscopie

Post biopsie

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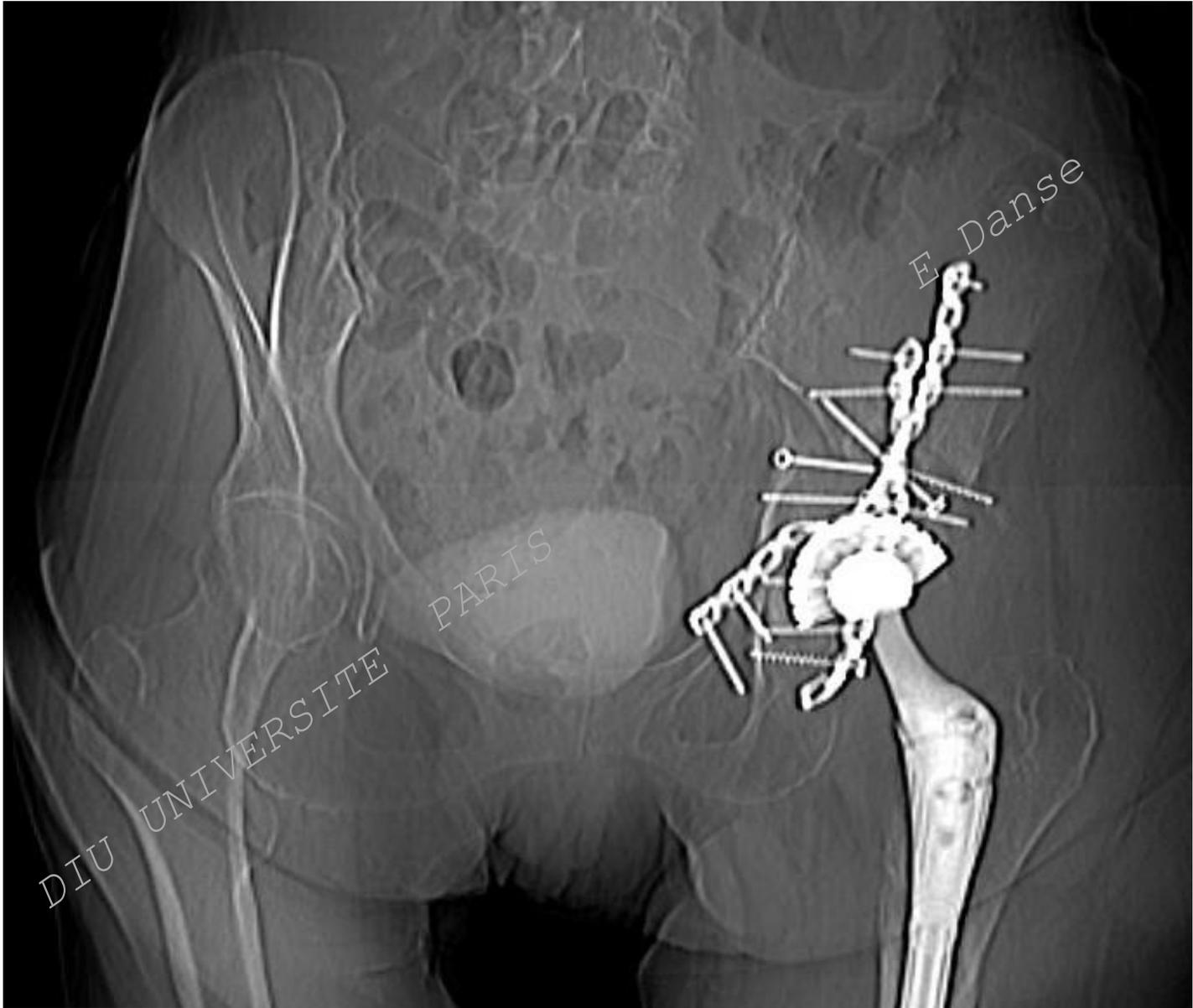


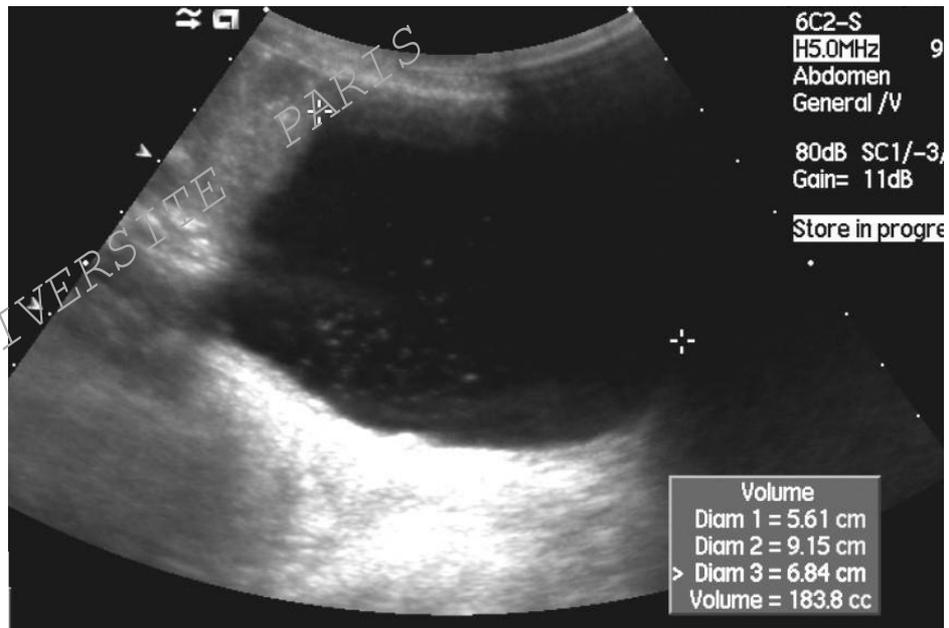
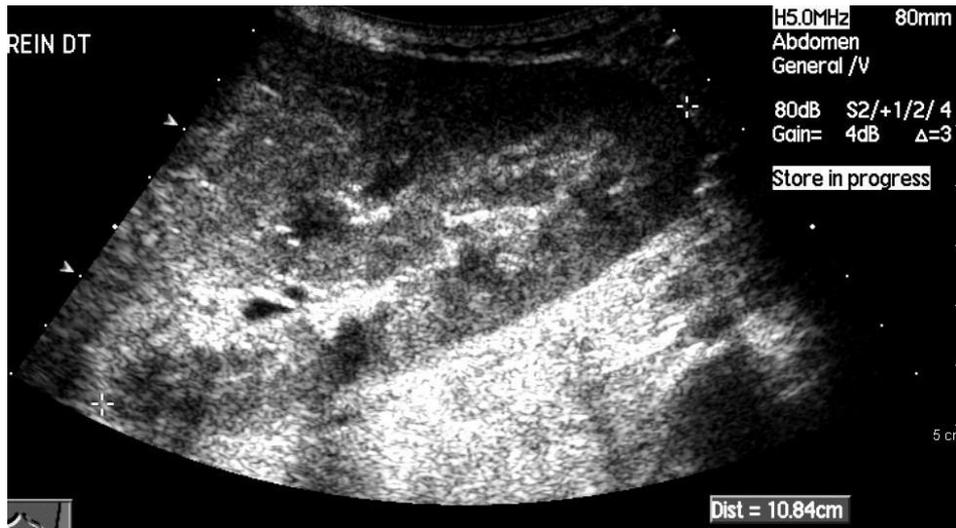
E Danse





35 minutes





vertes

UCL ST.Luc
Philips Brilliance 40
01-juin-2007 20:21:00
140kV, 207mAs
SC 500 mm
SW 3.0 mm
6.2s

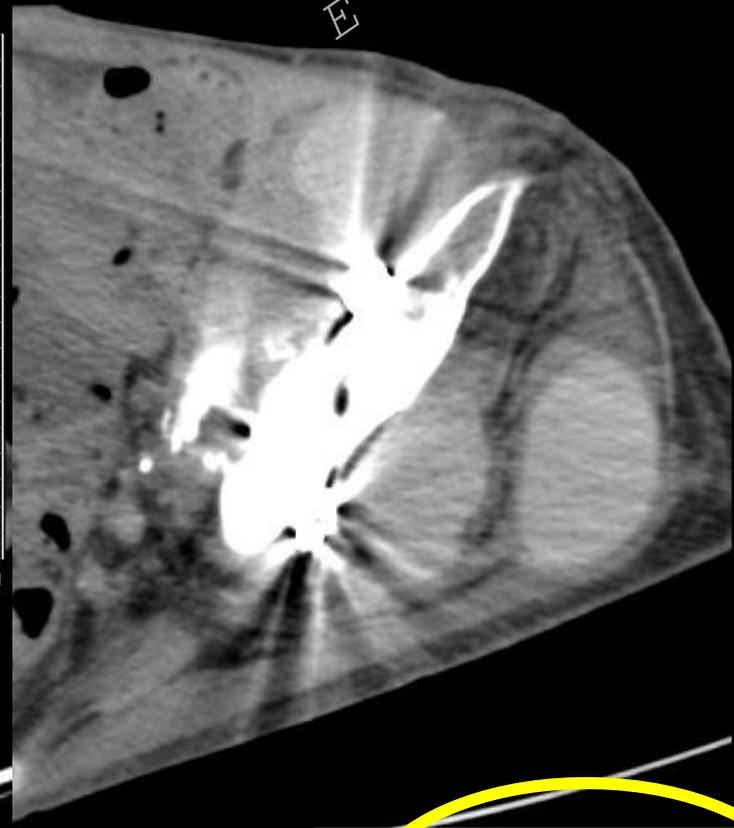
Desc. examen : CT abdomen total

E Danse



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10 cm



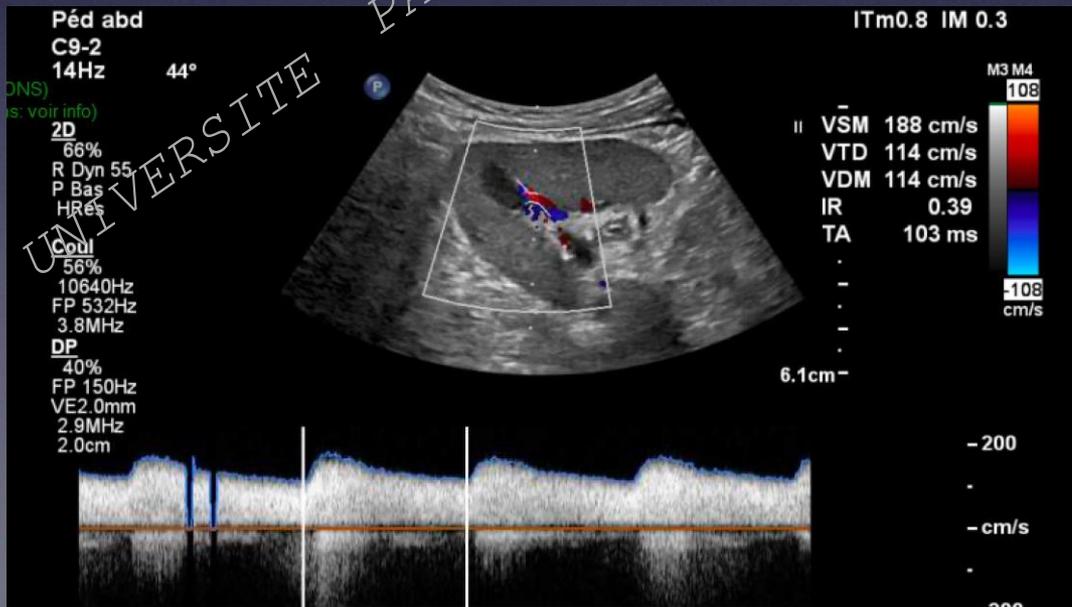
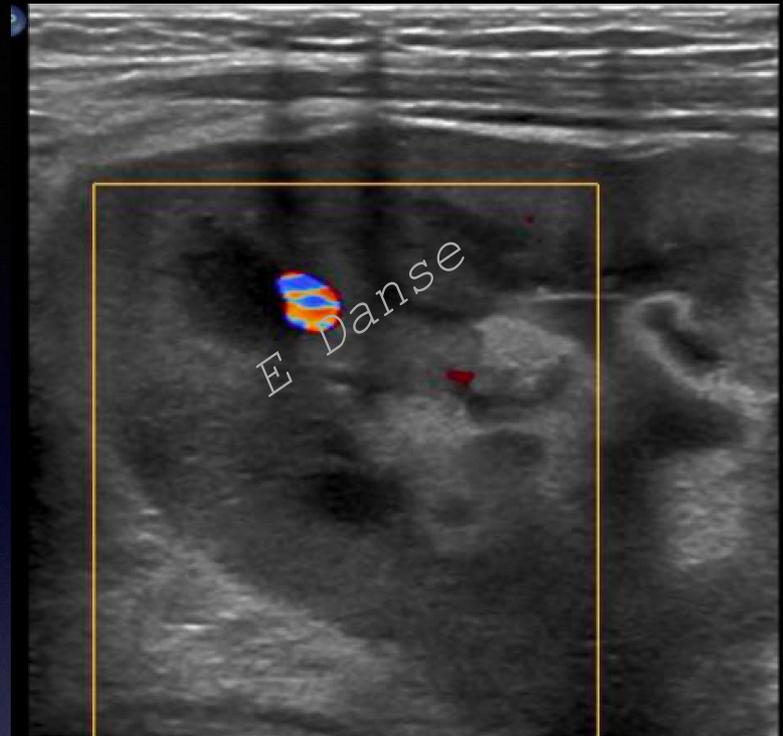
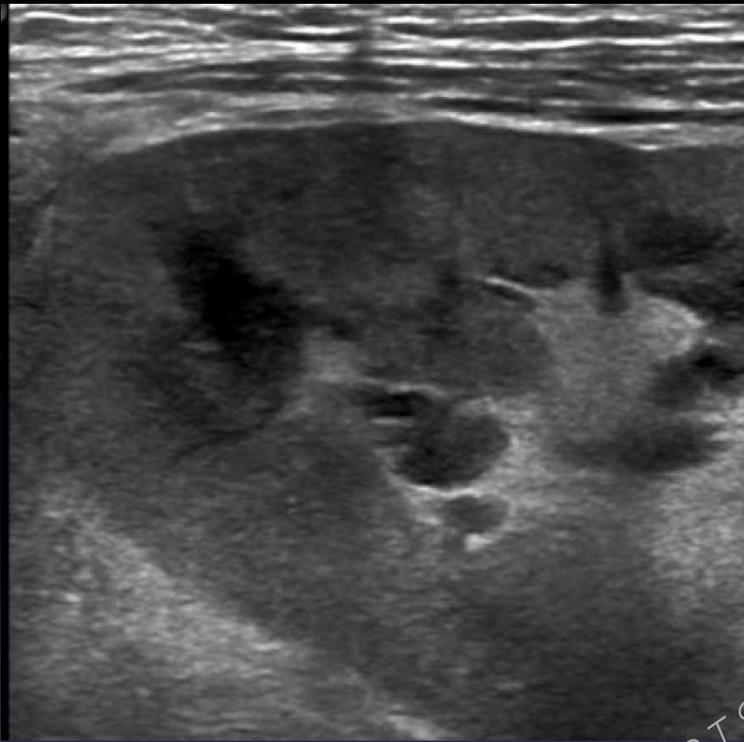
10 cm

70 – 90 sec

+ 4 hours



SCIENCES FONDAMENTALES
ET BIOMÉDICALES
Sciences
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DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2020/2021

E. Danse

Le tube digestif en post-opératoire chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc, 1200 Bruxelles



Le tube digestif en post-op

Collection, Ascite

E Danse

Pyléphlébite (et abcès hépatique)

Occlusion ou Ileus

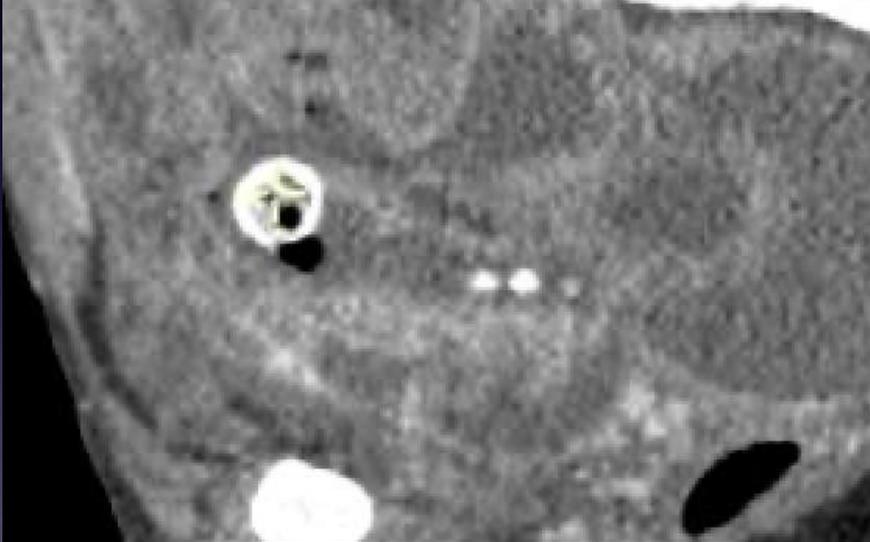
Ischémie

MICI en poussée

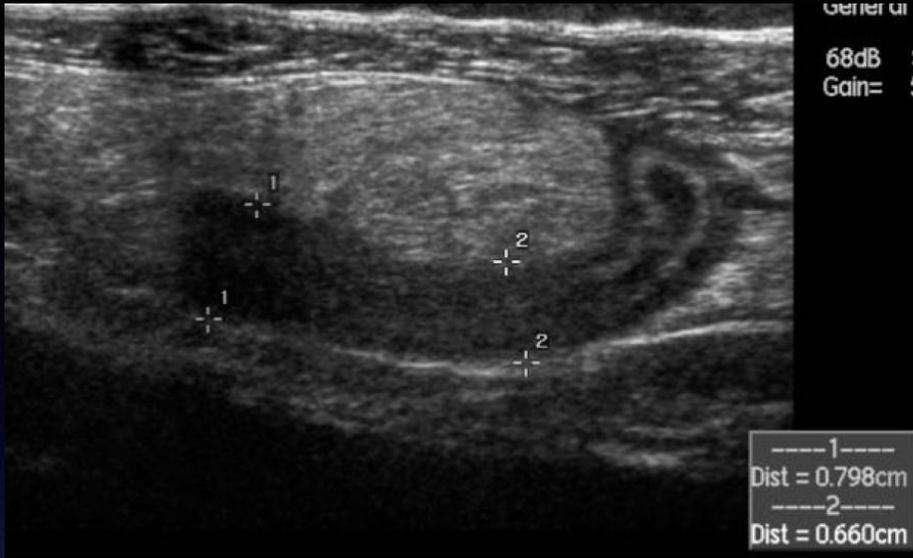


stercolithe

E Danse

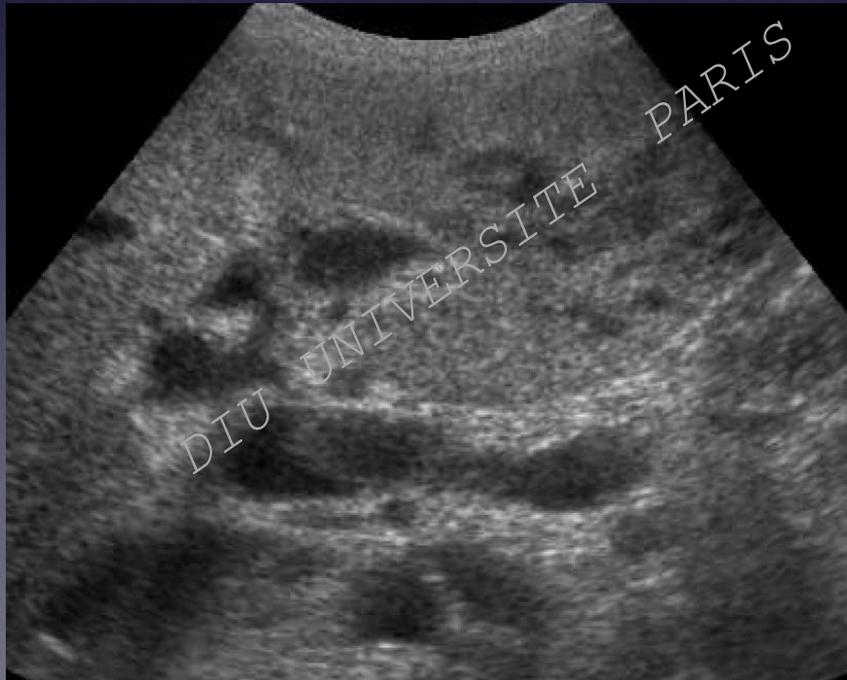
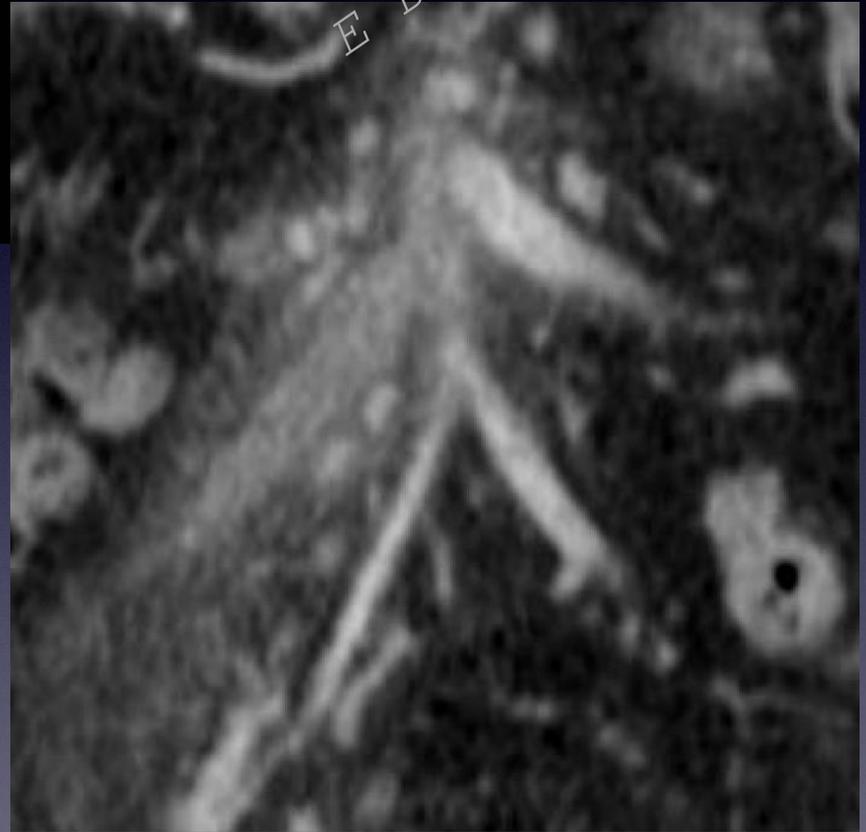


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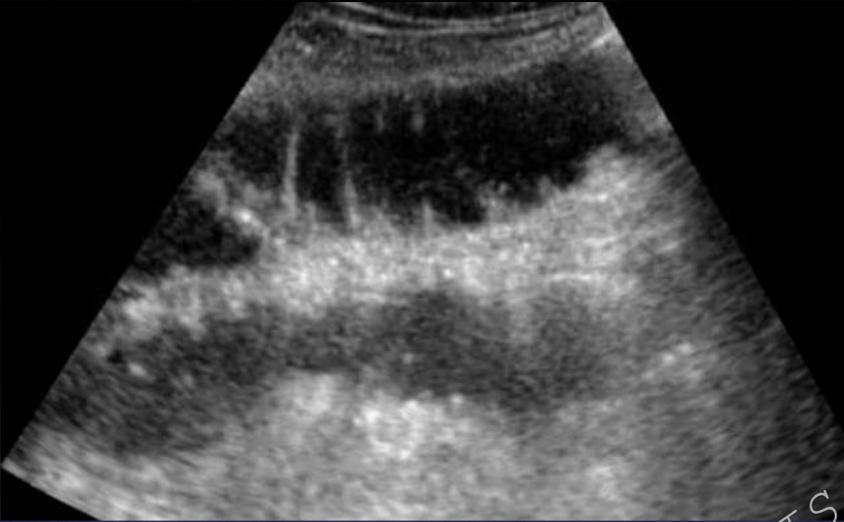


Pyléphlébite

E Danse



Occlusion sur bride



DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2020/2021

E. Danse

La cavité abdominale en post-opératoire chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc, 1200 Bruxelles



La cavité abdominale en post-op

Collections

E Danse

Compresse

Drains VP

Dialyse péritonéale et Cocoon

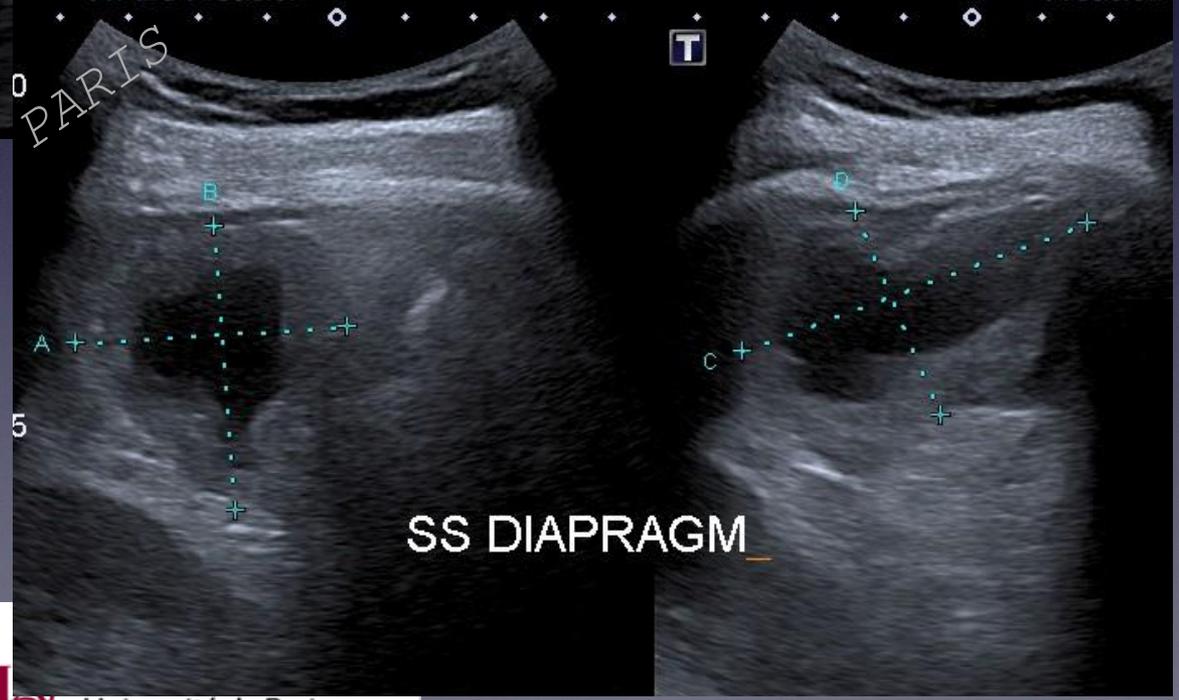
T

CUL SAC PLEURAL DT



E Danse

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Une compresse ?

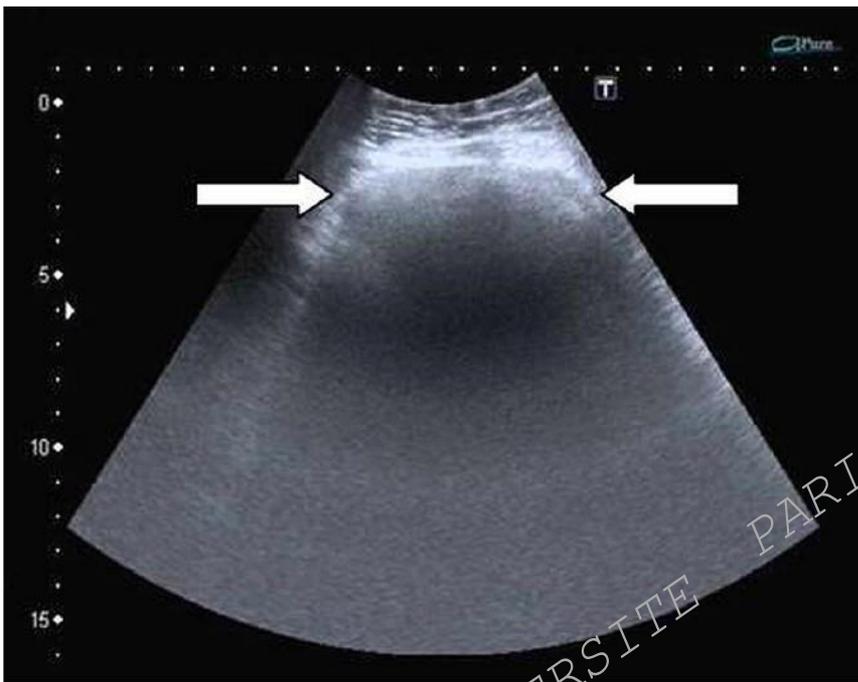


Figure 1 Transabdominal ultrasound demonstrating a hyperechoic mass with strong, sharply demarcated posterior acoustic shadowing (arrows).

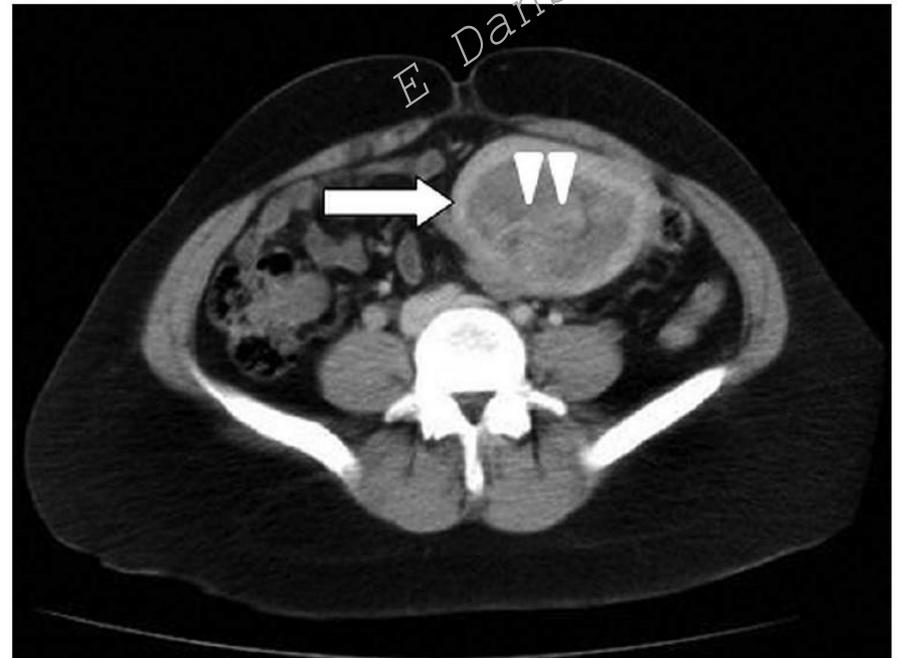


Figure 2 Abdominal CT scan showing a well-encapsulated mass with internal infolded hyperdensity (arrowheads) and peripheral contrast enhancement in the left lower quadrant (arrow).

Yildirim A, et al. *BMJ Case Rep* 2014. doi:10.1136/bcr-2014-204330



<https://onlinelibrary.wiley.com/cms/attachment/87a4e545-16d0-48b2-b696-3cdc71aad609/jum2003227719-fig-0001-m.jpg>



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