

DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



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

DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



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 ?

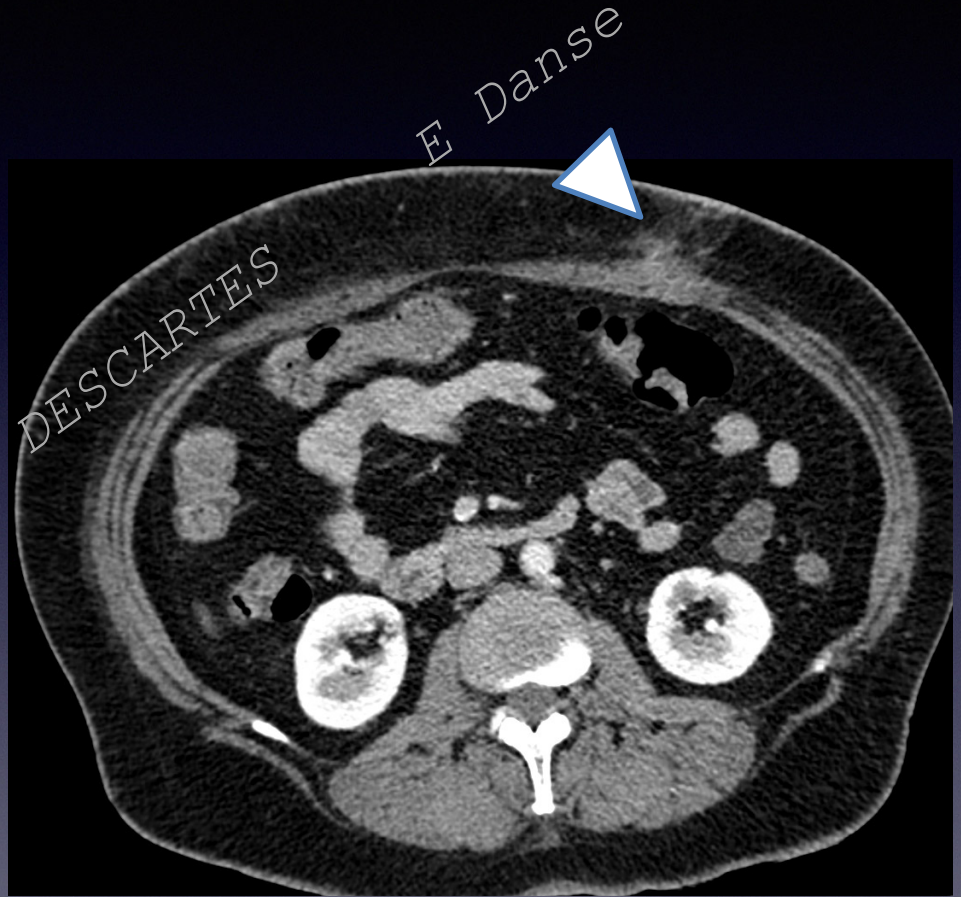
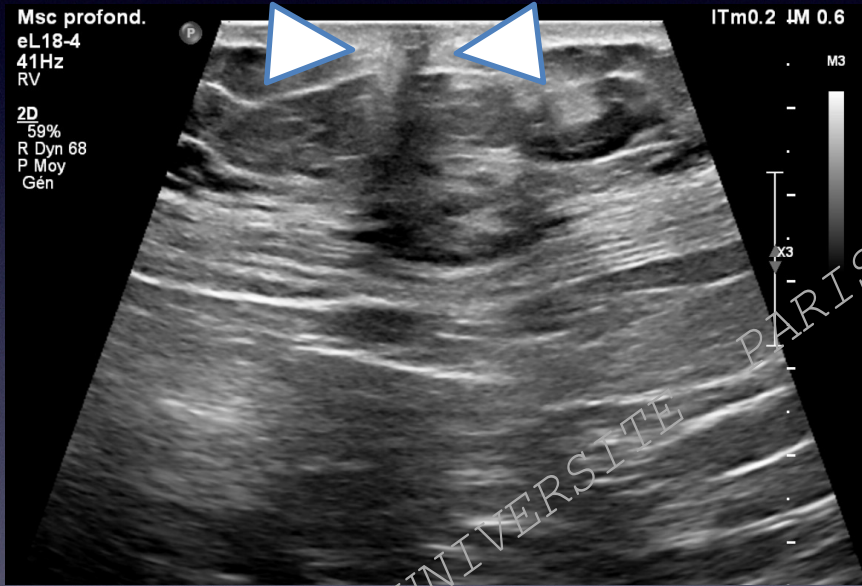
⇒ Corps étrangers

DIU UNIVERSITÉ

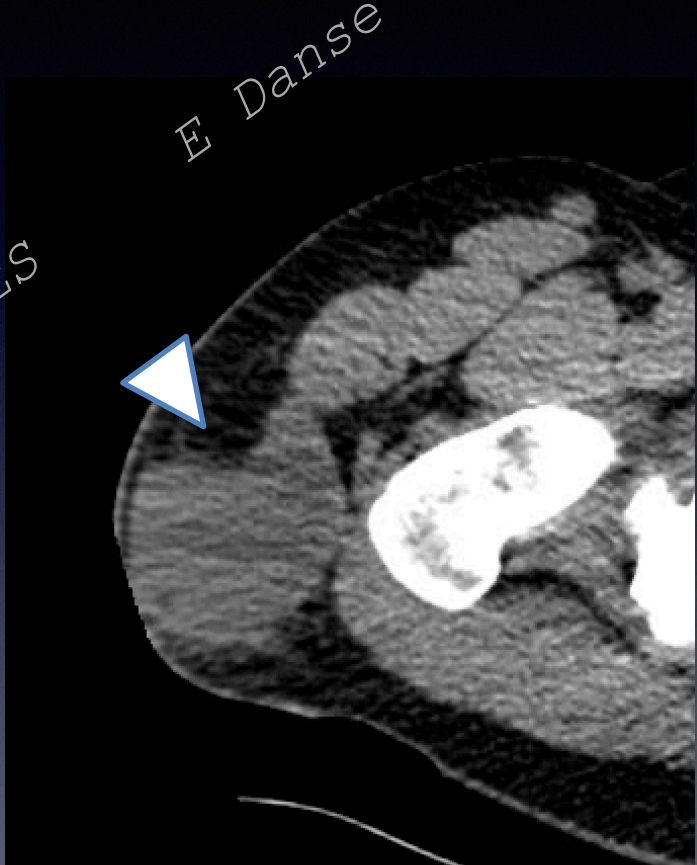
PARIS DESCARTES

E Danse

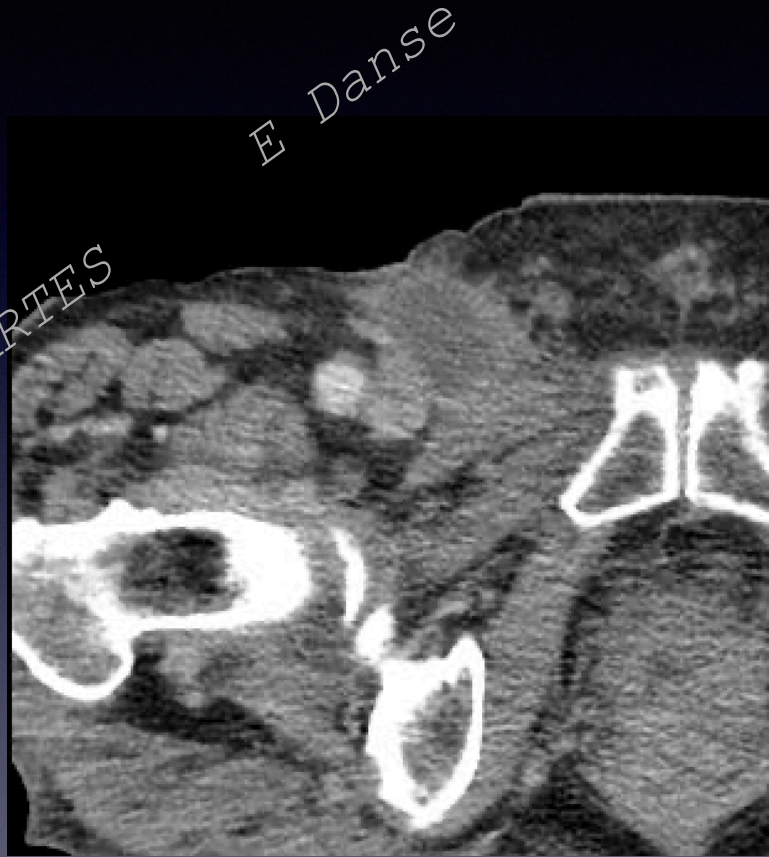
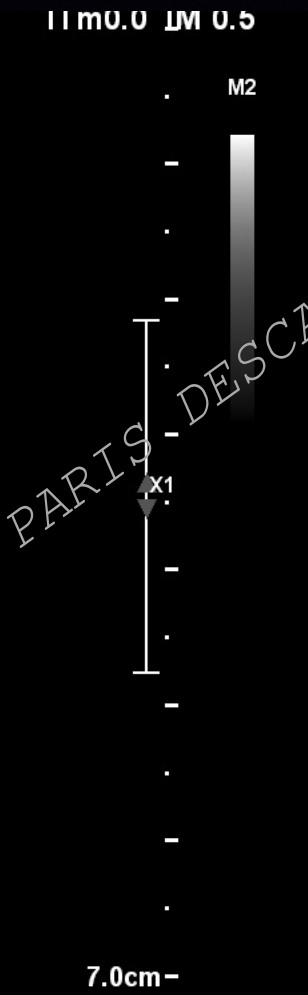
Infiltration de la paroi



Collection pariétale

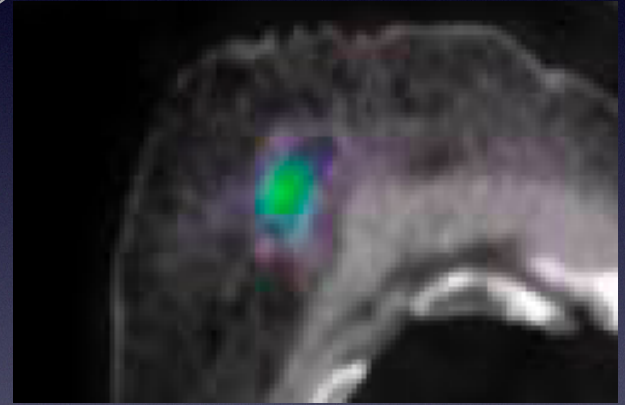


Lymphocoèle

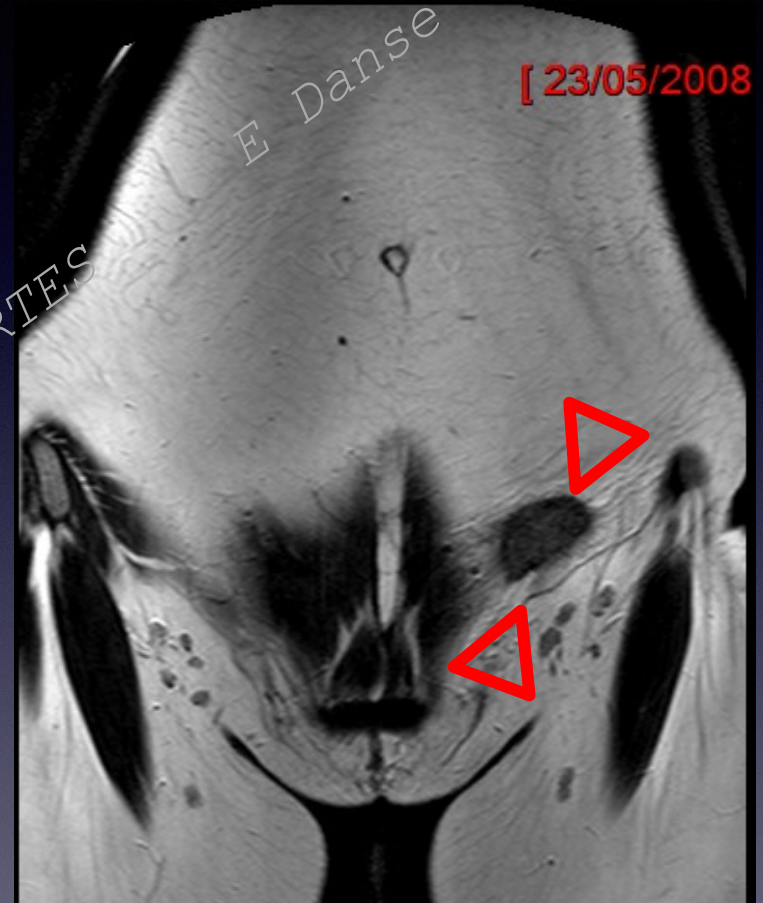
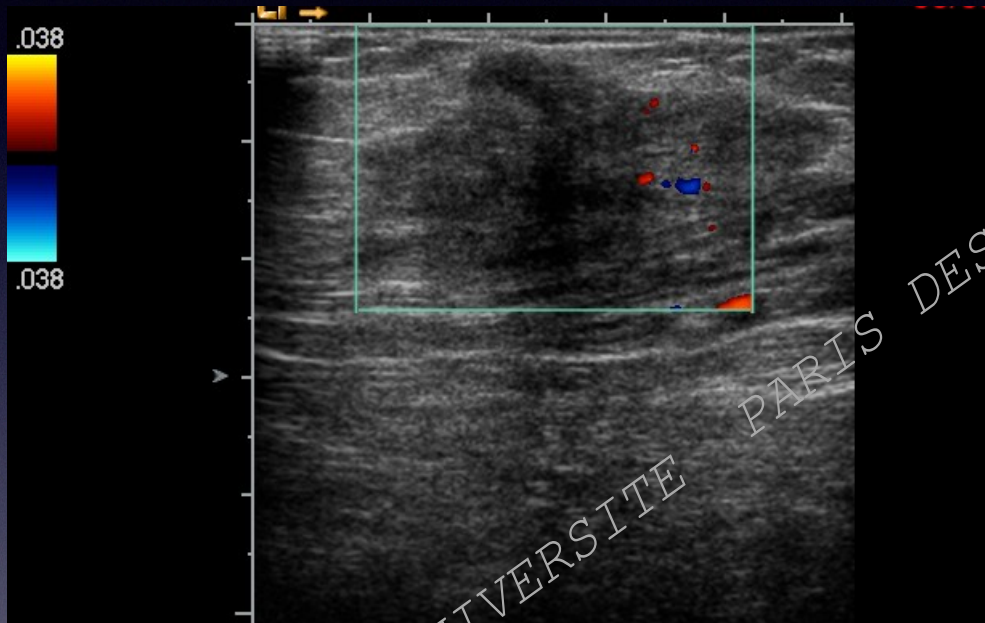


Lymphocœle

E Danse



Endométriose vs tumeur desmoïde vs ???



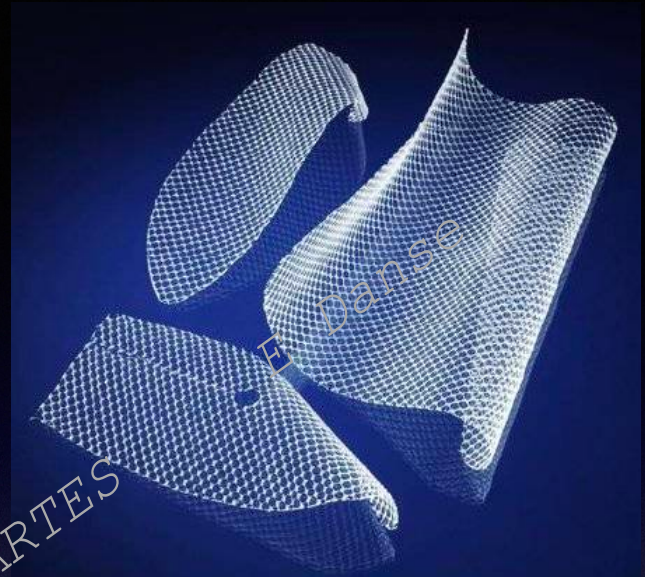
Paroi abdominale opérée

Cure de Hernie

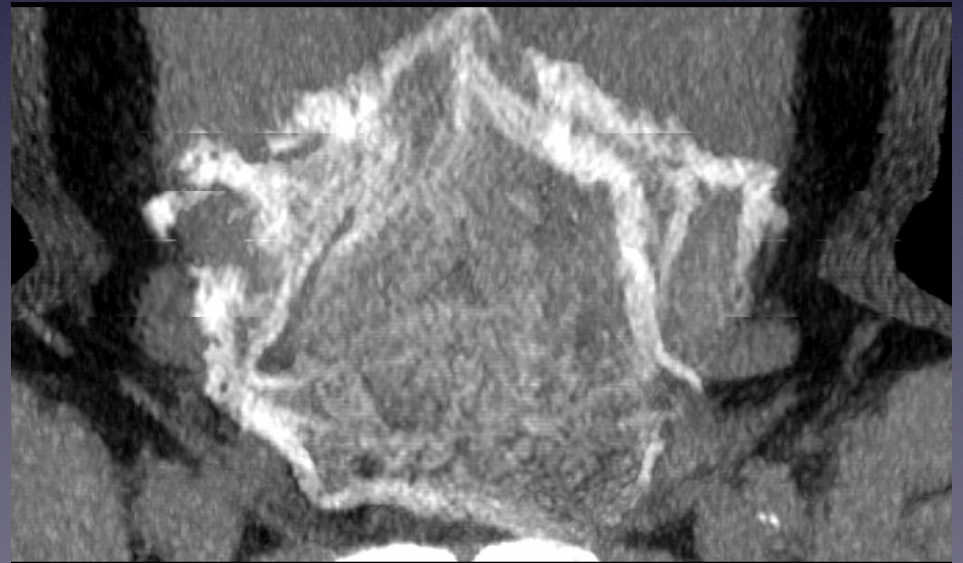
- ⇒ Collection ?
- ⇒ Désinsertion du matériel ?
- ⇒ Tolérance du matériel ?
- ⇒ Complication du matériel ?

DIU UNIVERSITÉ PARIS DESCARTES

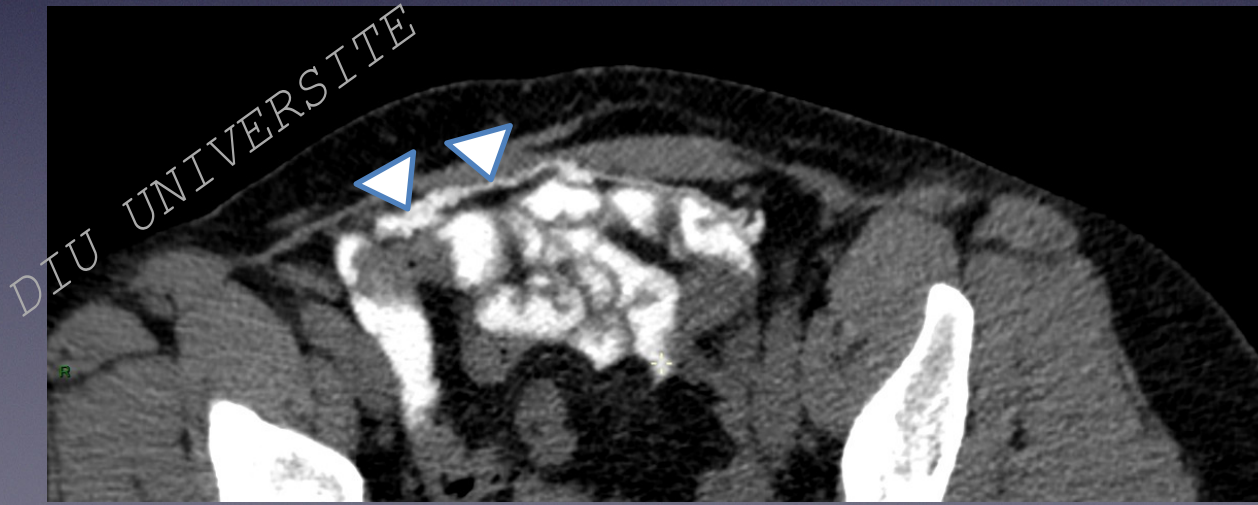
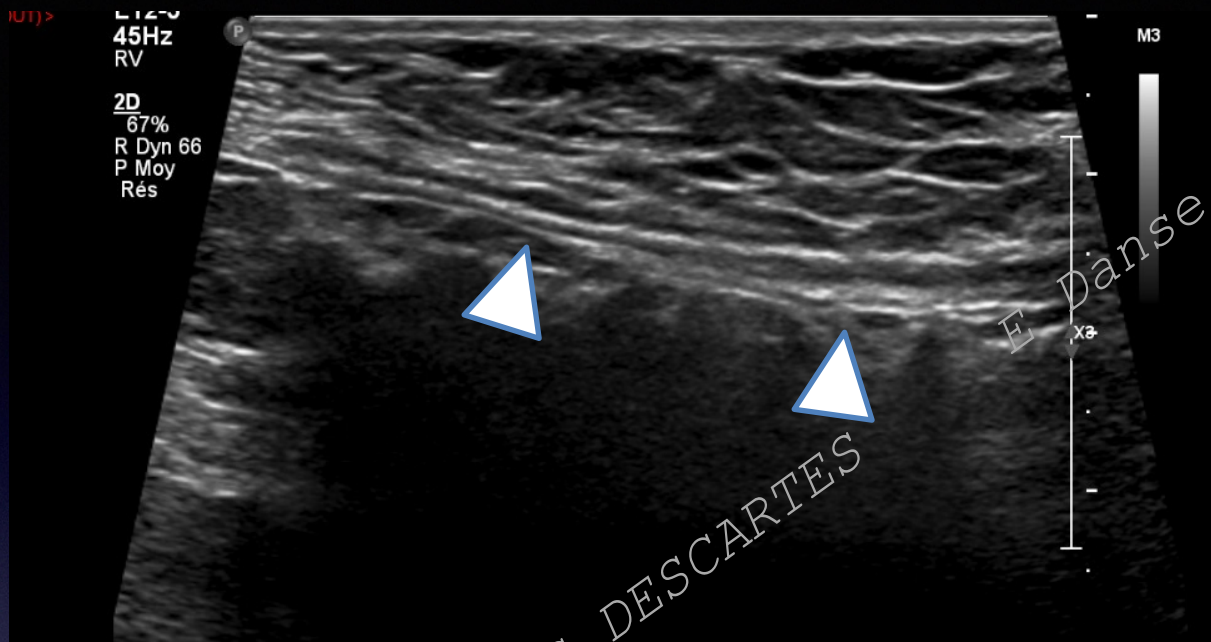
E. Danse

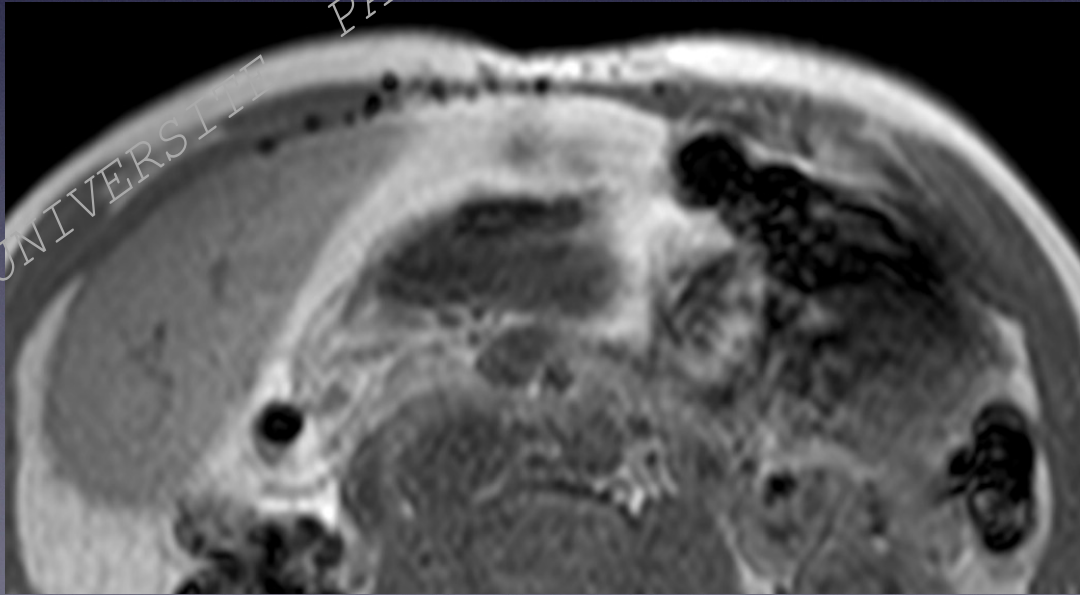
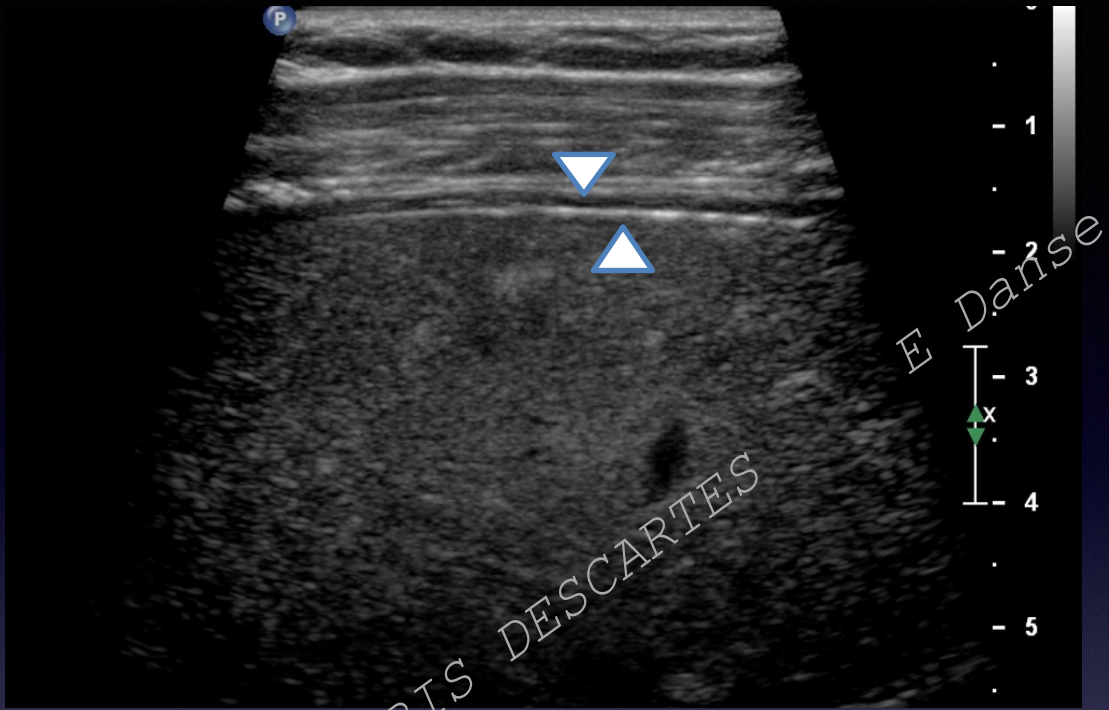


https://www.chirurgiemarseille.com/public/img/big/DAVOL703363JPG_5bef012d1653b.JPG



DIU UNIVERSITE PARIS DESCARTES





Meshome



Ischémie testiculaire

C. Dellabianca et al.

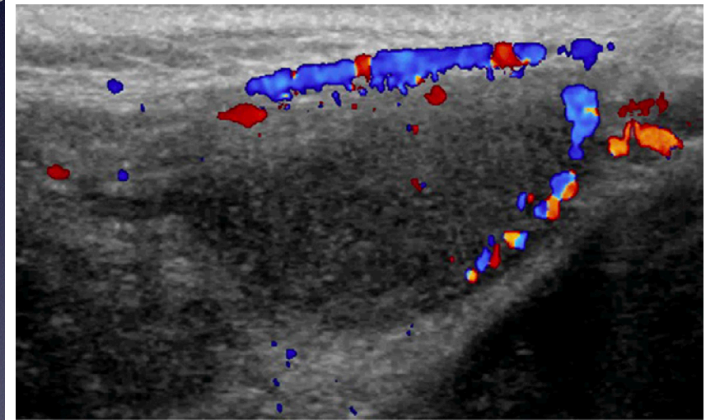
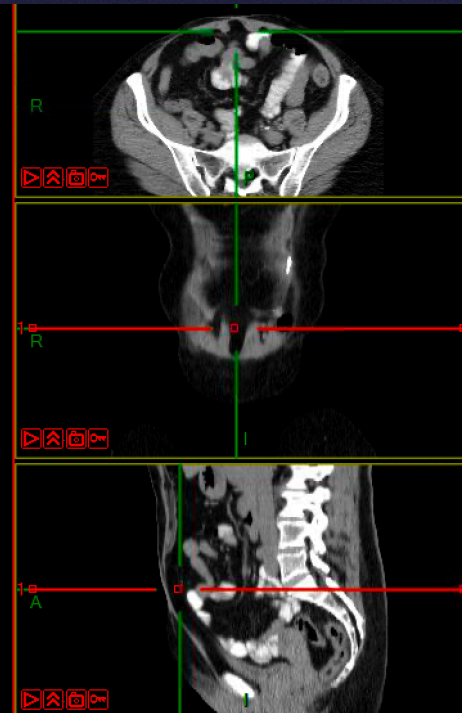
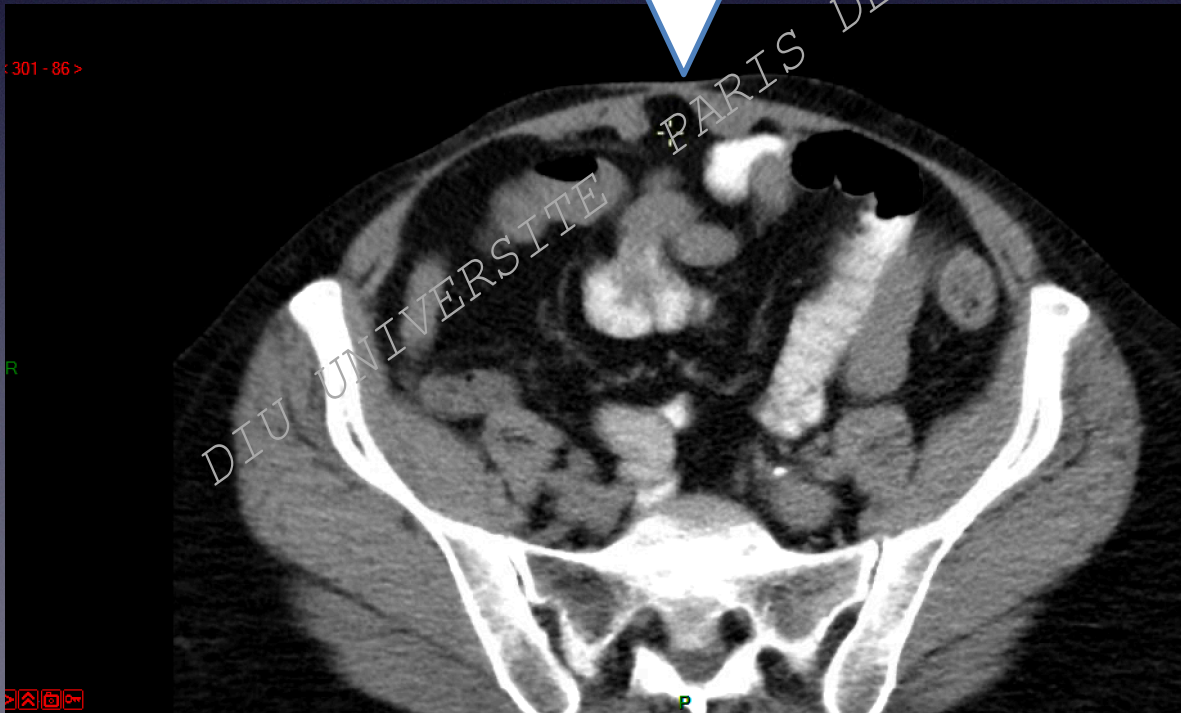
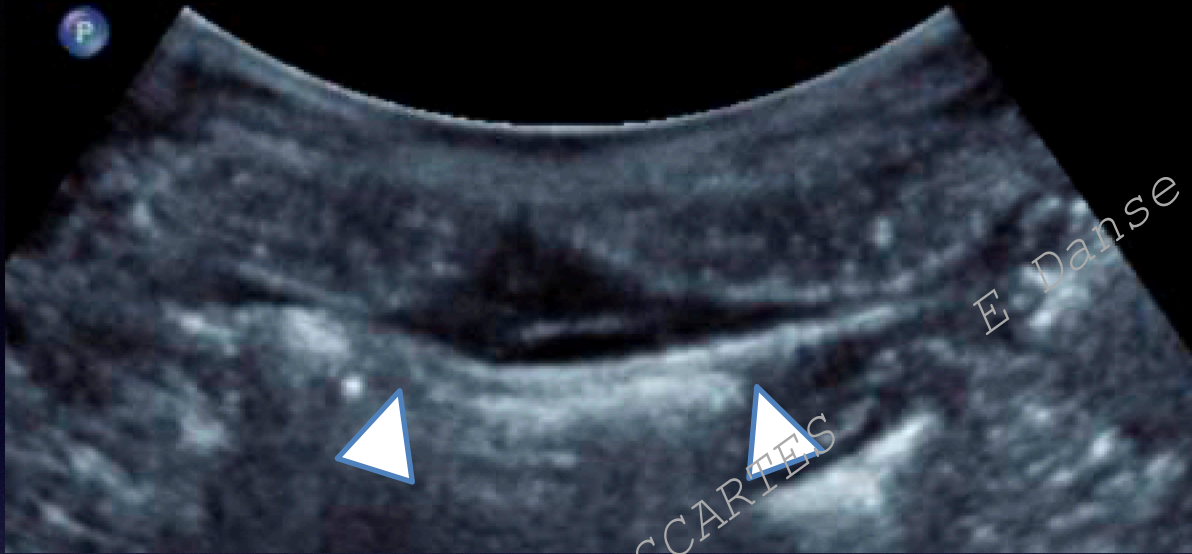
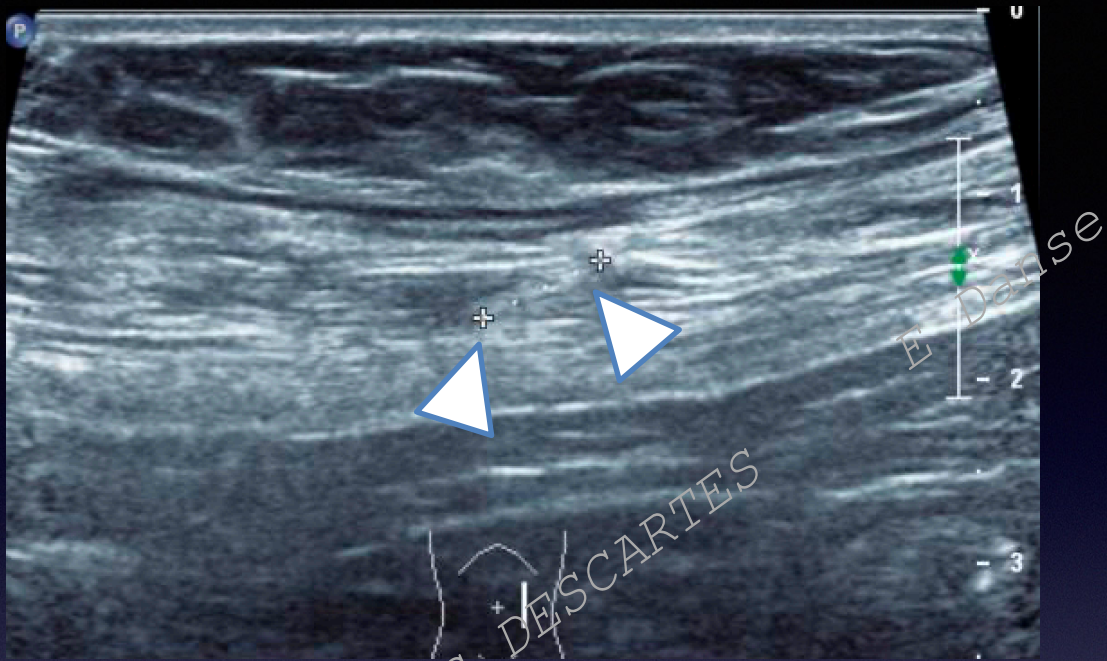


Figure 2 Testicular ischemia as hernia repair complication. On color Doppler there is a complete lack of intratesticular vascular signal and cremasteric vessel hypertrophy.

Parviz K. Amid, MD

Journal of Ultrasound (2011) 14, 205–207

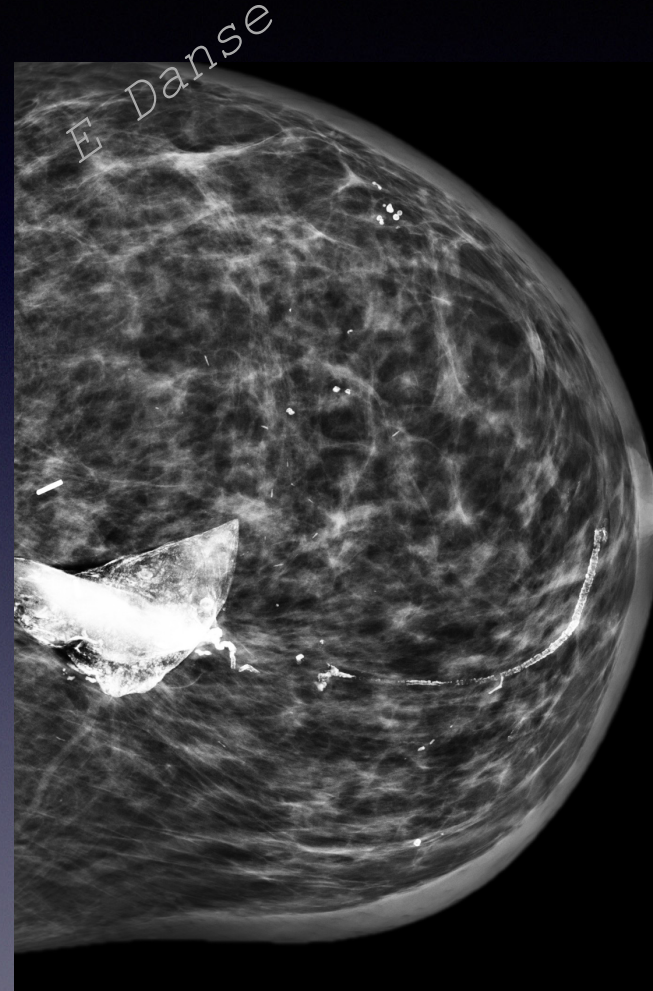
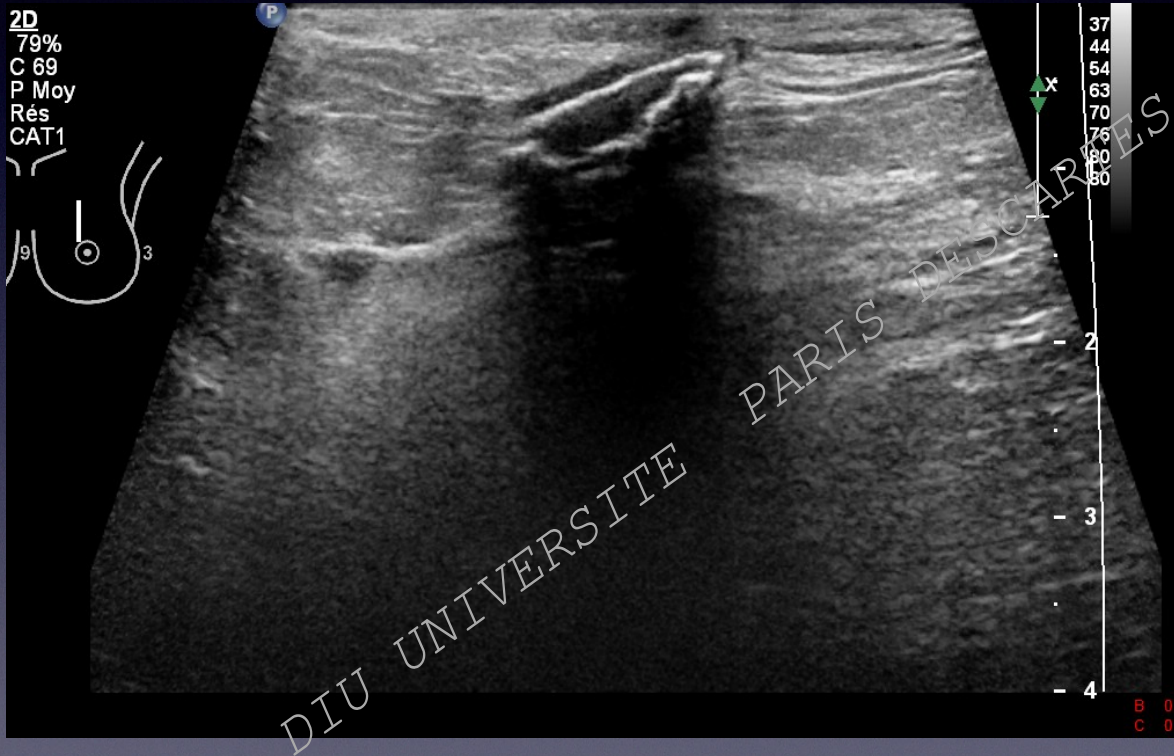




Un fil ?



Une compresse ?

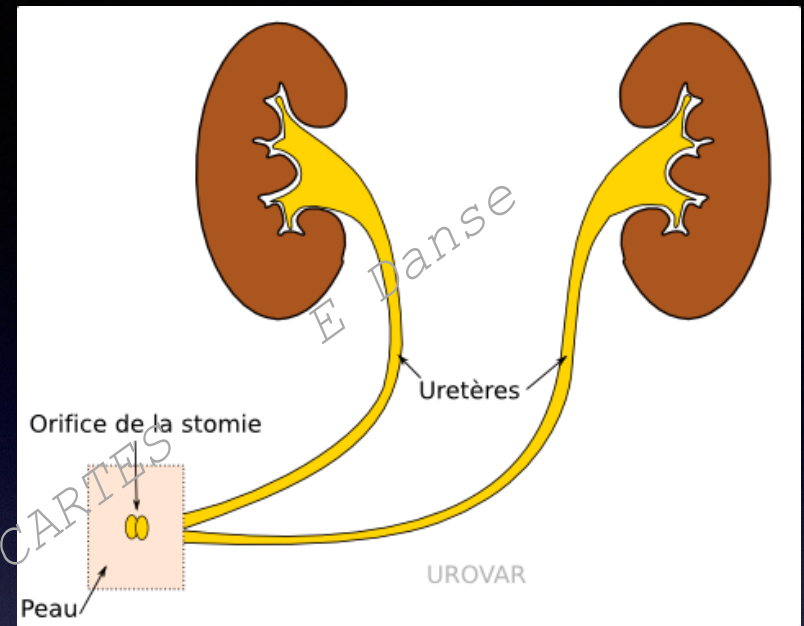


Paroi abdominale opérée

Stomie (Bricker, Iléostomie/colostomie)

- ⇒ Collection ?
- ⇒ Hernie parastomiale ?
- ⇒ Inflammation / sténose
- ⇒ Obstacle

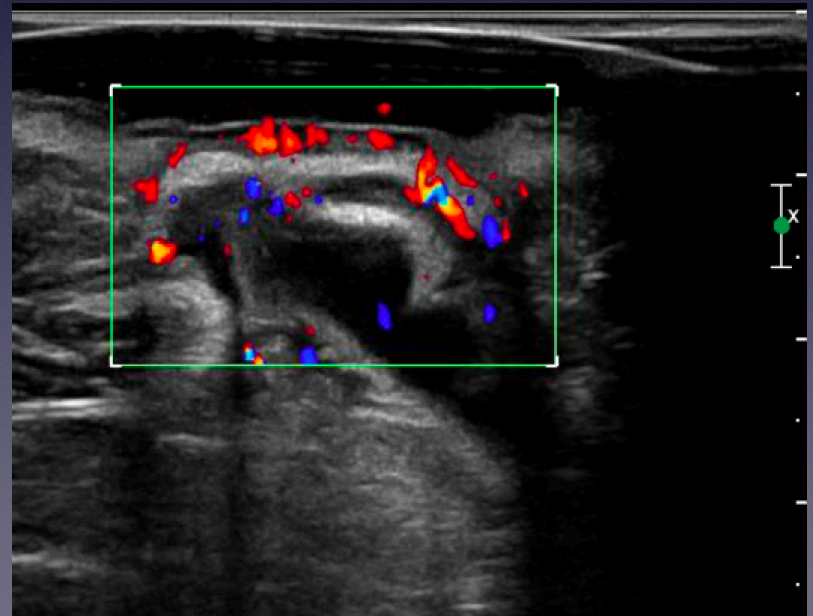
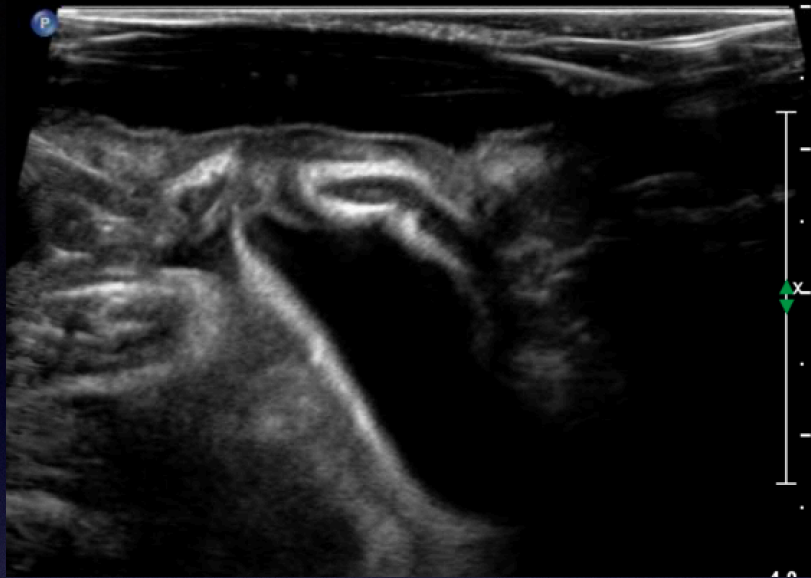
Bricker

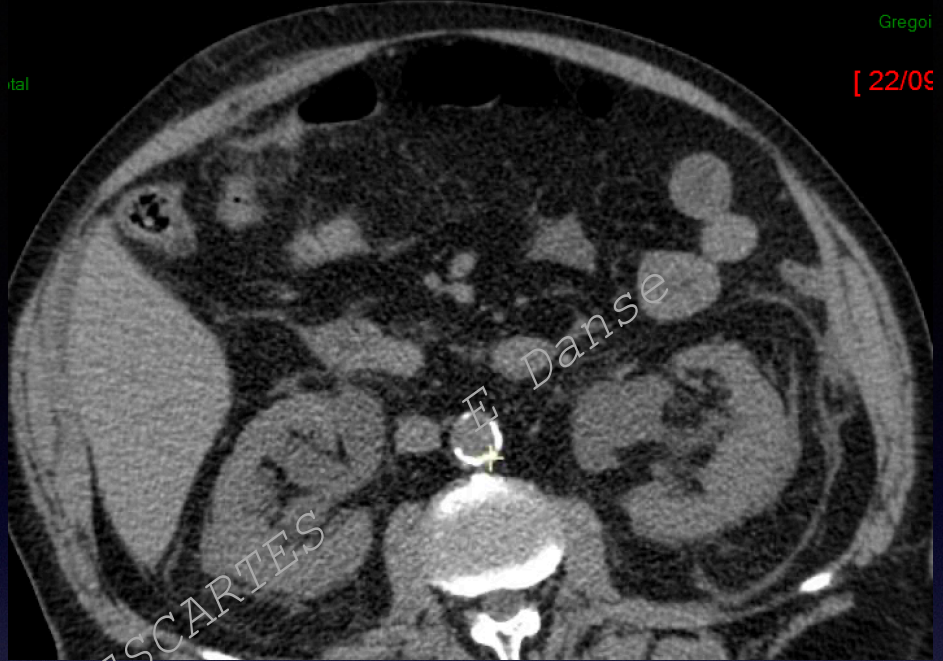


https://urovar.fr/images/_images/Derivations-U2.png

[https://assets.aboutkidshealth.ca/akhassets/IMD_ostomy_pouch_FR.png?](https://assets.aboutkidshealth.ca/akhassets/IMD_ostomy_pouch_FR.png?RenditionID=10)

RenditionID=10





Gregoi

[22/09



Gregoire, Corinne 12

[22/09/2008 19

Philip

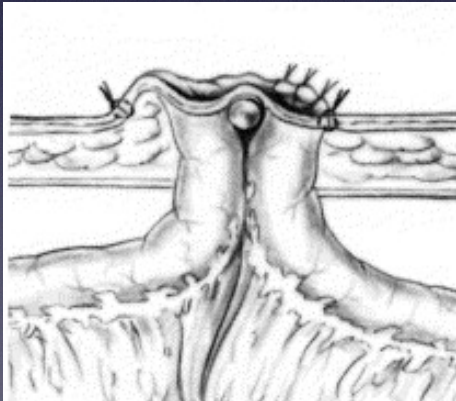
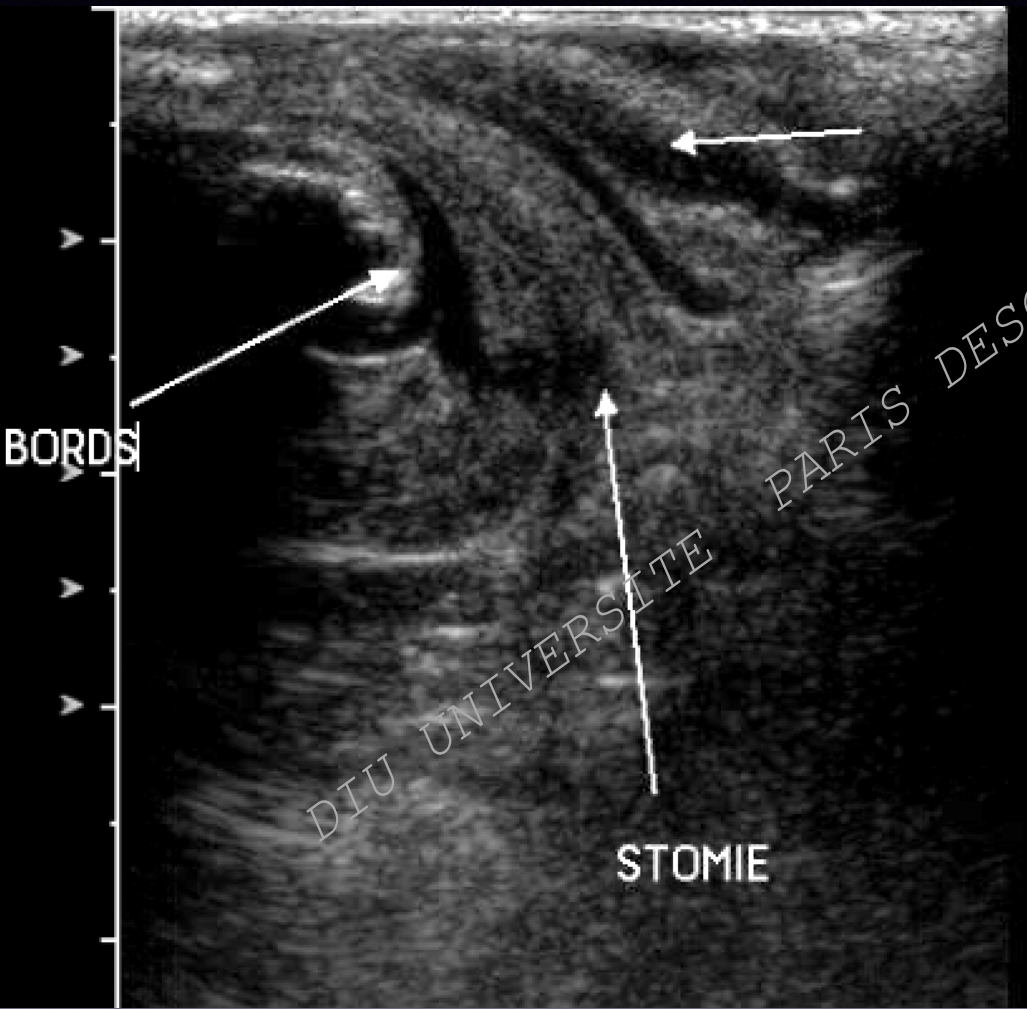
12



DTU UNIVERSITE

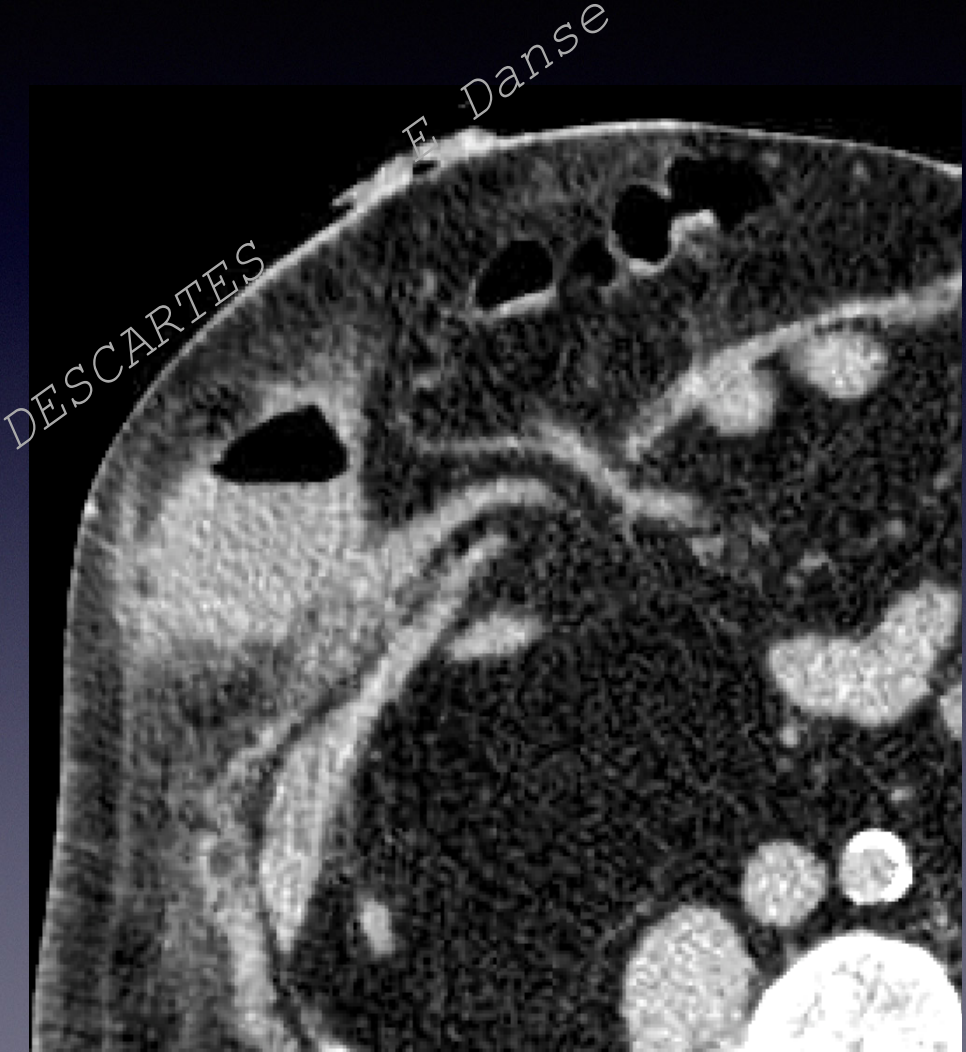
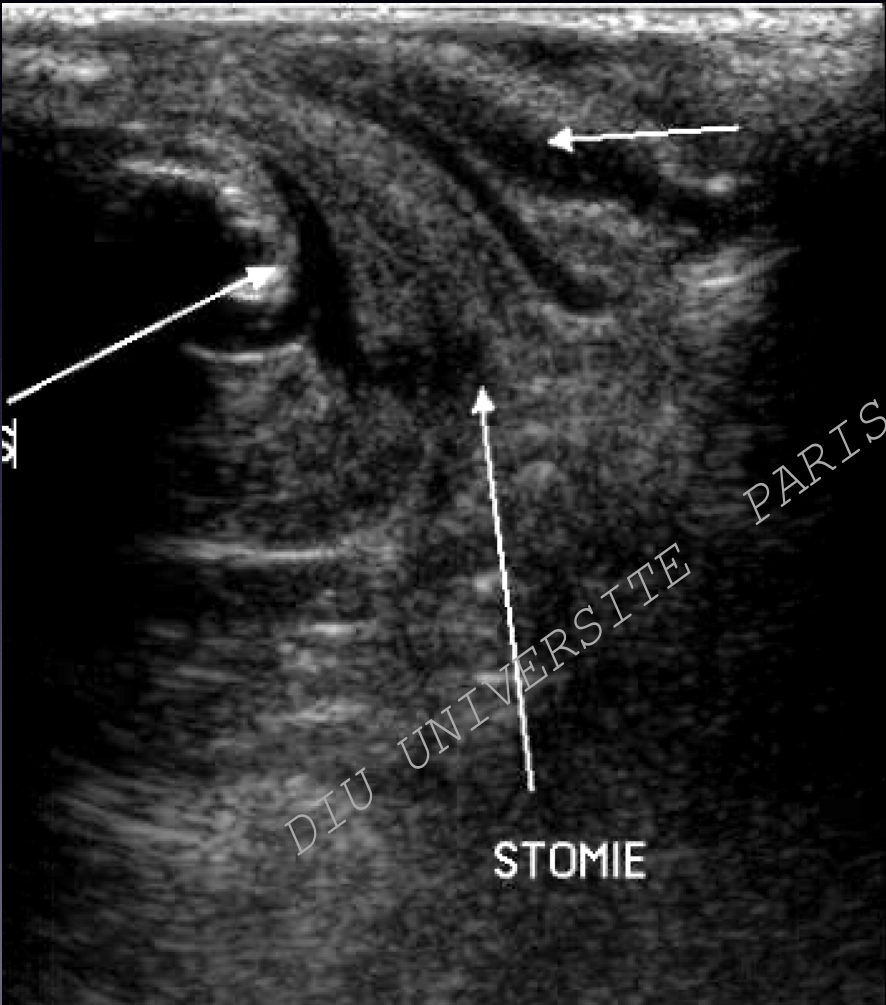
PARIS DESCARTES

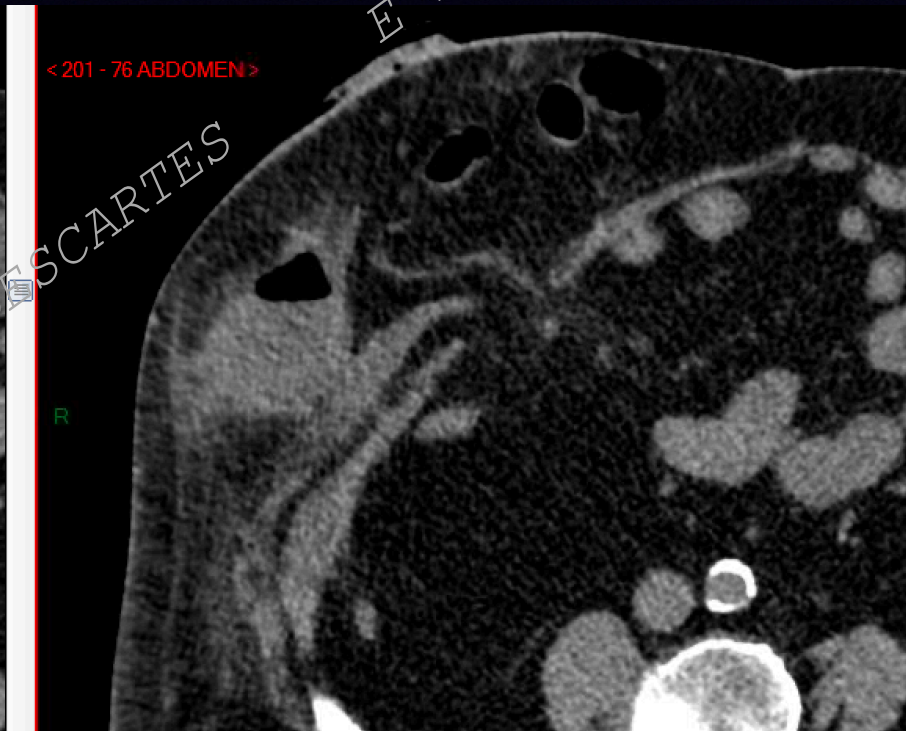
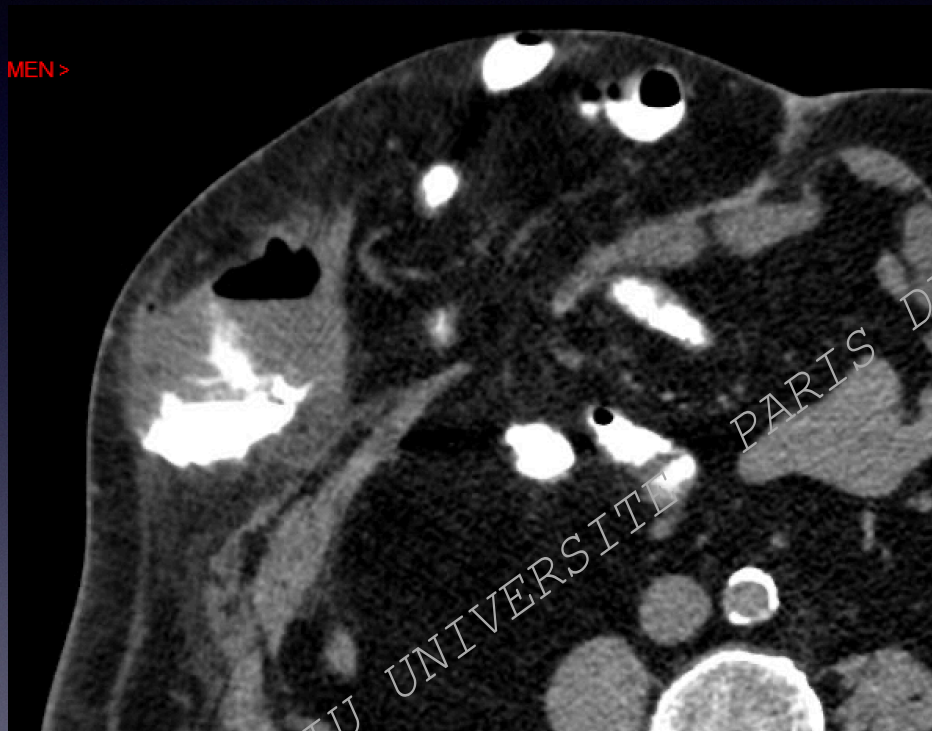
Iléostomie FID



<https://ars.els-cdn.com/content/image/1-s2.0-S1762570X05000022-fx32.jpg>

Iléostomie FID





DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



Les voies biliaires opérées chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 Bruxelles

Voies biliaires opérées : la cholécystectomie et ses conséquences

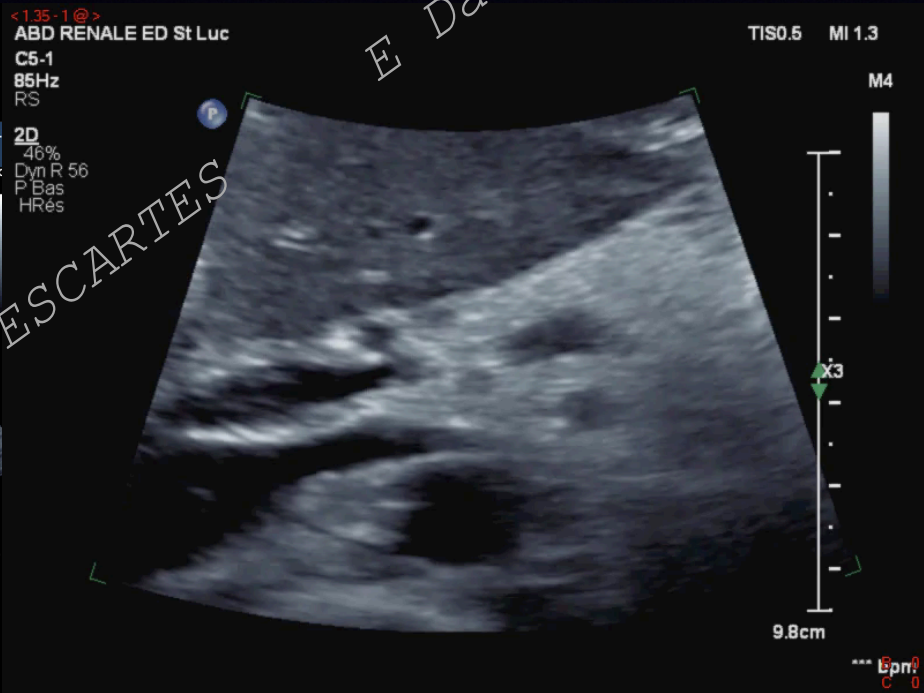
Les constatations normales

- ⇒ Aérobilie
- ⇒ Moignon Cystique
- ⇒ Cholécystectomie partielle

DIU UNIVERSITÉ PARIS DESCARTES

E. Danse

Aérobilie



DIU UNIVERSITE PARIS DESCARTES

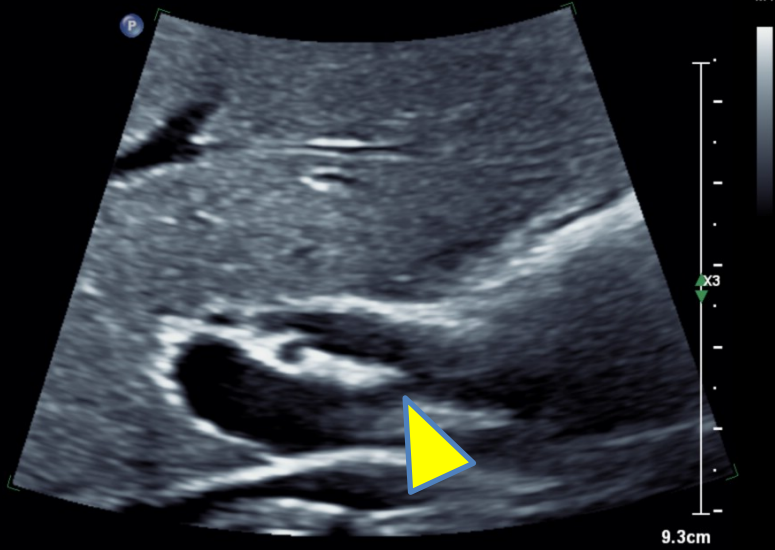
ReinLithiaseOptim

C5-1
86Hz
RV

2D
50%
R Dyn 55
P Bas
HRes

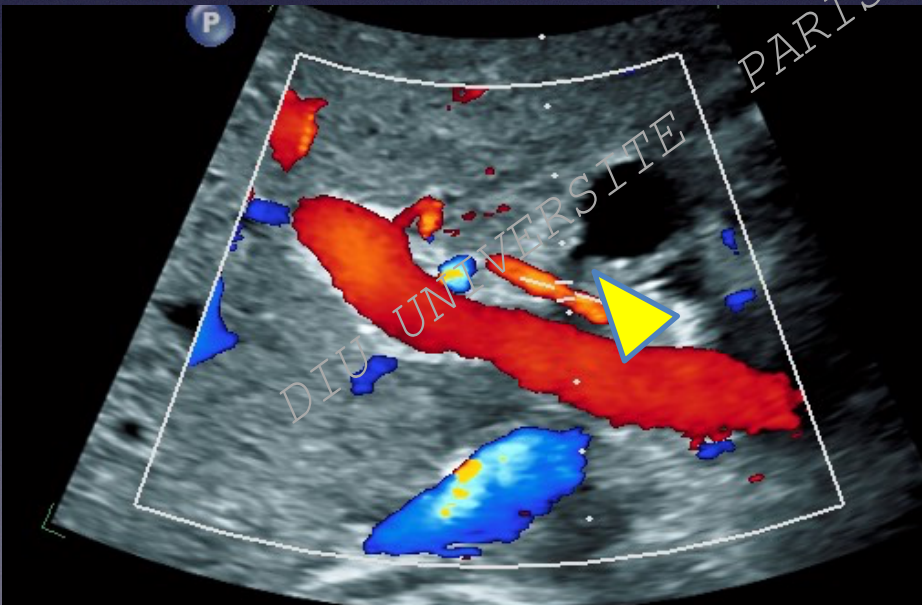
ITm0.5 IM 1.3

M4



Moignon cystique

E Danse

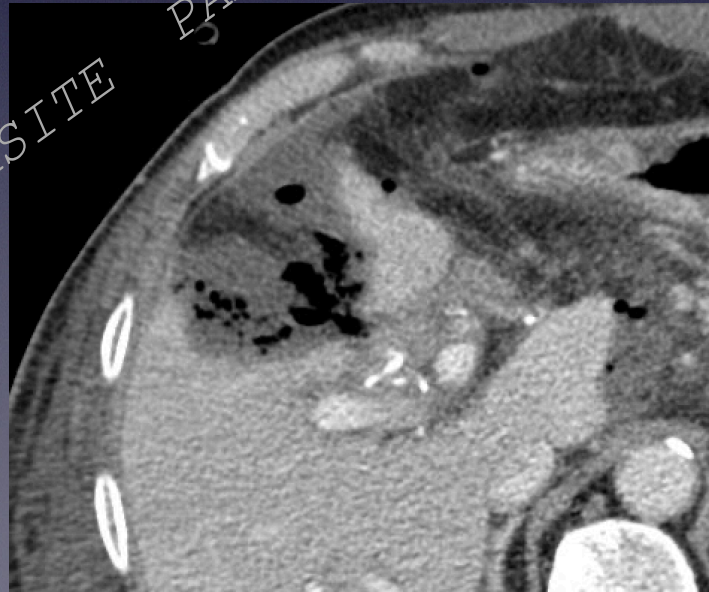


Cholécystectomie partielle



Voies biliaires opérées : la cholécystectomie et ses conséquences

- ⇒ Collection du lit vésiculaire
- ⇒ Fuite biliaire
- ⇒ Cholécystite drainée
- ⇒ Dilatation des voies biliaires
- ⇒ Droplet Gallstone



DIU UNIVERSITE PARIS DESCARTES

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

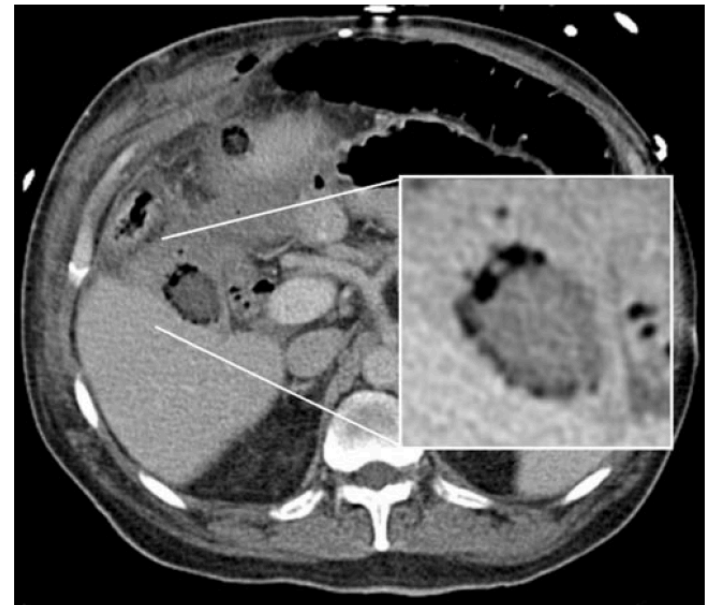


Fig. 1 Contrast enhanced CT image shows a low attenuation mass in the gallbladder fossa. *Inset in a wider display window demonstrates peripheral punctate and linear foci of gas*

Fuites biliaires post cholécystectomie

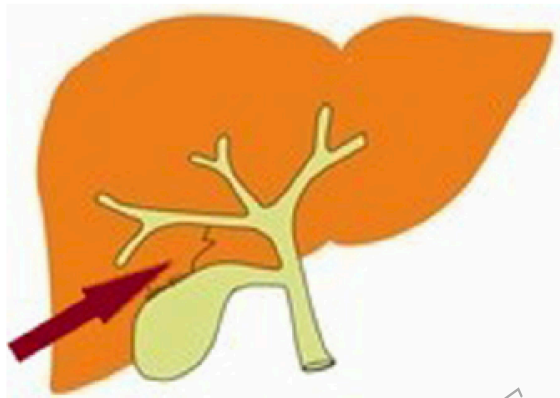


Fig. 2 – Marked by the arrow is an aberrant subvesical bile duct draining its hepatic segment. It is situated within the connective tissue or capsule of the gallbladder fossa.

RADIOLOGY CASE REPORTS 14 (2019) 1237–1240



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

Fuites biliares post cholécystectomie

J Gastrointest Surg (2012) 16:656–662

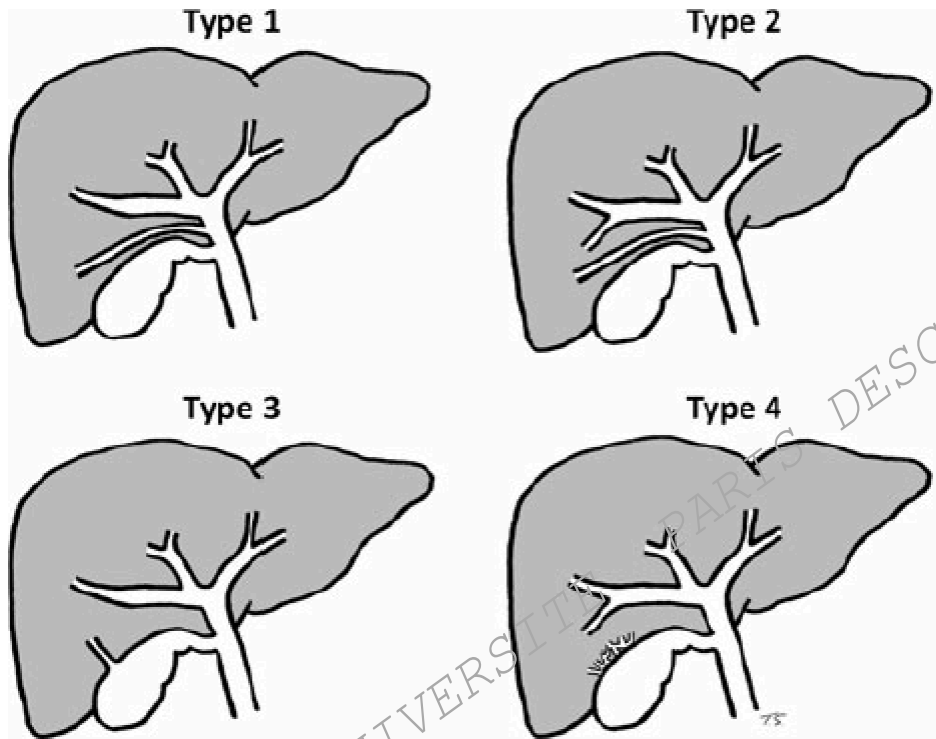


Fig. 2 Types of subvesical bile ducts: type 1—segmental or sectorial subvesical bile duct, type 2—accessory subvesical bile duct, type 3—hepaticocholecystic bile duct, type 4—aberrant subvesical bile duct

E Danse

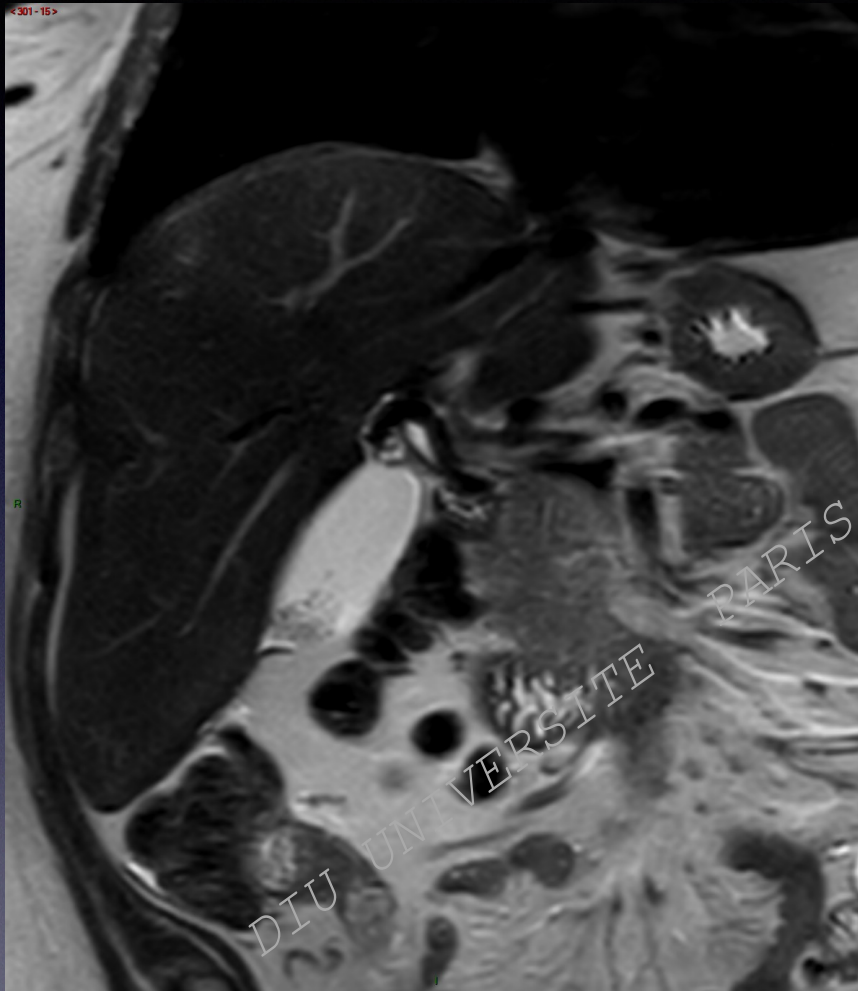
J Gastrointest Surg (2012) 16:656–662
DOI 10.1007/s11605-011-1802-5

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
Éditions Françaises de Radiologie, Paris, 2002

Anatomie biliaire et vasculaire du foie

PJ Valette, T De Baere

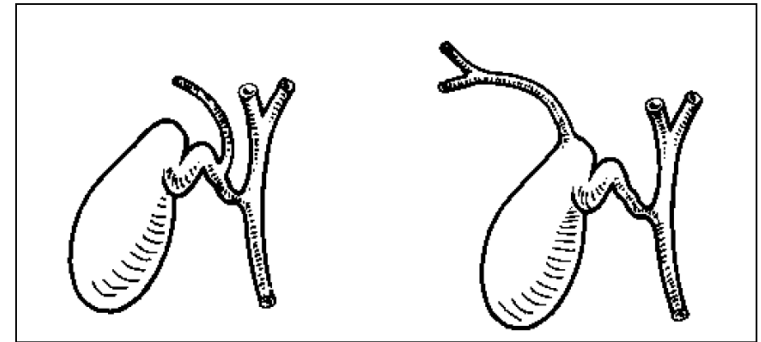


Fig. 5 : Représentation schématique des variations d'abouchement de voies biliaires intrahépatiques droites dans le collet vésiculaire ou dans le canal cystique.

Fuites biliaries post cholécystectomie



Fuites biliaires post cholécystectomie

Fan et al. Medicine (2018) 97:8

www.md-journal.com

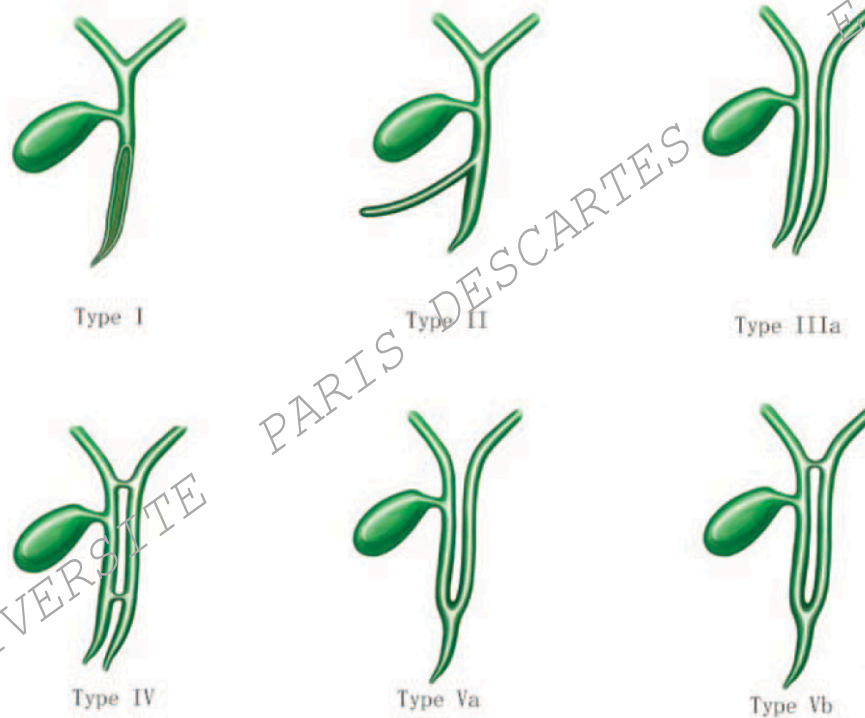
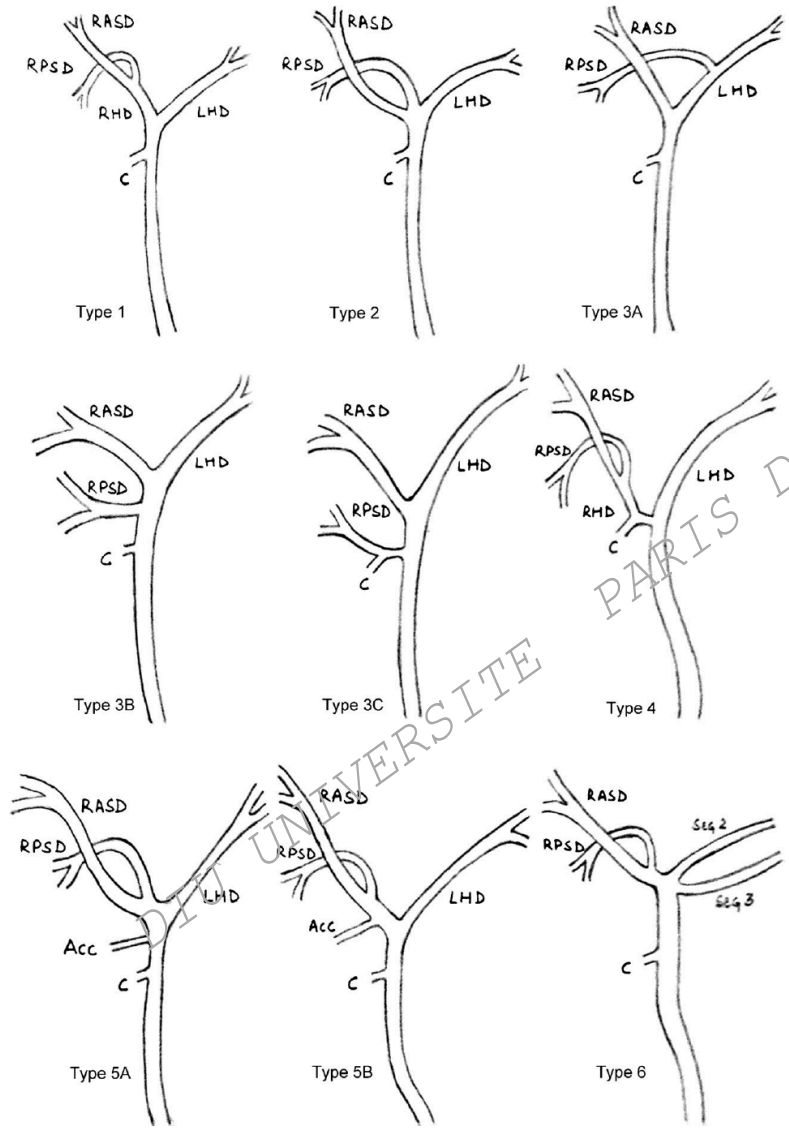


Figure 2. Modified double common bile duct classification. Type I, a septum within the CBD lumen; Type II, the distal bile duct bifurcates and each channel independently drains into the different sites (stomach, pancreas, and duodenum); Type III, duplicated extrahepatic bile ducts with (type IIIa) or 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

E. Dansie

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

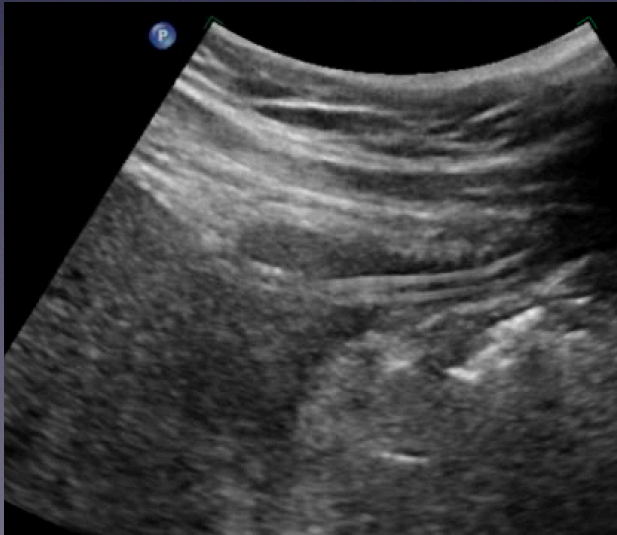
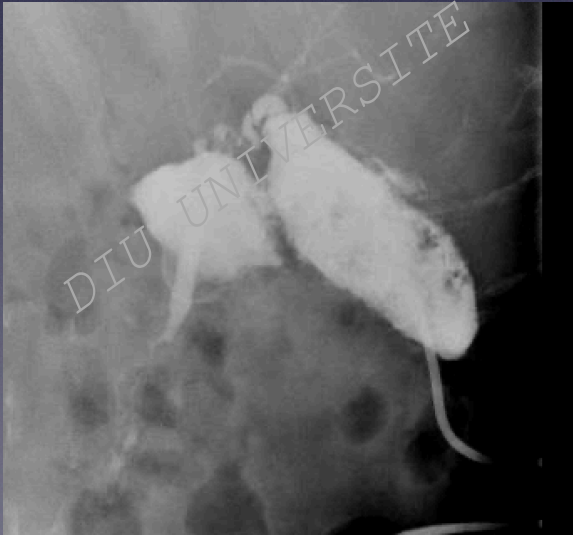


ORIGINAL ARTICLE

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

Drainage d'une cholécystite sévère



Abdominal spilled stones: ultrasound findings

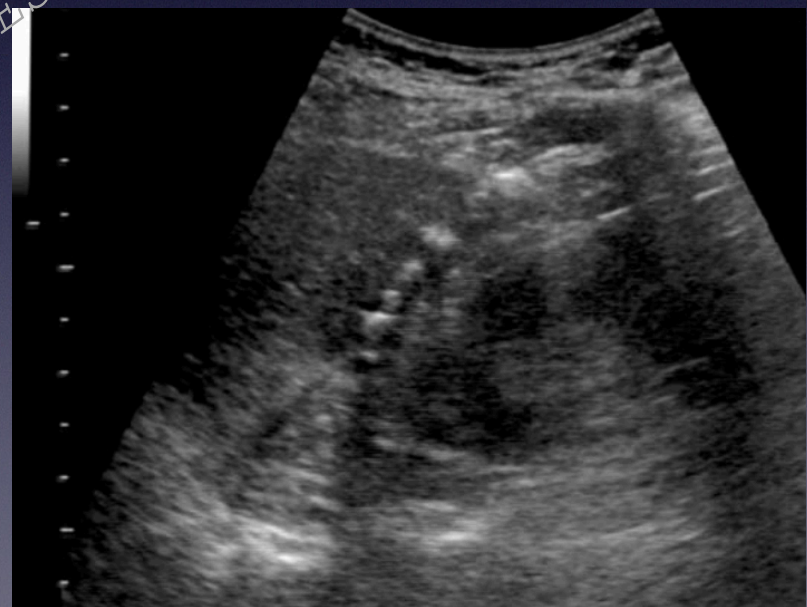
F. Torello Viera,¹ E. Armellini,¹ L. Rosa,¹ V. Ravetta,¹ M. Alessiani,² P. Dionigi,²
S. Rossi¹

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

E Danse

UNIVERSITE PARIS DESCARTES



DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



Le foie opéré chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 Bruxelles

Le foie opéré

Post Biopsie :

- Fistule vasculaire
- Fistule biliaire
- Hématome
- Hémorragie

Post Hépatectomie:

- Ischémie de la tranche de section
- Bilome

Autres

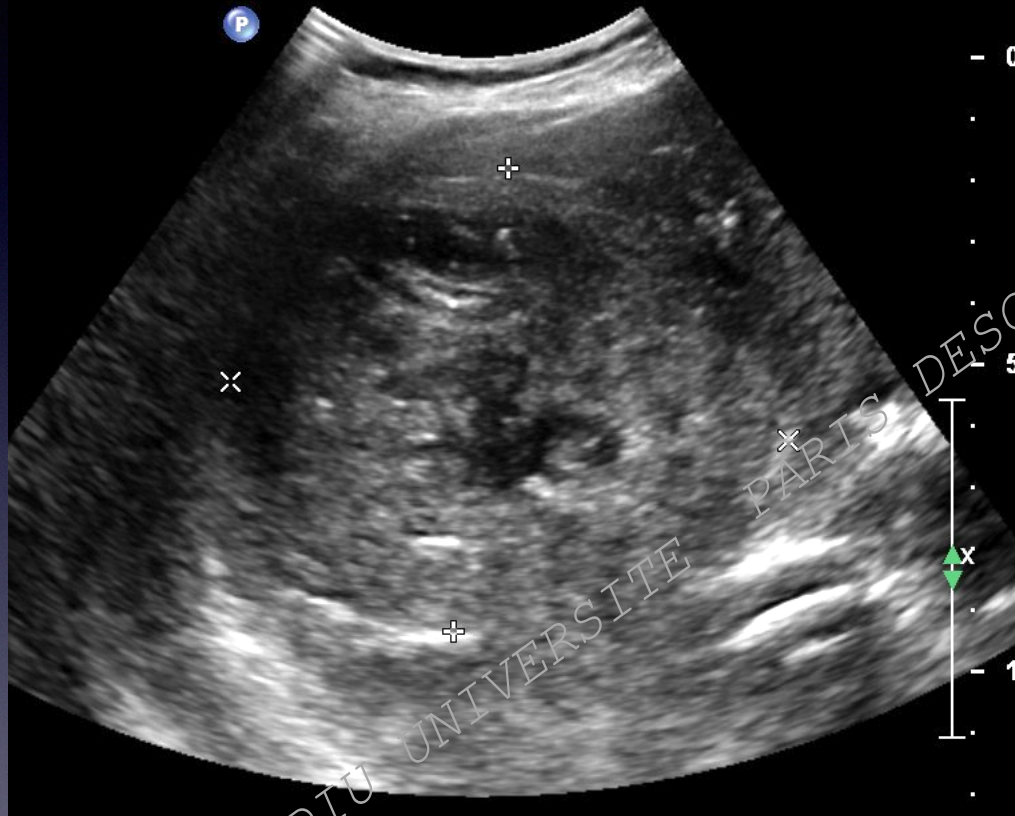
- Marsupialisation des kystes hydatiques
- TACE, embolisation portale, radiofréquence
- « Enzymite de la réanimation »
- Greffe

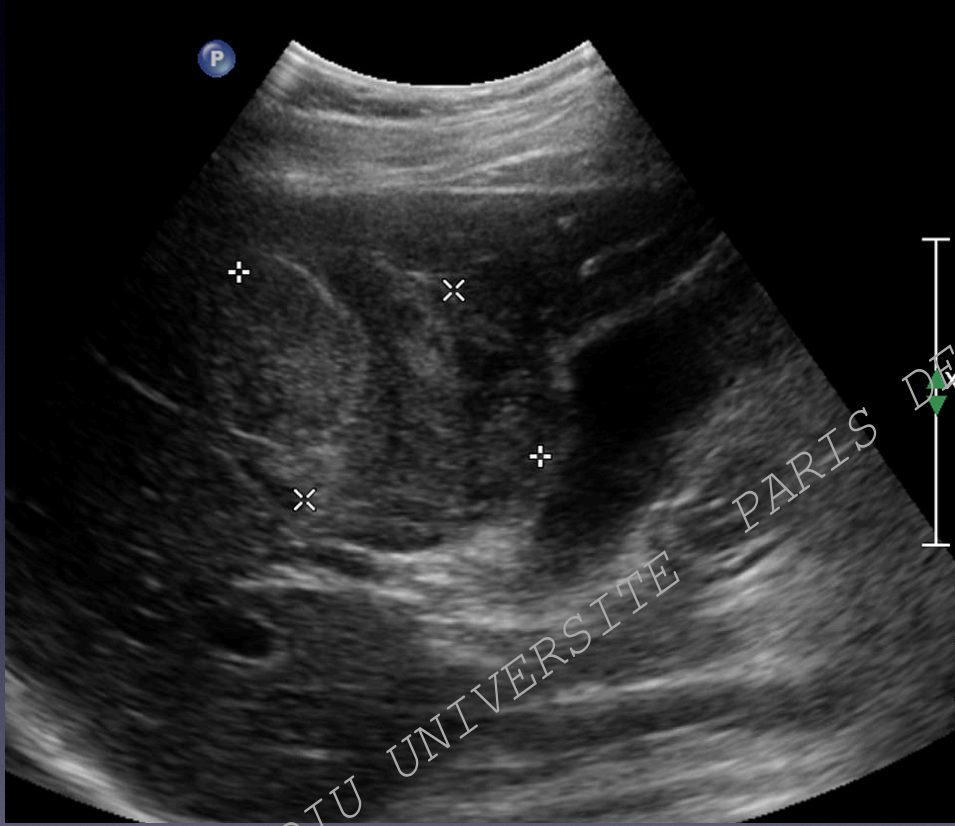
E Danse

UNIVERSITE PARIS DESCARTES

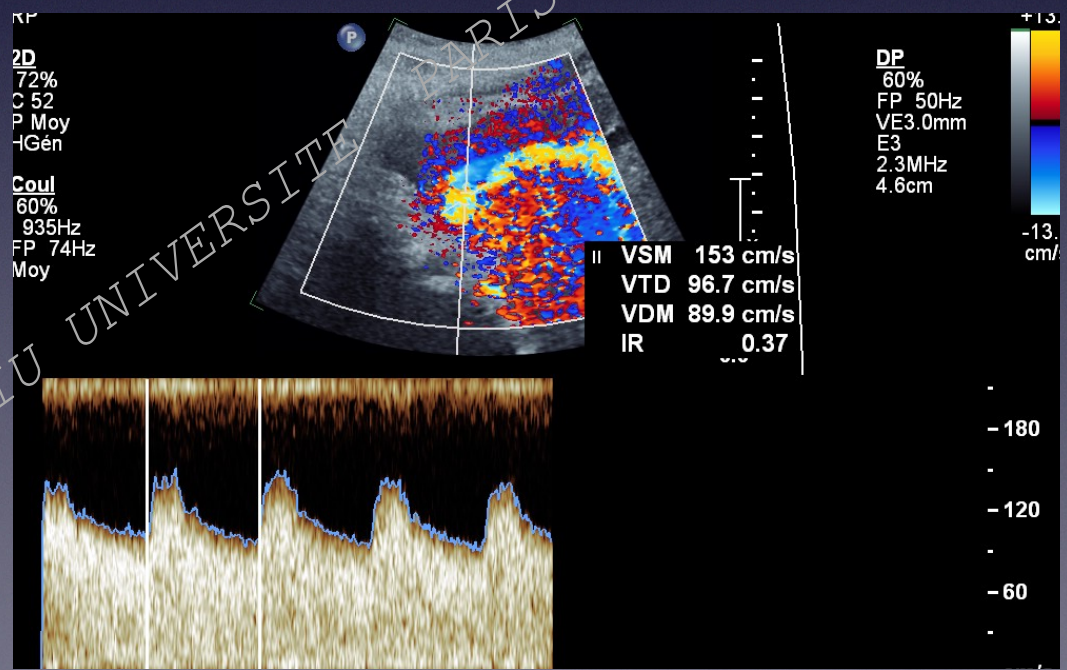
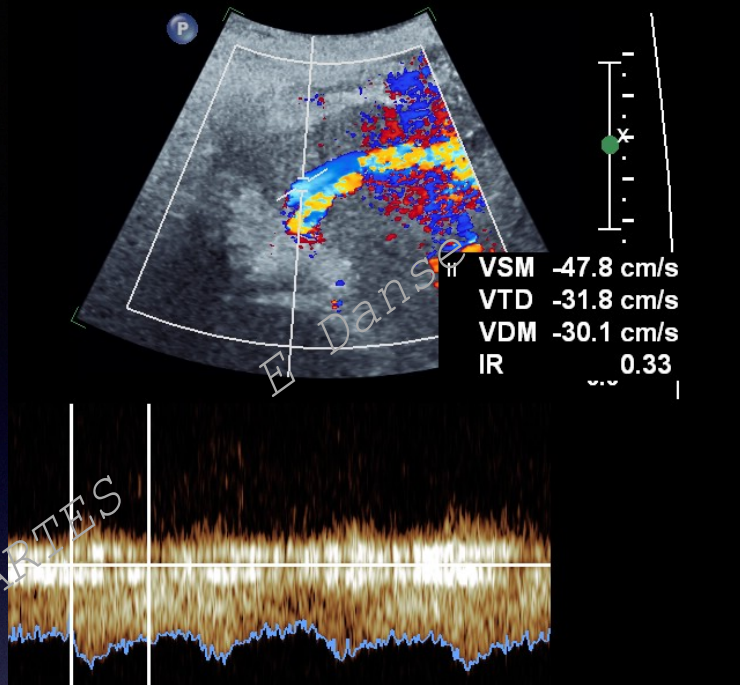
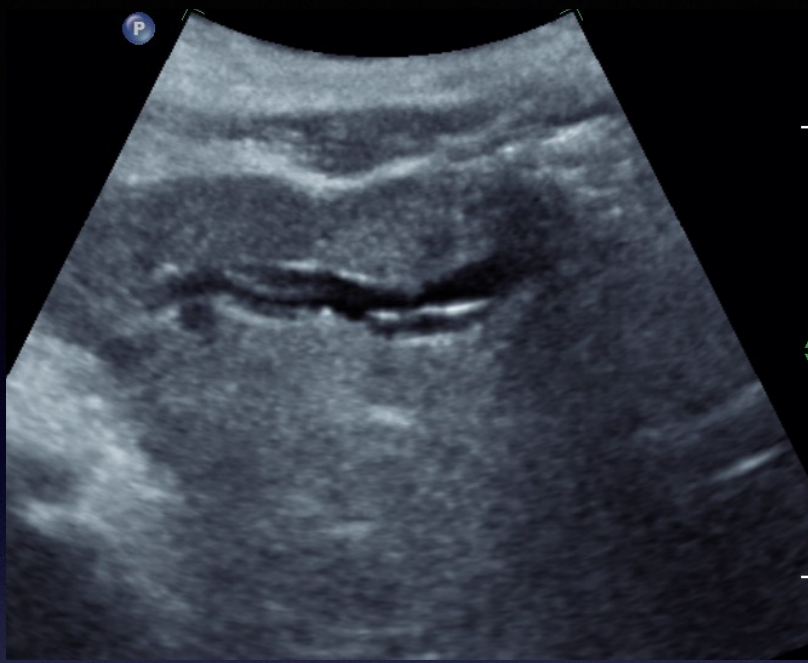


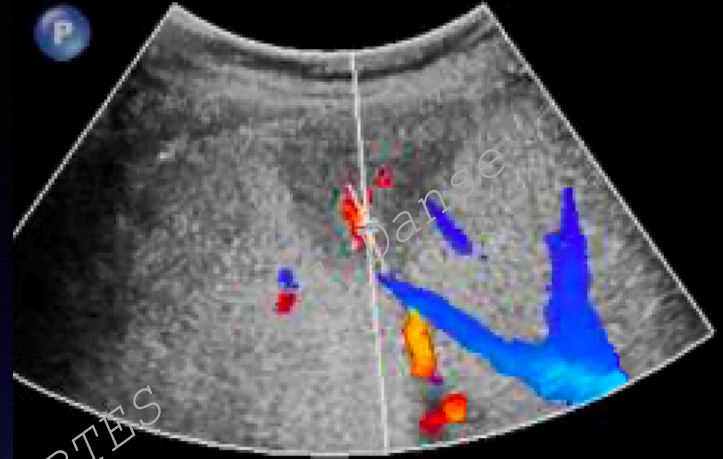
DIU UNIVERSITE PARIS DESCARTES



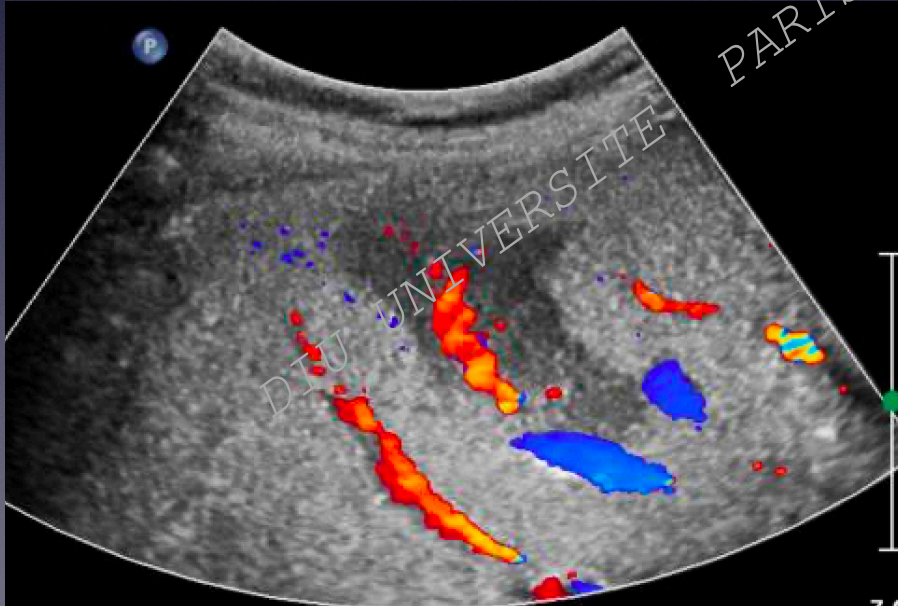


DIU UNIVERSITE PARIS DESCARTES

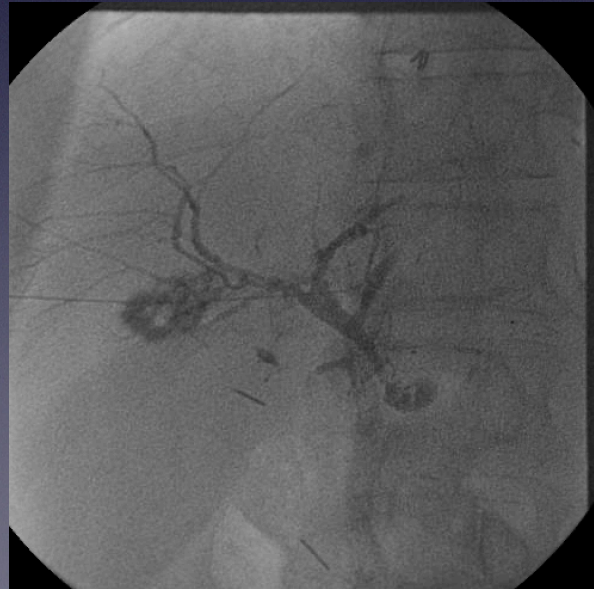


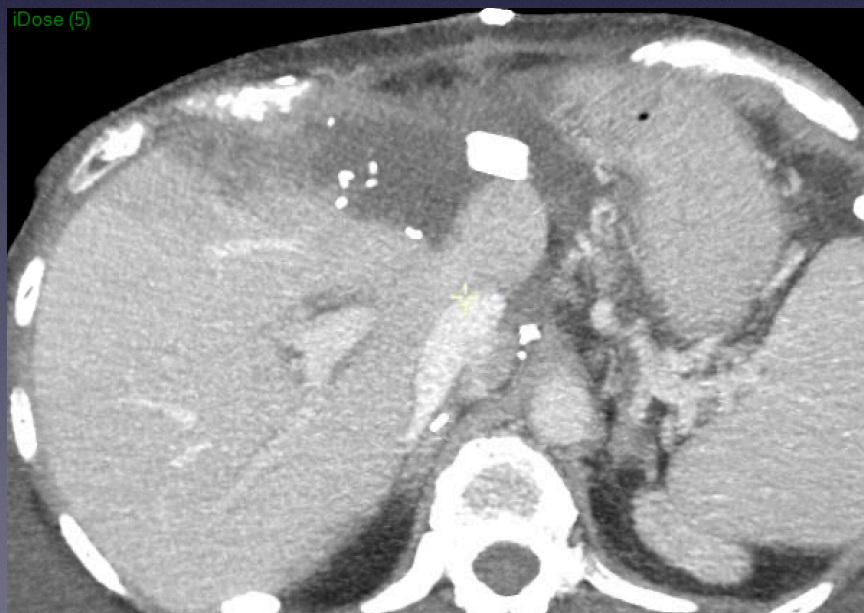
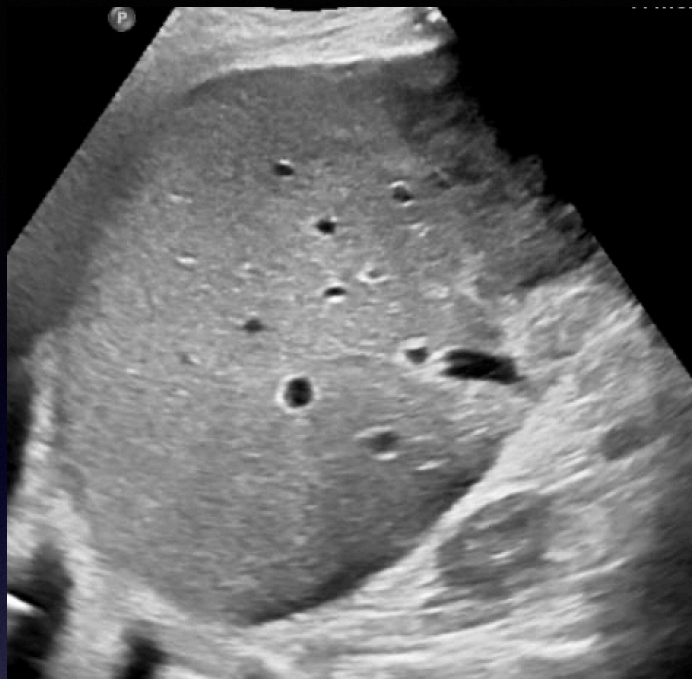


7



PARIS DESCARTES





DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



L'aorte abdominale post-opératoire chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 Bruxelles

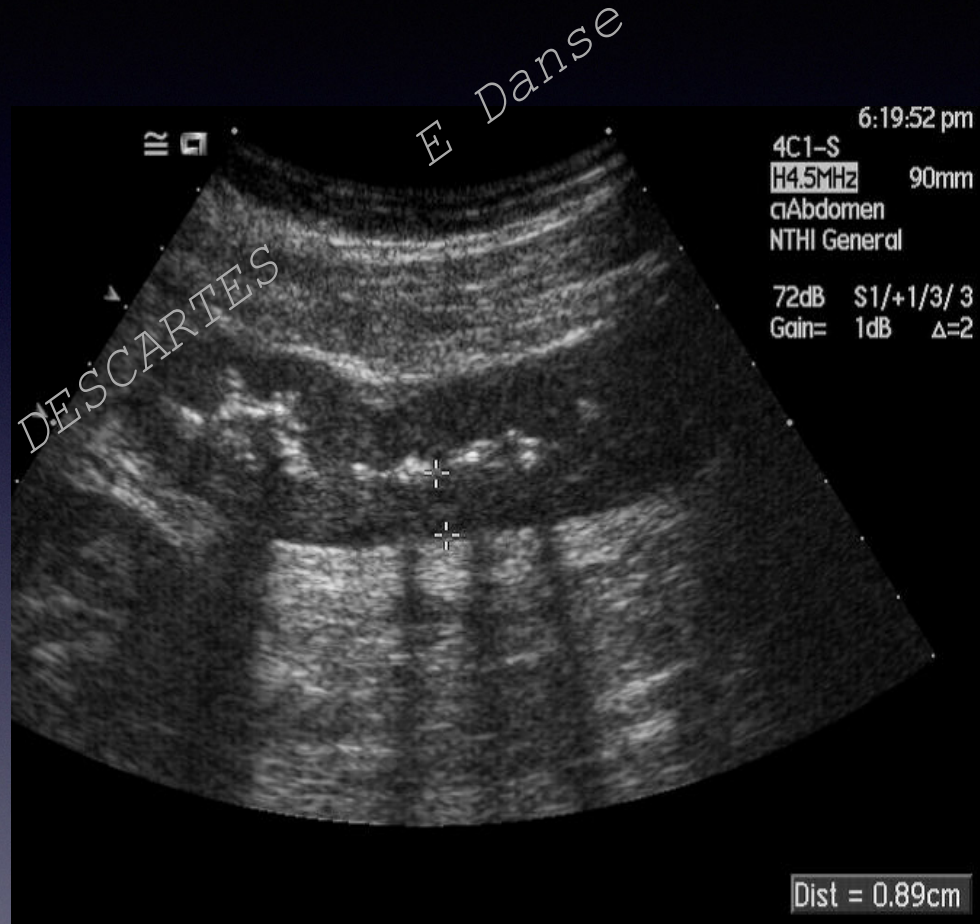
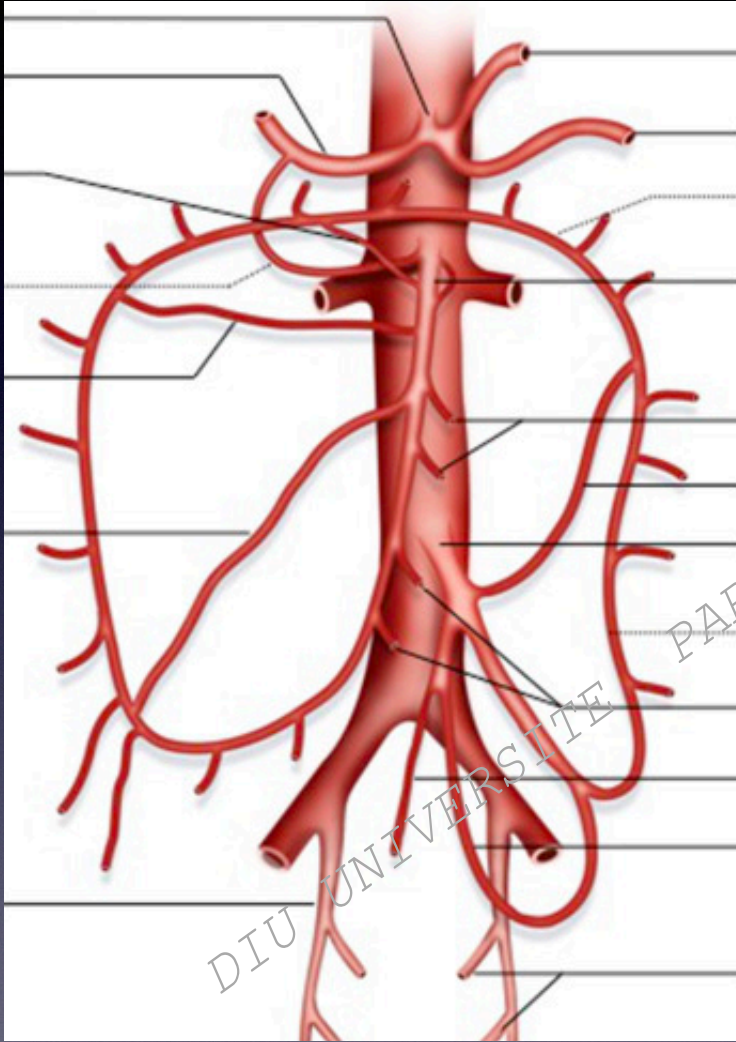
L'aorte opérée

Post cure anévrisme aortique , voie chirurgicale :

- Ischémie rénale
- Colite ischémique

Post cure endovasculaire

- Fuite (endoleak)

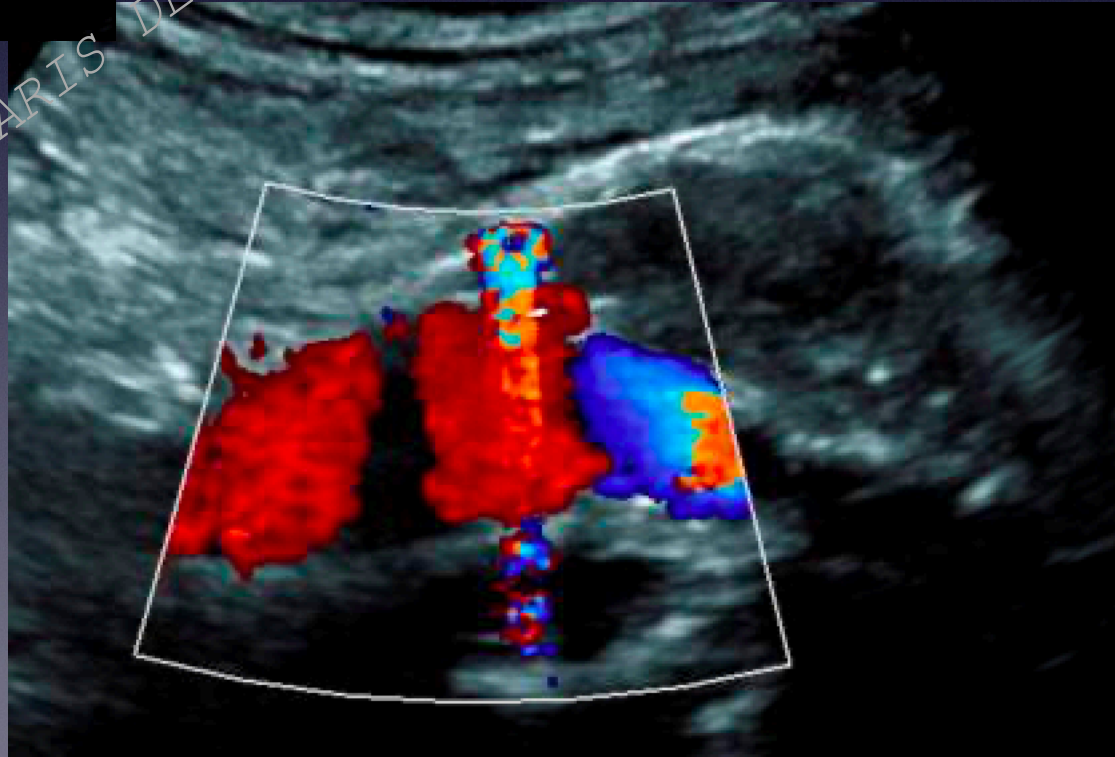


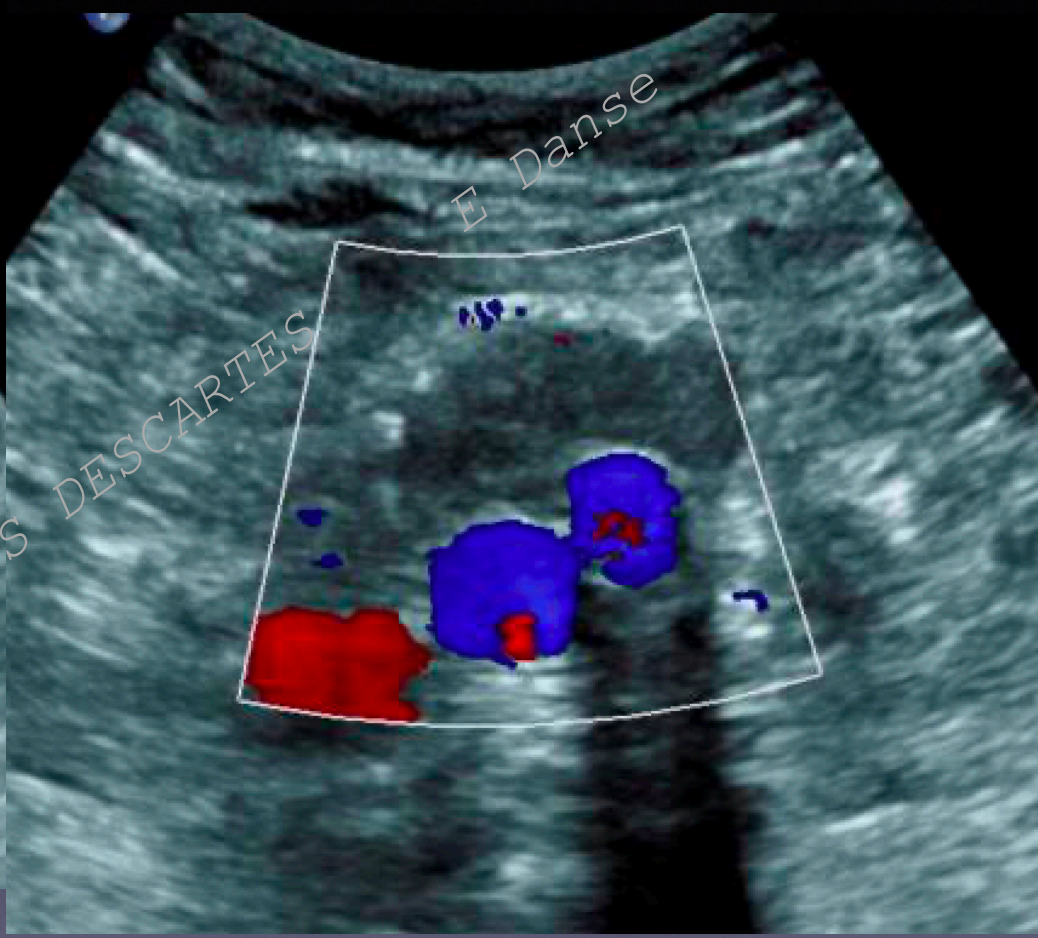


E Danse

PARIS DESCARTES

DIU UNIVERSITE

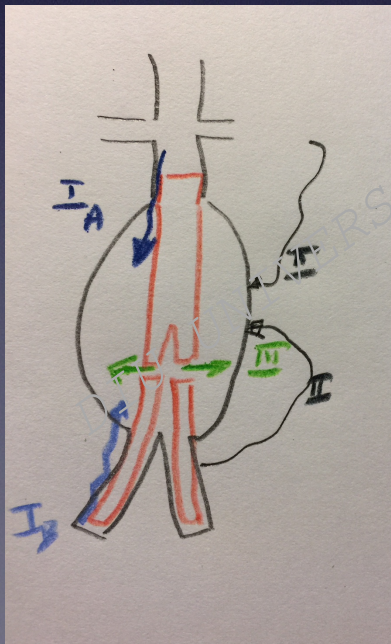
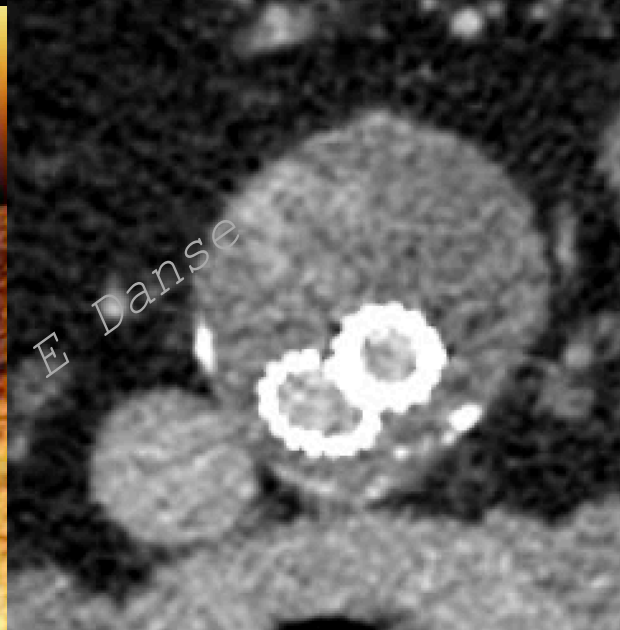
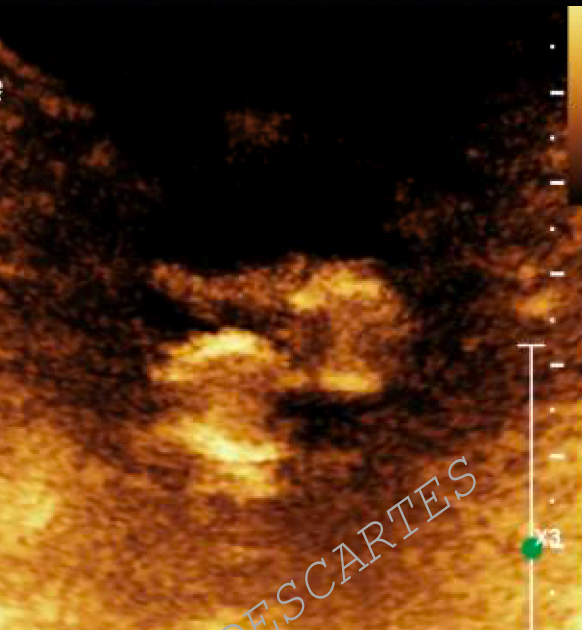
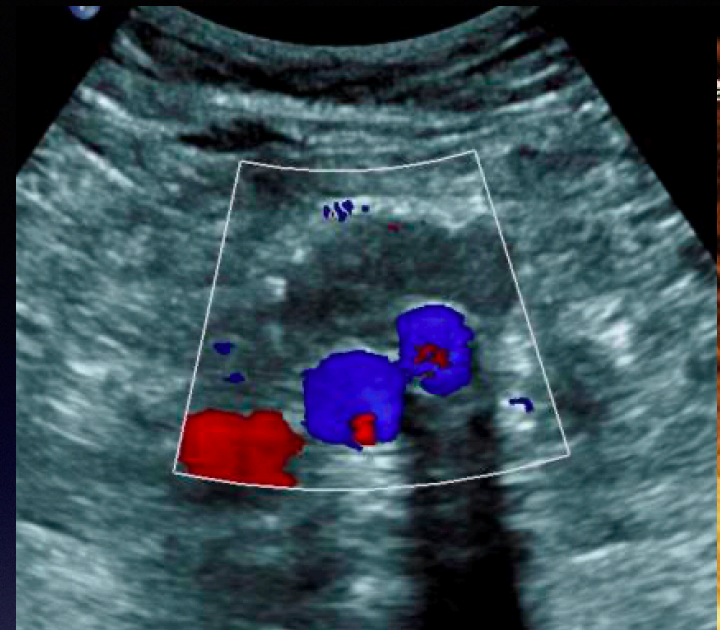




DIU UNIVERSITE

PARIS DESCARTES

E Danse



UNIVERSITE PARIS DESCARTES

DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



Les voies urinaires en post-opératoire chez l'adulte

Professeur Etienne DANSE

Université Catholique de Louvain Cliniques Universitaires St Luc , 1200 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

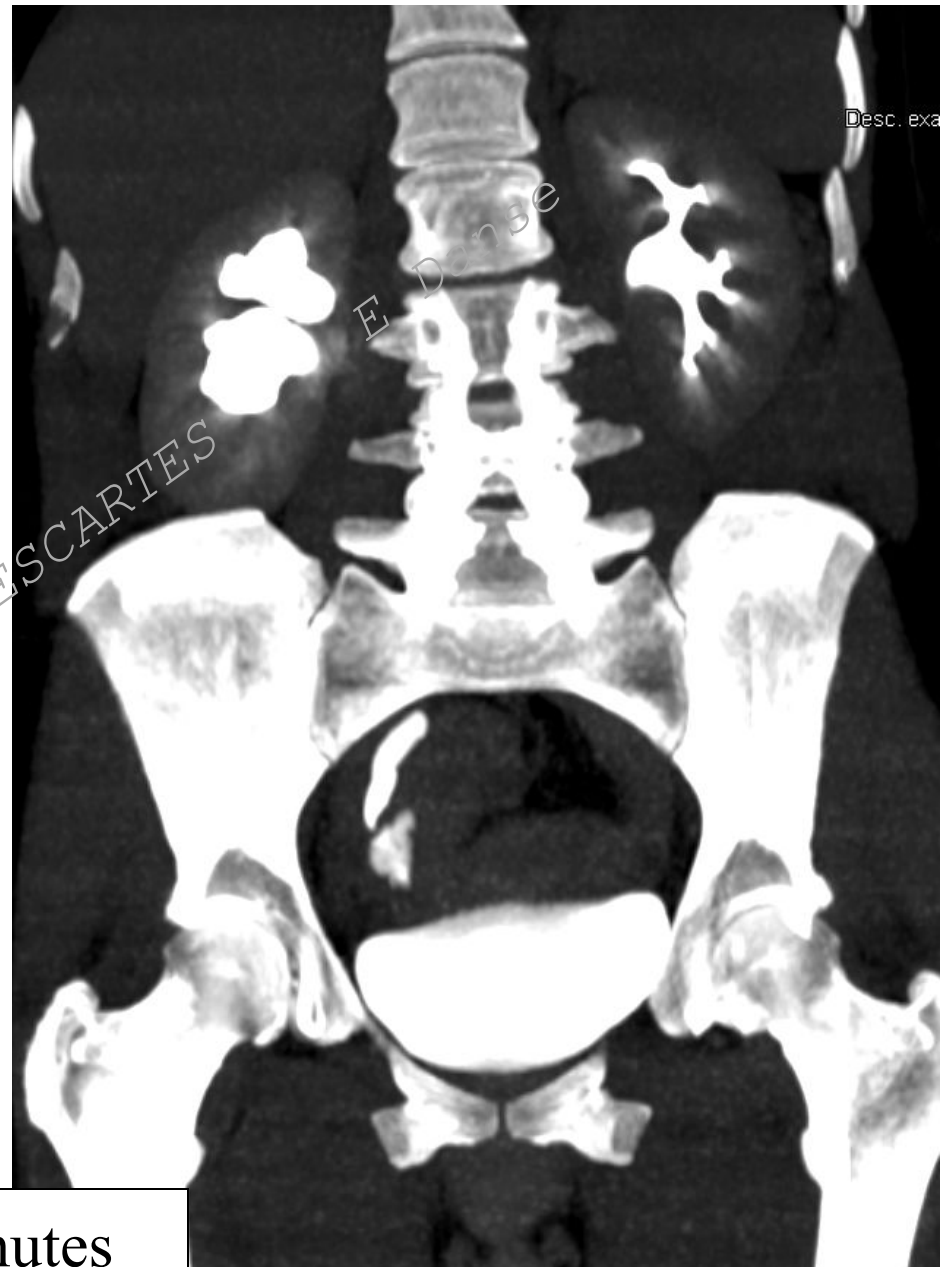
E Danse

UNIVERSITE PARIS DESCARTES

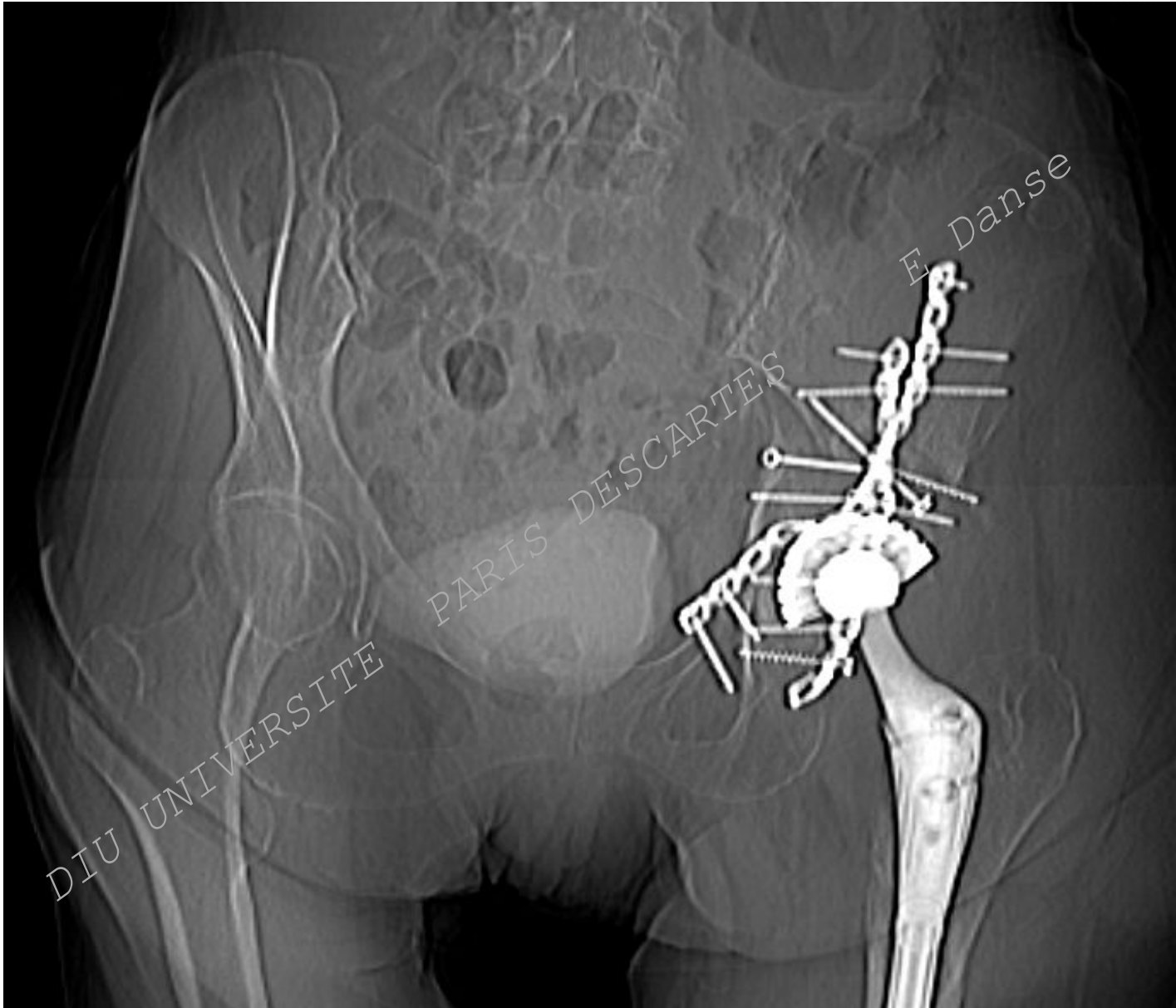


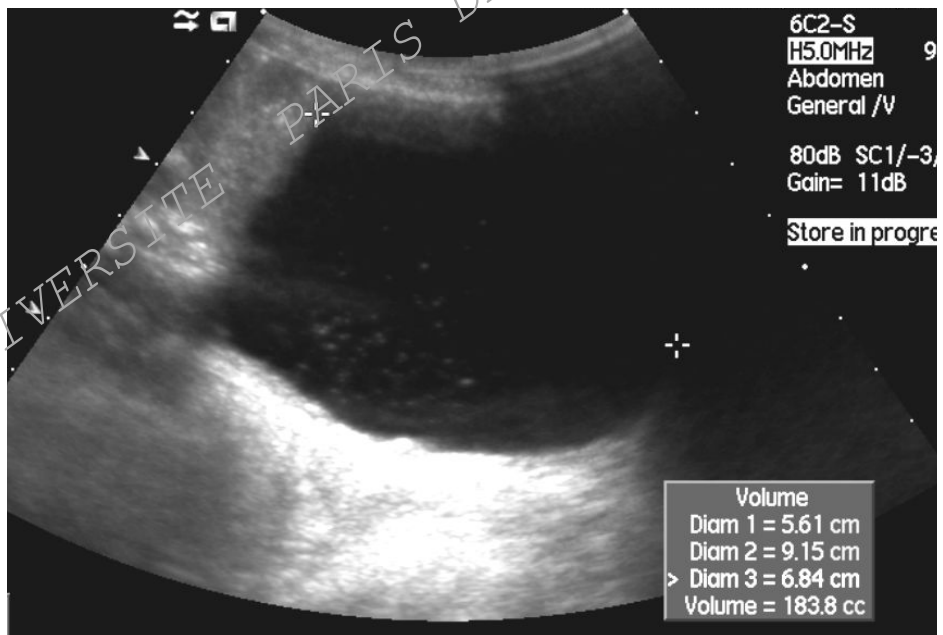
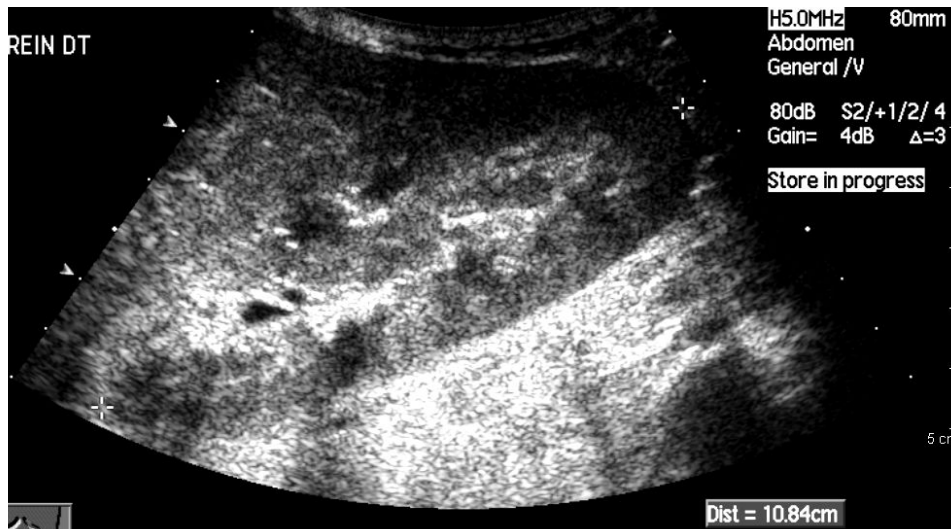
E Danse



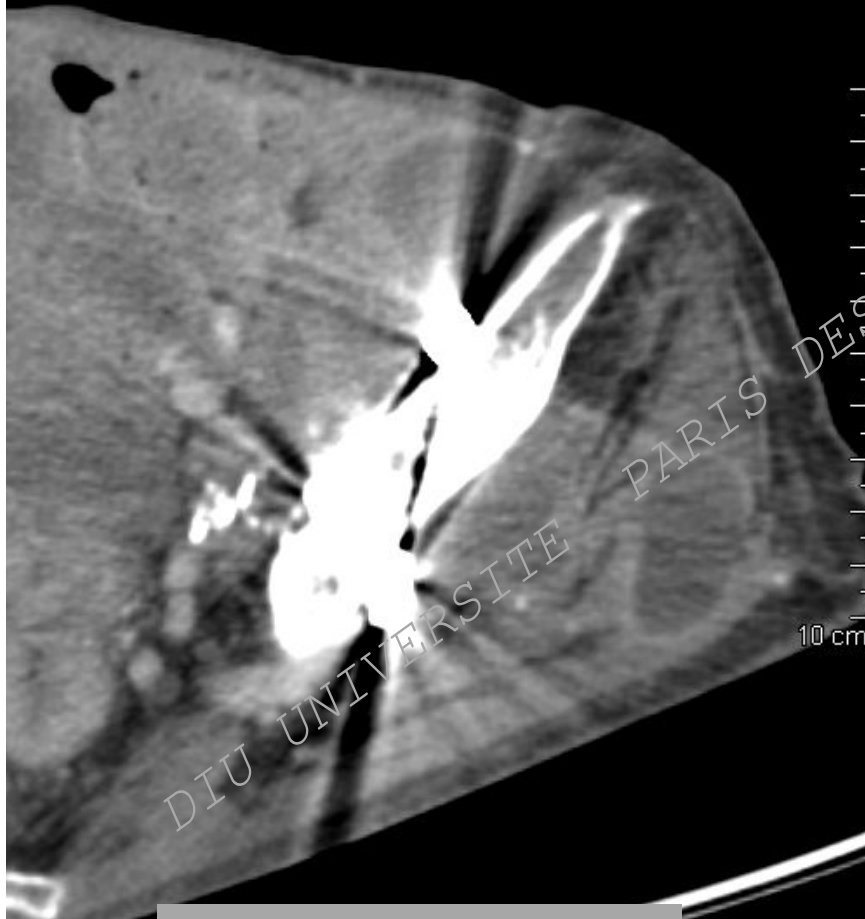


35 minutes





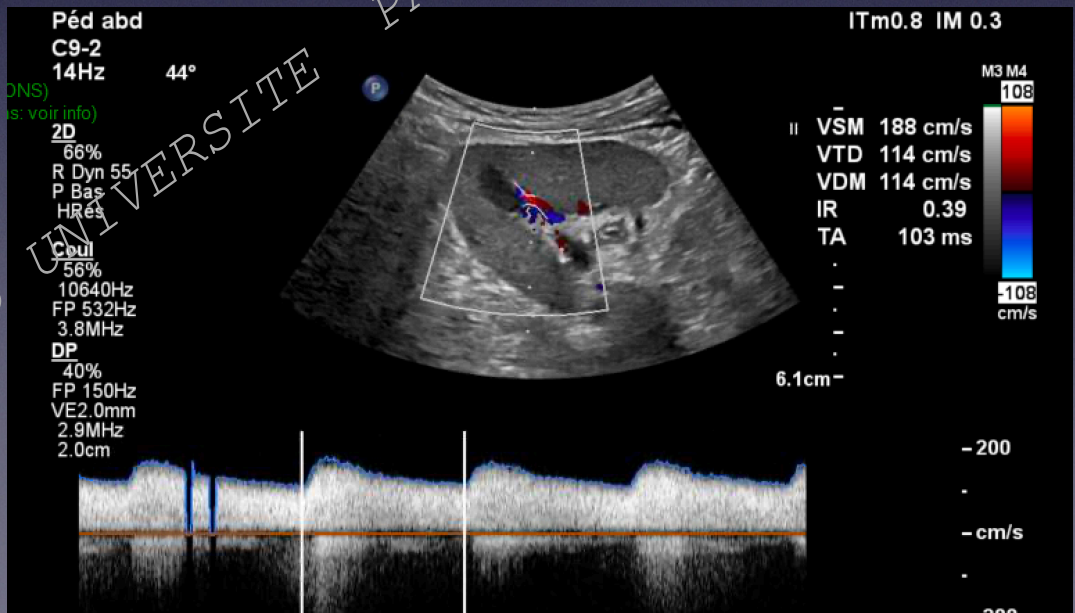
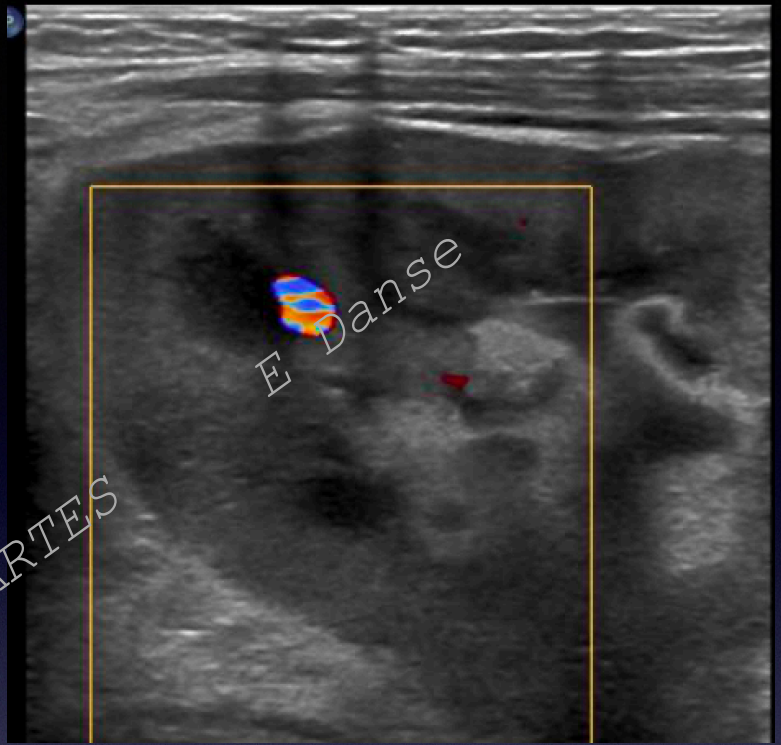
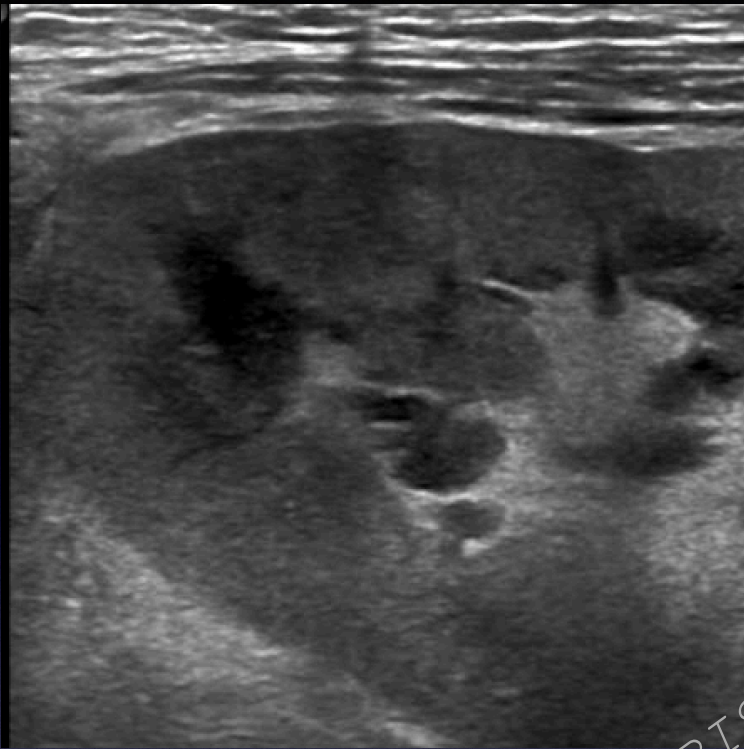
E Danse



70 – 90 sec



+ 4 hours



DIU UNIVERSITE PARIS DESCARTES

DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



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

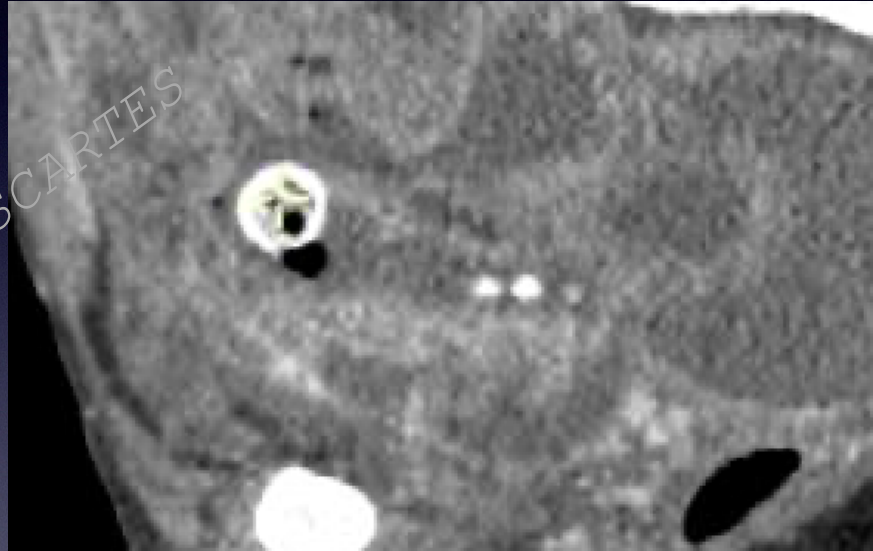
MICI en poussée

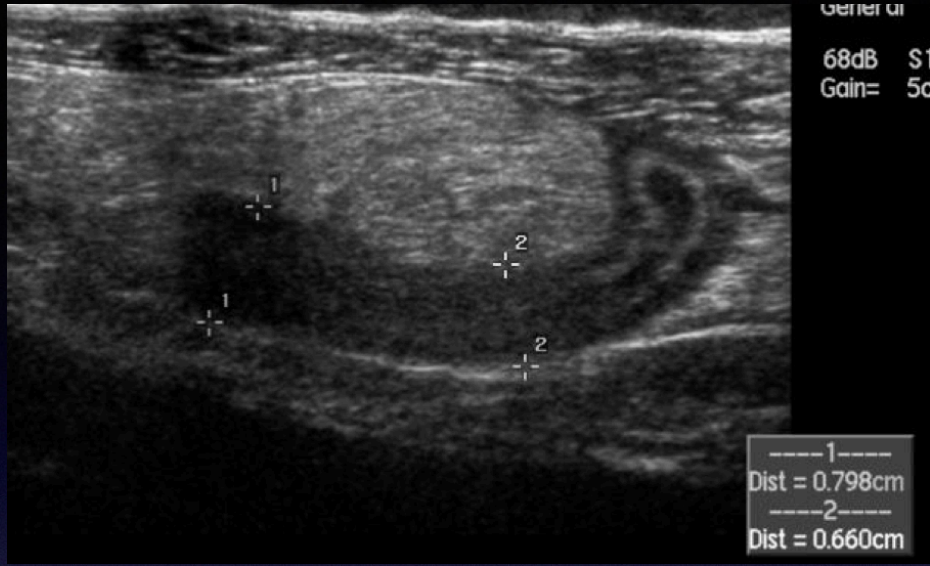
DIU UNIVERSITÉ PARIS DESCARTES



stercolithe

E Danse

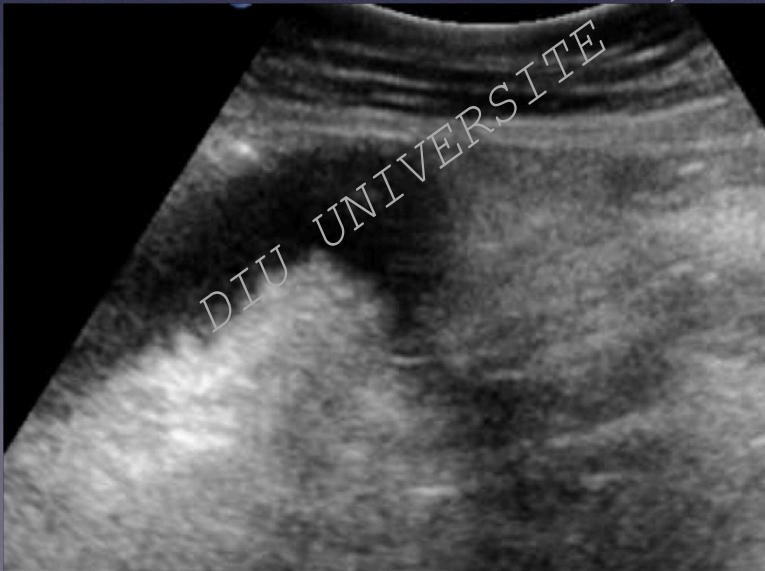
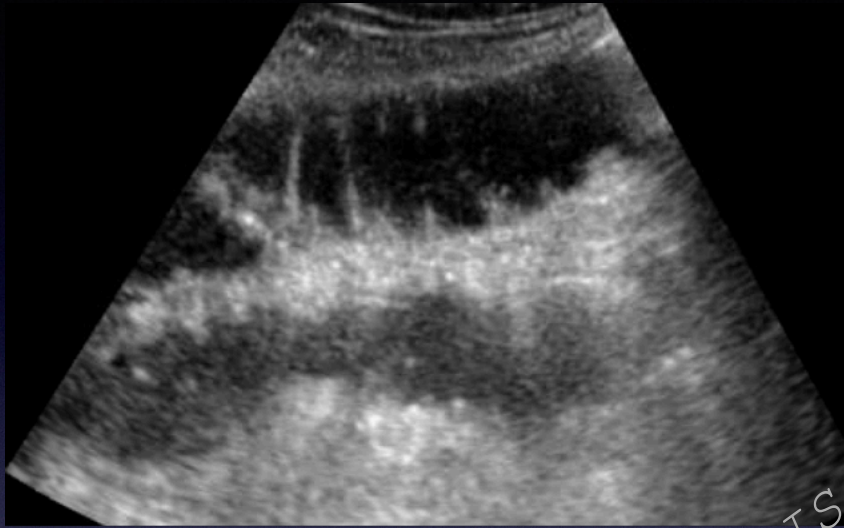




Pyléphlébite



Occlusion sur bride



DIU D'ECHOGRAPHIE ET TECHNIQUES ULTRA SONORES

MODULE DIGESTIF

2019/2020



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

Compresse

Drains VP

Dialyse péritonéale et Cocoon

E Danse

DIU UNIVERSITE PARIS DESCARTES

T

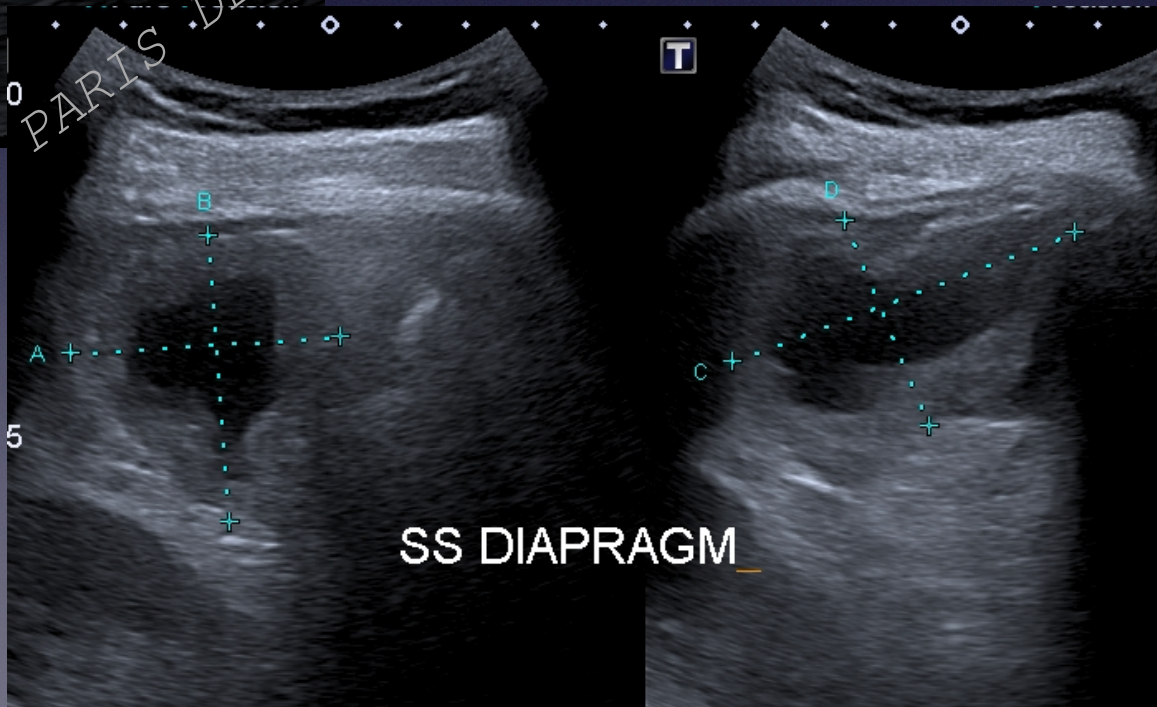
CUL SAC PLEURAL DT



E Danse

PARIS DESCARTES

DIU UNIVERSITE



T

SS DIAPRAGM

Une compresse ?

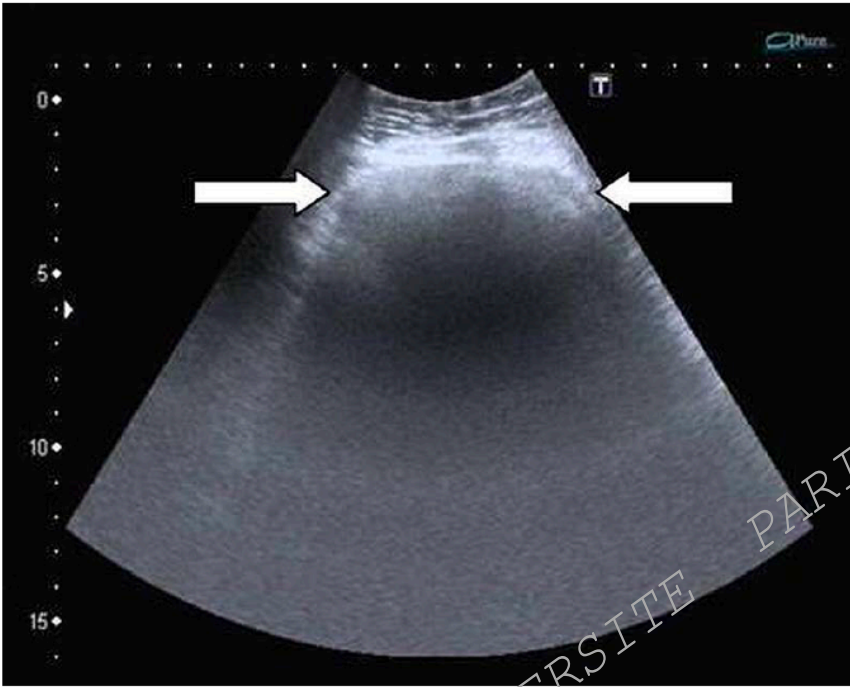


Figure 1 Transabdominal ultrasound demonstrating a hyperechoic mass with strong, sharply demarcated posterior acoustic shadowing (arrows).

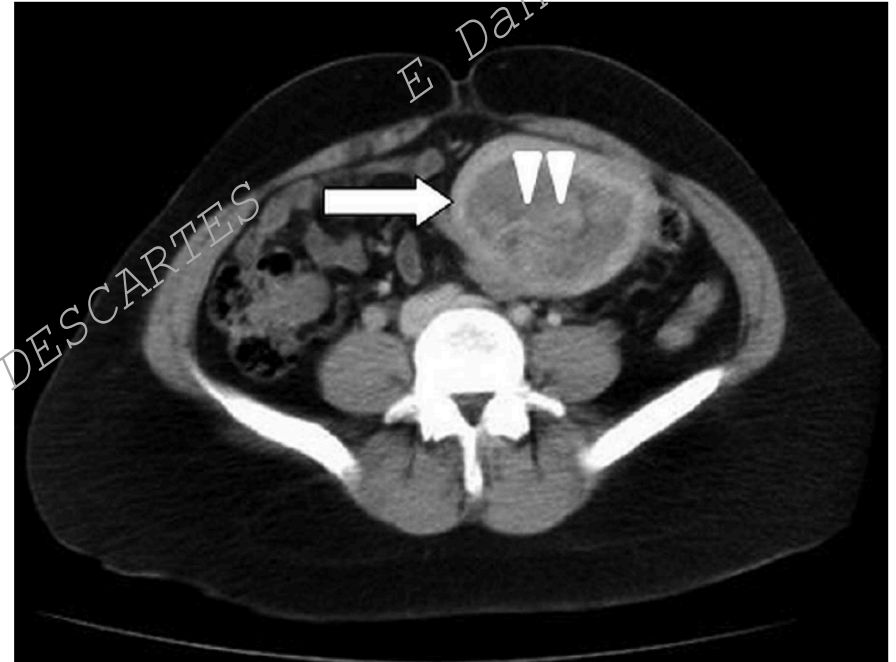
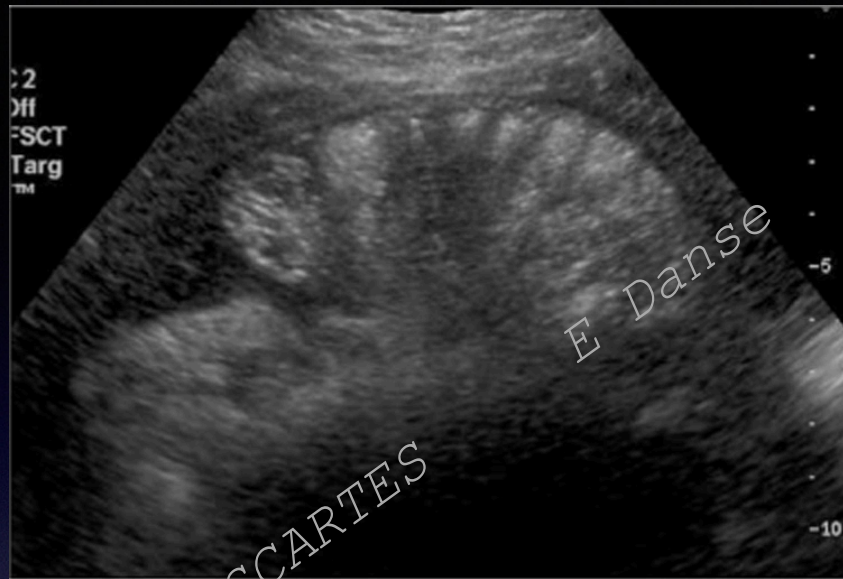
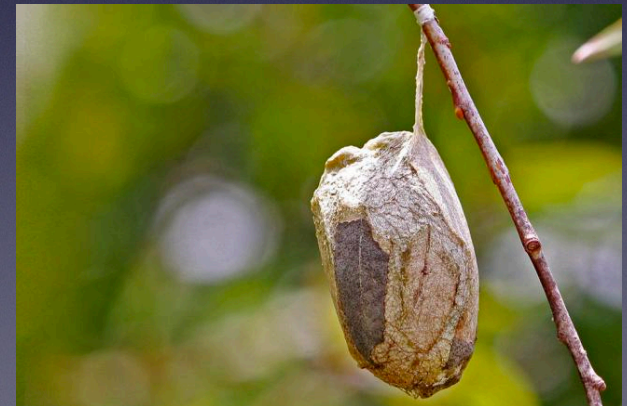


Figure 2 Abdominal CT scan showing a well-encapsulated mass with internal infolded hyperdensity (arrowheads) and peripheral contrast enhancement in the left lower quadrant (arrow).



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



https://m.espacepourlavie.ca/blogue/sites/espacepourlavie.ca.blogue/files/styles/album-650x435/public/cocon_atheraea-polyphemus-cc-flickr-mary-keim.jpg?itok=_3IRbHBt