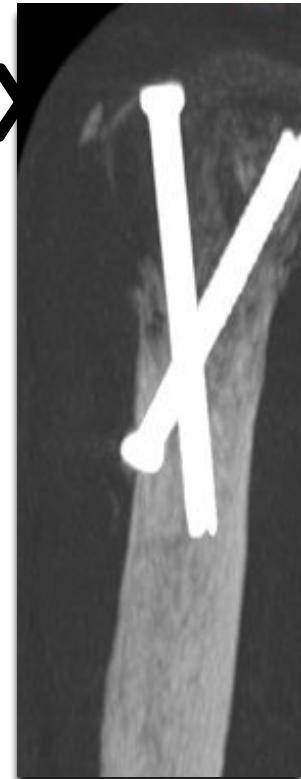


Ostéosynthèses percutanées : état des lieux

Amine BOUHAMAMA, Marie CUINET, Charles MASTIER, Alexis RICOEUR,
Frank PILLEUL

CENTRE
DE LUTTE
CONTRE LE CANCER
**LEON
BERARD**



Ostéosynthèse col fémoral

- Evaluation du risque fracturaire.
- Prise en charge chirurgicale? Prothèse? Radiothérapie?
- Ne pas retarder la chimiothérapie
- Cicatrisation? Risque infectieux?(Chimiothérapie, Radiothérapie)

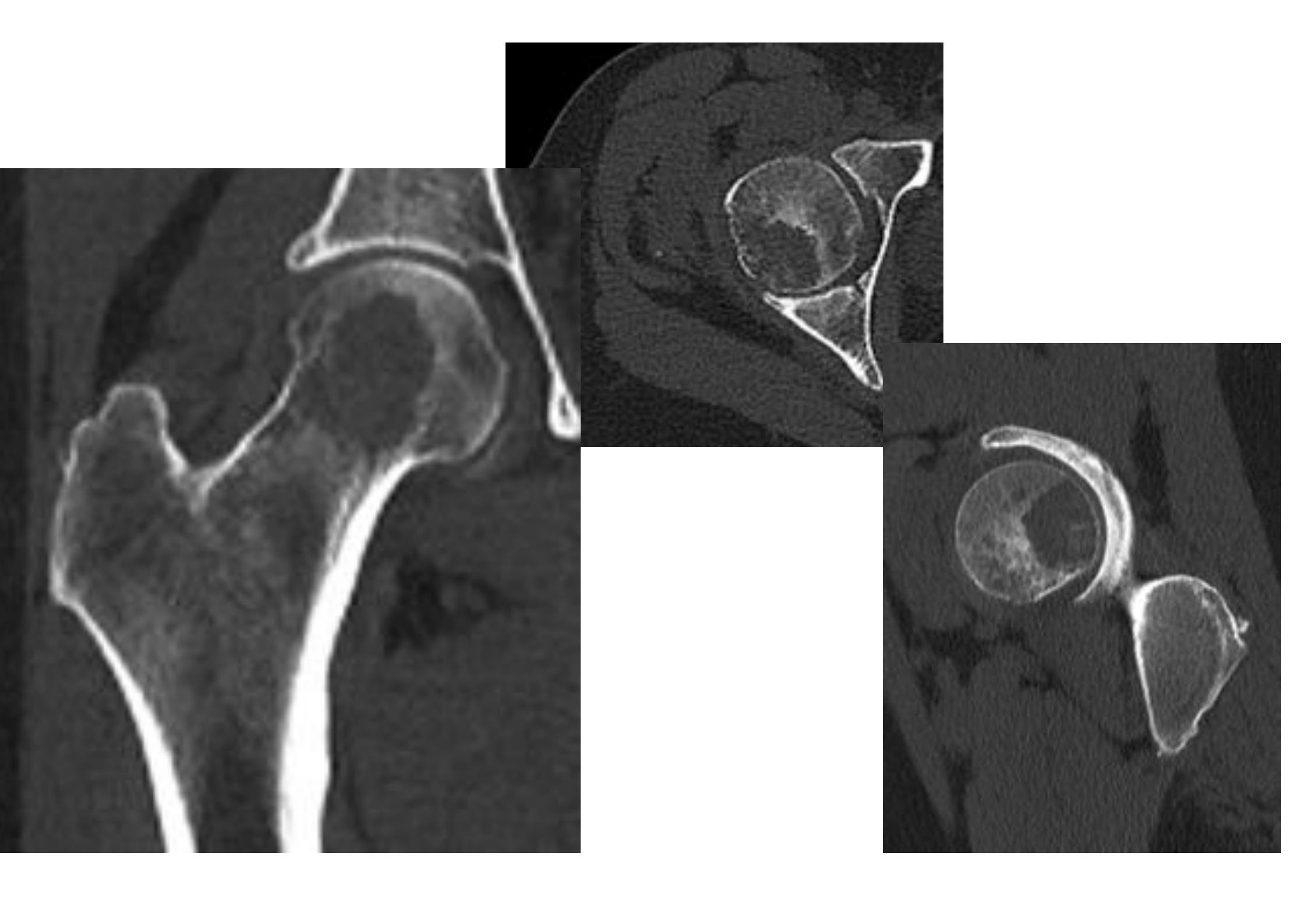
Ostéosynthèse col fémoral

- Evaluation du risque de fracture

Table 1 Mirels Scoring System

Variable	1 Point	2 Points	3 Points
Site	Upper limb	Lower limb	Peritrochanteric
Pain	Mild	Moderate	Functional
Lesion	Blastic	Mixed	Lytic
Extent	Less than one-third	One to two-thirds	Greater than two-thirds

A mean score of 7 or below indicates a low risk of fracture; radiation therapy should be considered. A score of 8 or above suggests a substantial risk and surgical intervention is recommended.





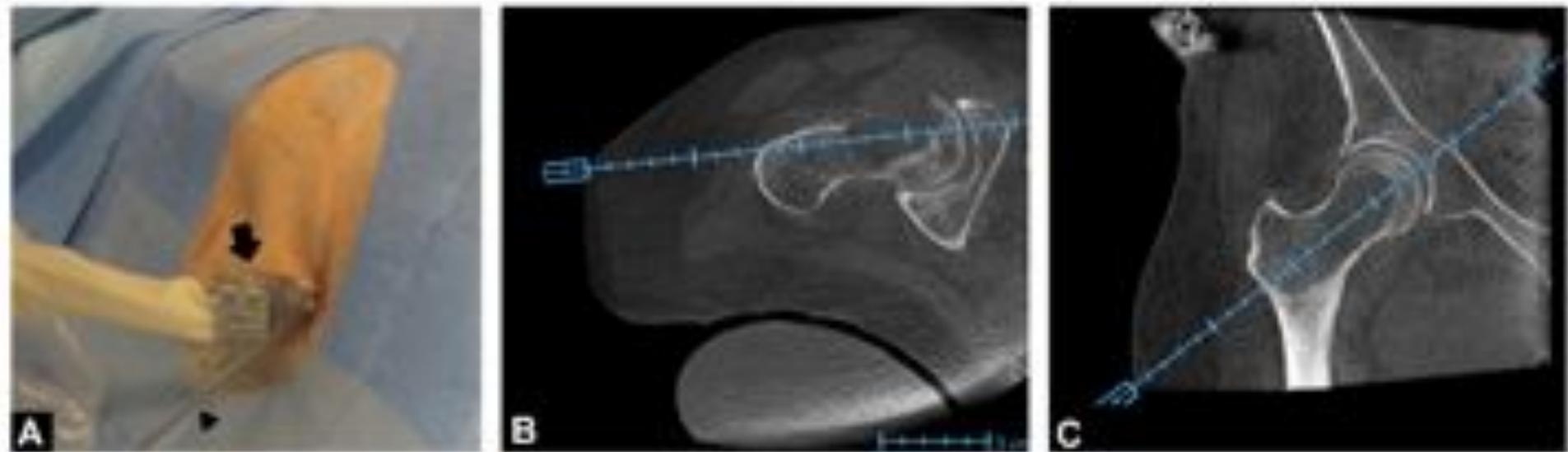
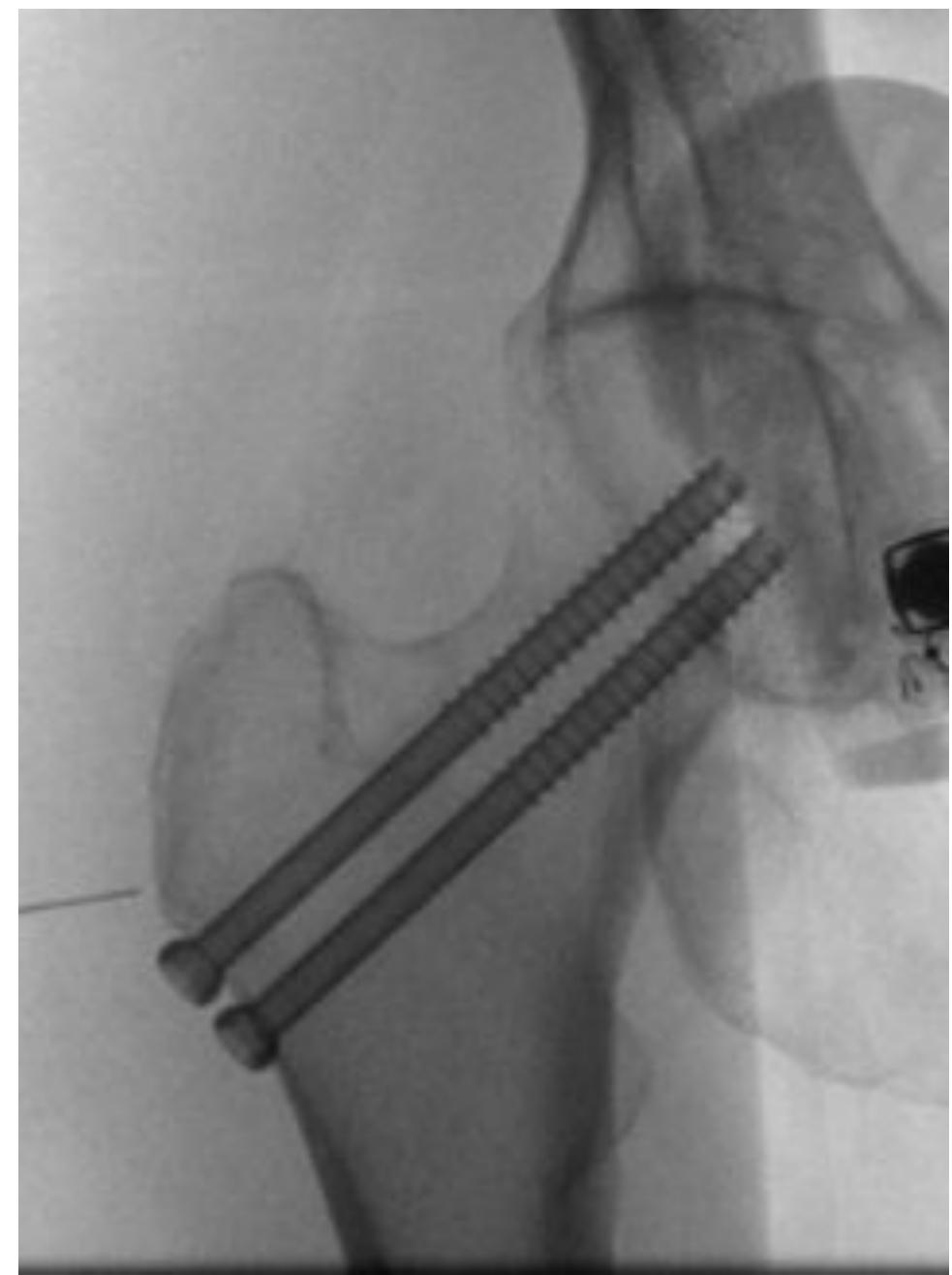
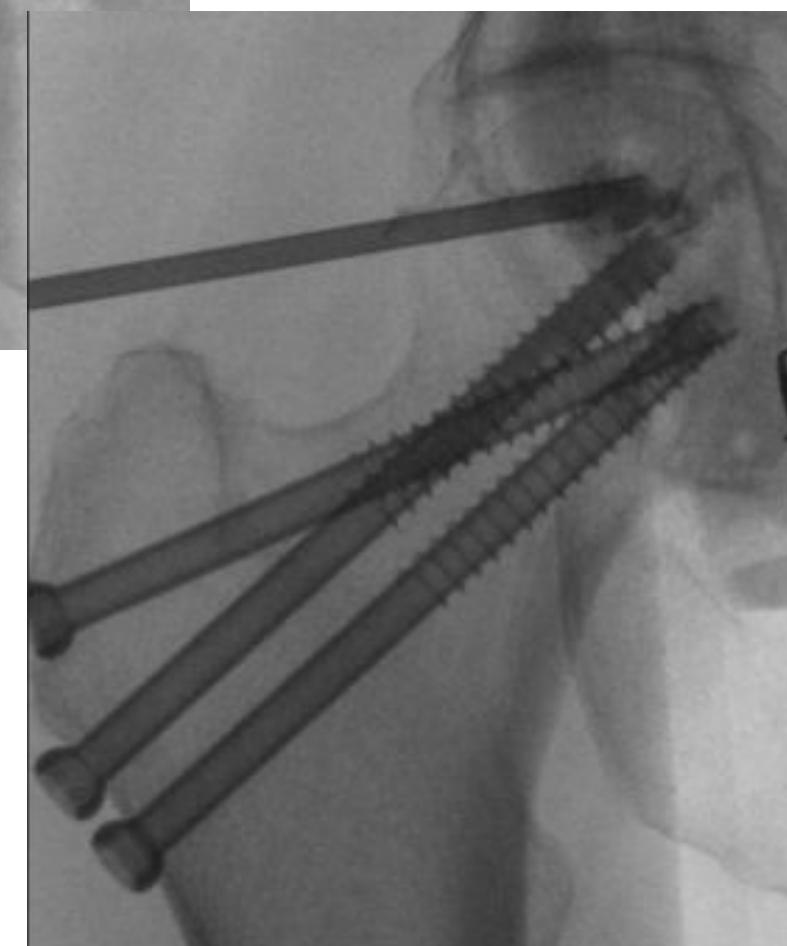
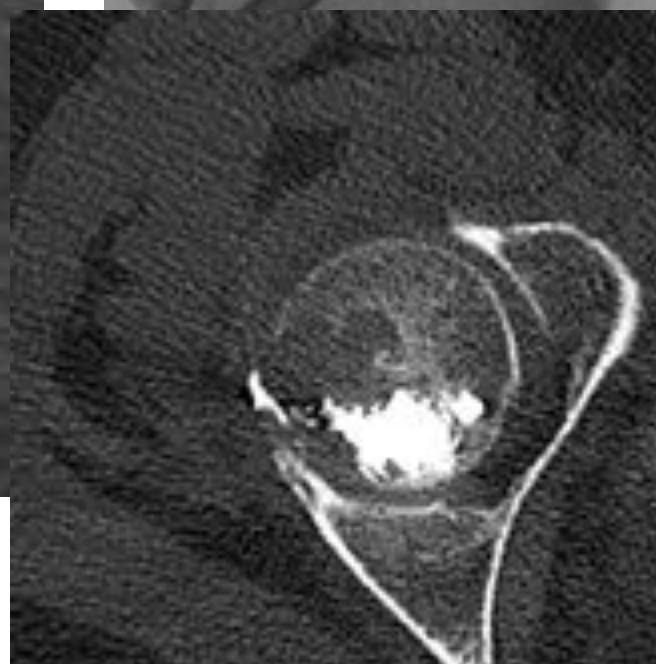
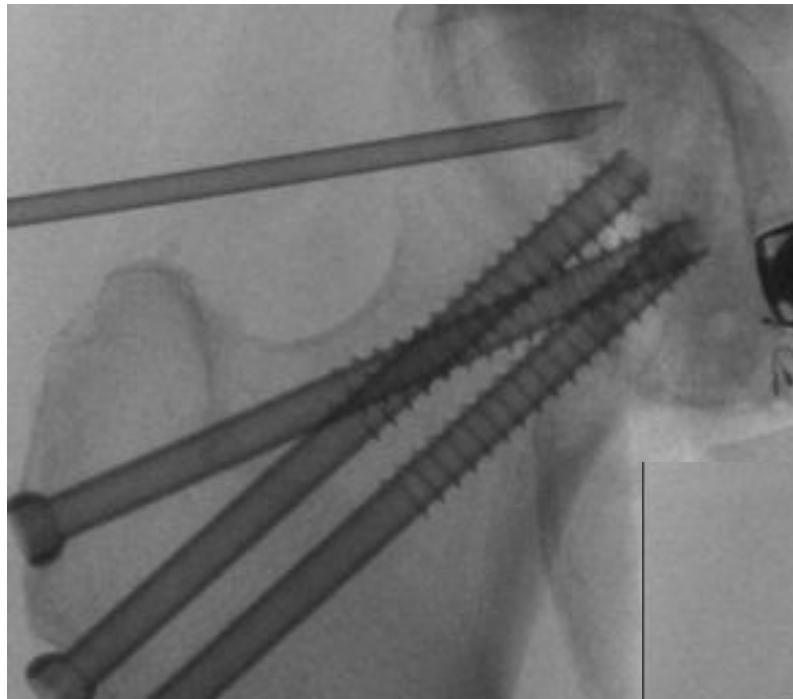
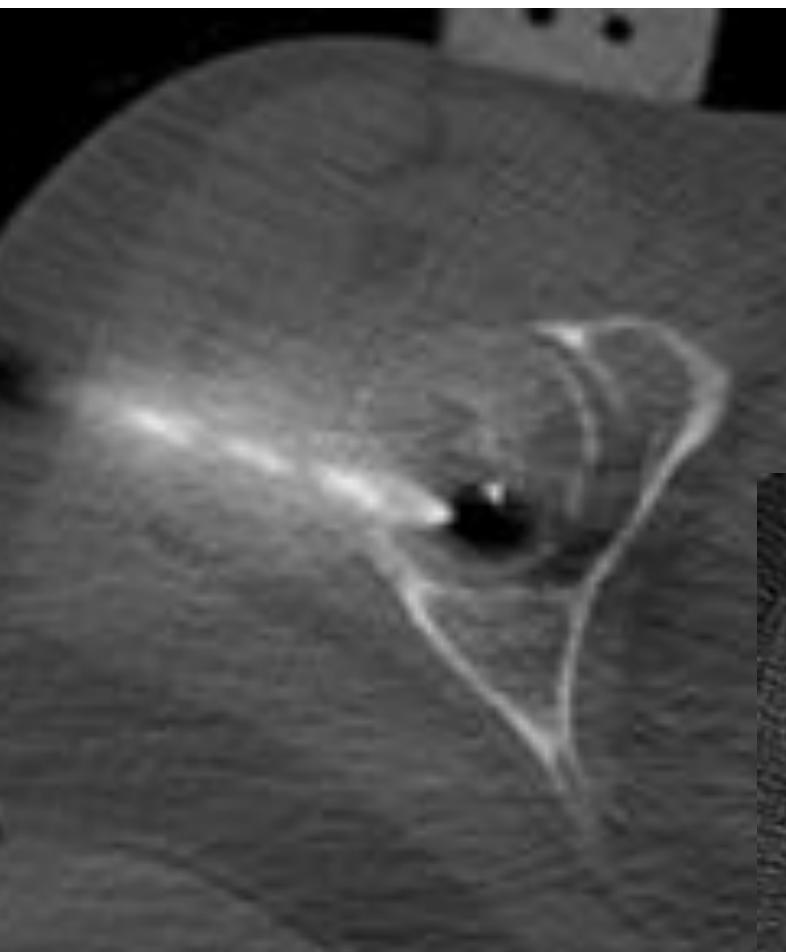


Figure 2. A. Photograph shows peroperative view of the guide pin (arrowhead) that was inserted under computed tomography (CT)-navigation guidance (image sensor) (arrow). B, CT images in the transverse and C, coronal planes show anticipated needle track displayed on two reconstructed images extracted from CT data.











Percutaneous osteosynthesis and cementoplasty for stabilization of malignant pathologic fractures of the proximal femur

E. Mavrovi^{a,*}, J.-B. Pialat^b, H. Beji^a,
A.-C. Kalenderian^a, G. Vaz^c, B. Richioud^a

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^b Department of Radiology, Hôpital Edouard Herriot, Hospices Civils de Lyon, 69003 Lyon, France

^c Department of Oncologic Surgery, Centre Léon-Bérard, 28, rue Laennec, 69008 Lyon, France

12 patients

Ostéolyse pré fracturaire

Suivi moyen: 382 jours, pas de fracture

EVA moyenne passe de 6,8 à 2,3

rdiovasc Intervent Radiol. 2012 Dec;35(6):1428-32. doi: 10.1007/s00270-011-0330-8. Epub 2011 Dec 28.

percutaneous stabilization of impending pathological fracture of the proximal femur.

eschamps F¹, Farouil G, Hakime A, Teriitehau C, Barah A, de Baere T.

- 12 patients
- EVA de 6 à 1
- Pas de fracture pendant le suivi

Y-strut Implant: hyprevention

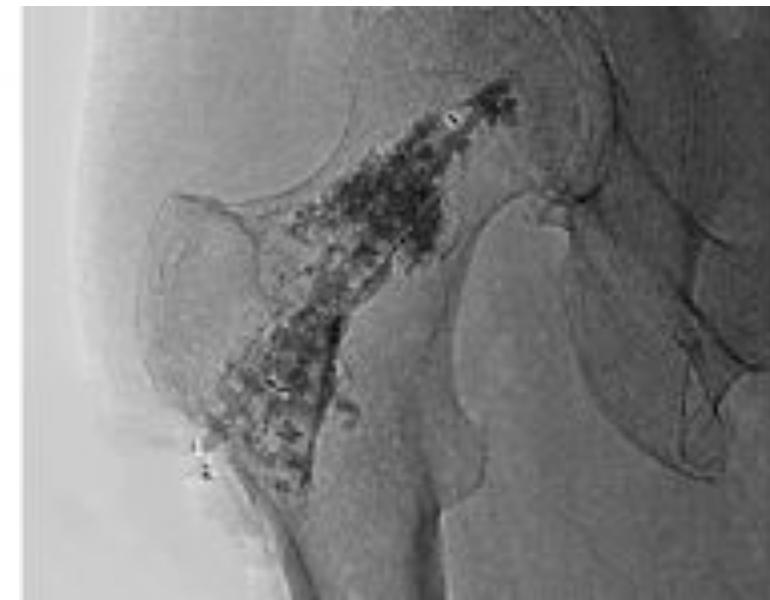
- Dispositif médical implantable
- 2 canules implantables
- Injection de ciment dans la canule



hyprevention®



3



**Y-STRUT****Implant de prévention de fracture de la hanche****Demande d'inscription (LPP)****Avis de la CNEDIMTS du
20 septembre 2016****Service attendu****Insuffisant**

Insuffisant. Les données disponibles ne permettent pas d'établir l'intérêt du dispositif Y-STRUT dans les indications revendiquées.

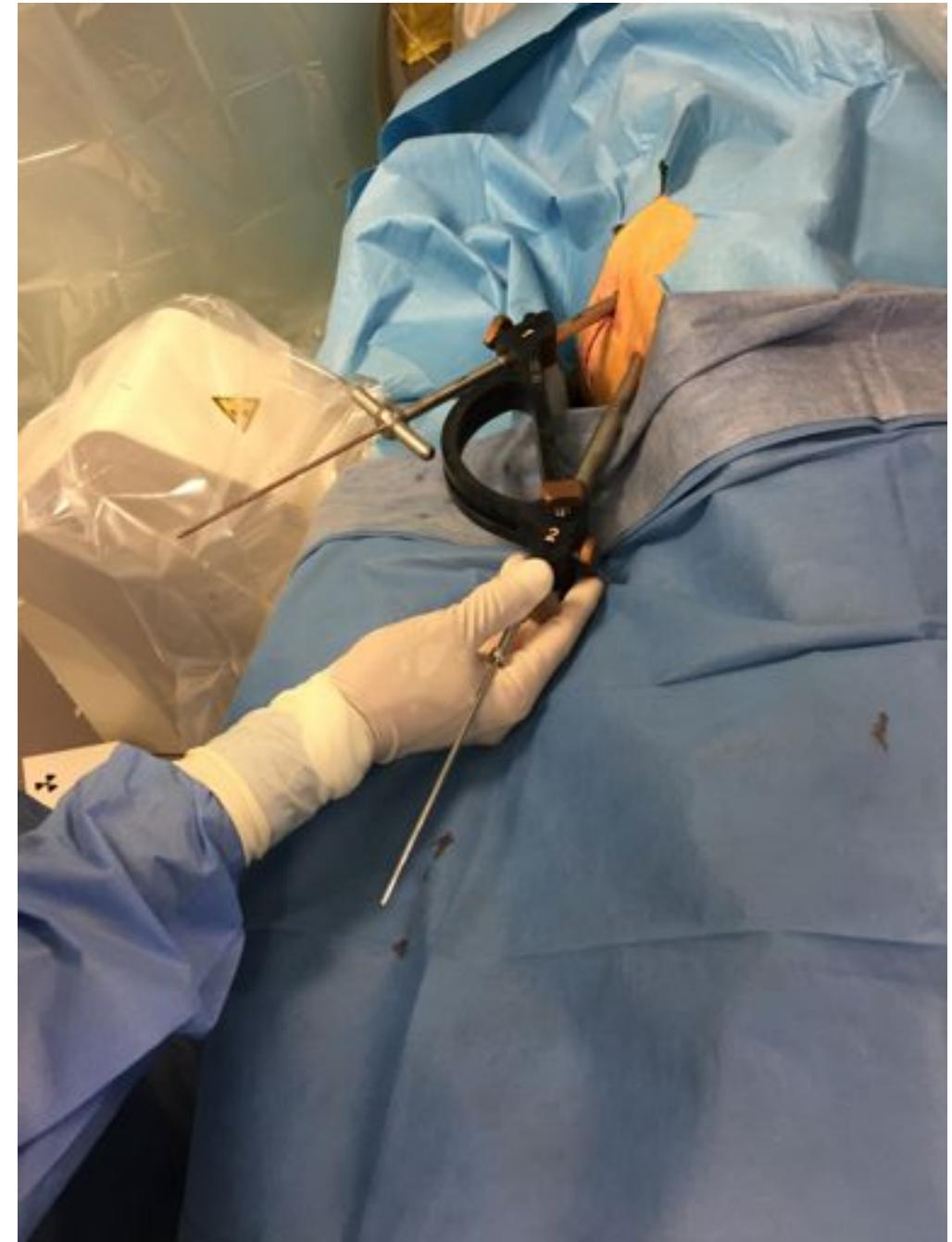
Documents[» Y-STRUT](#) (1,15 Mo) Écouter**Laboratoire / Fabricant**
HYPREVENTION SAS*Mise en ligne le 10 oct. 2016*

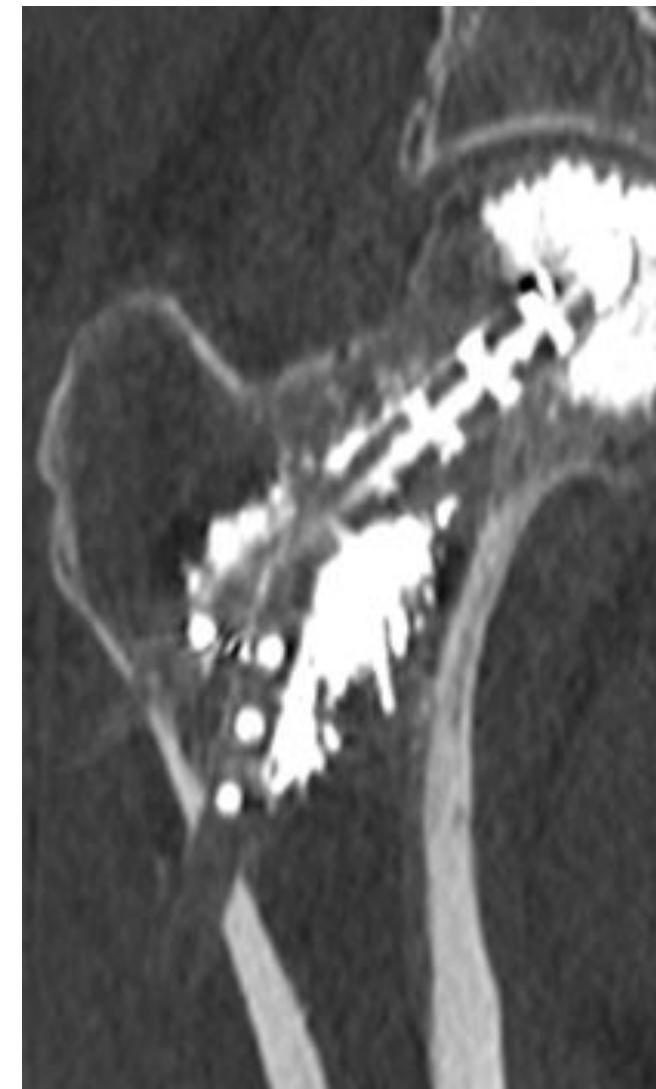
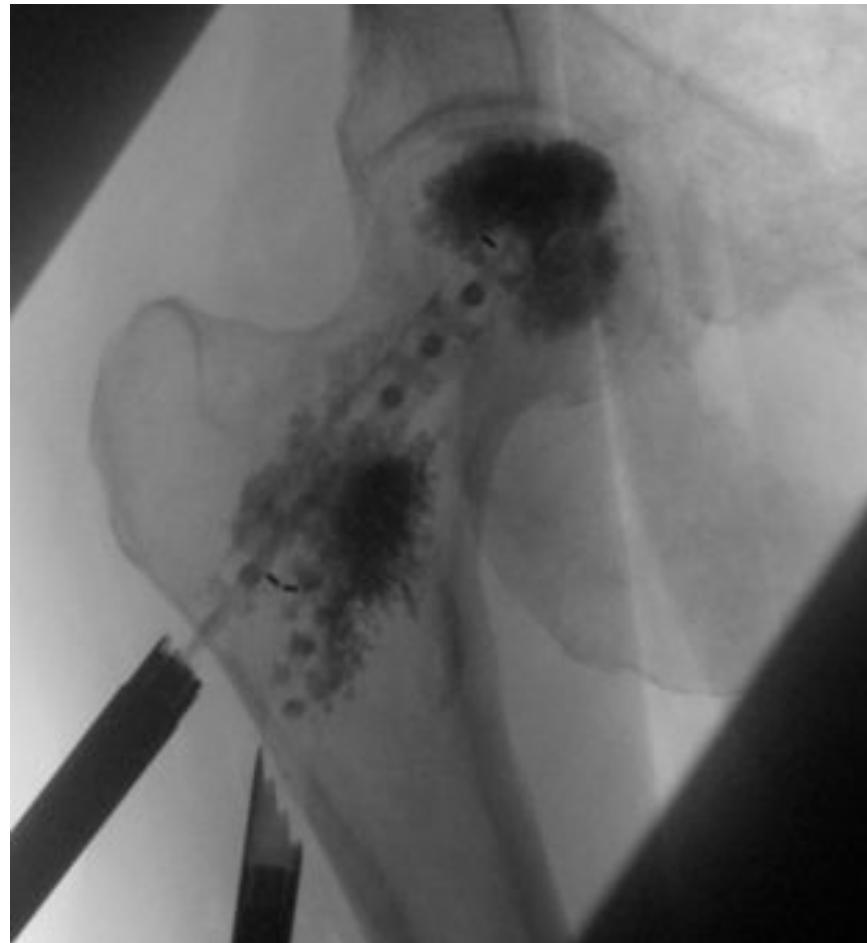
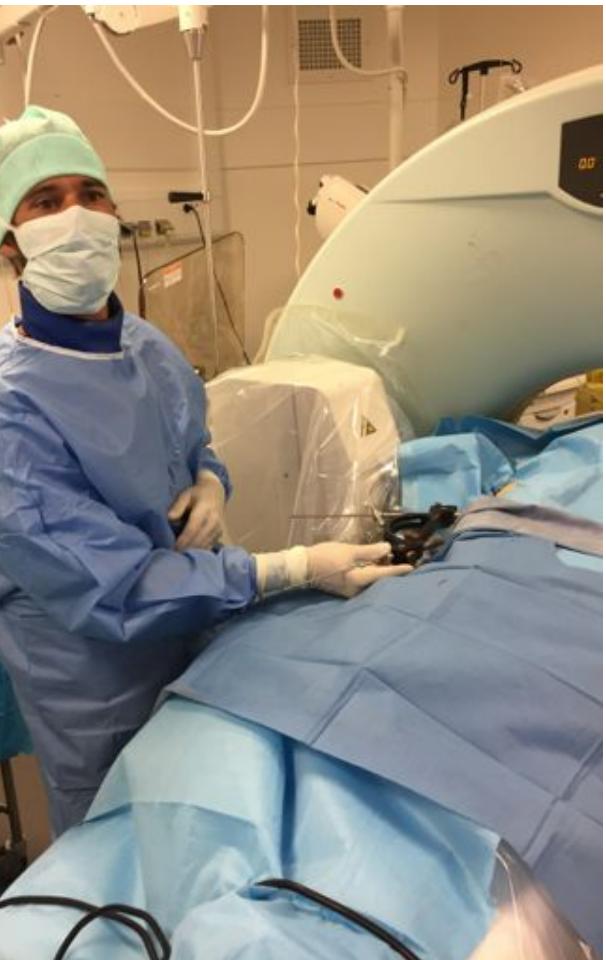
Etude Hip#0: prévention fracture ostéoporotique lorsque fracture controlatérale
4 patients inclus

Etude HIPPON: 10 patients . 1 fracture de l'implant

Effectifs trop faibles.

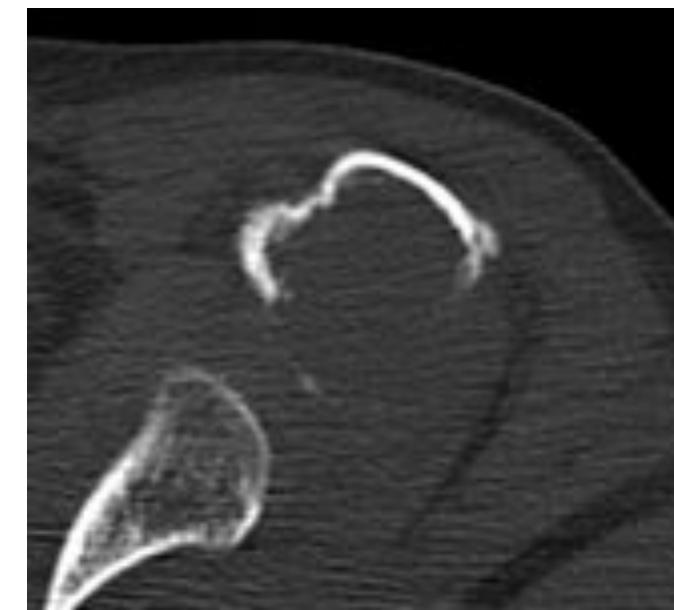
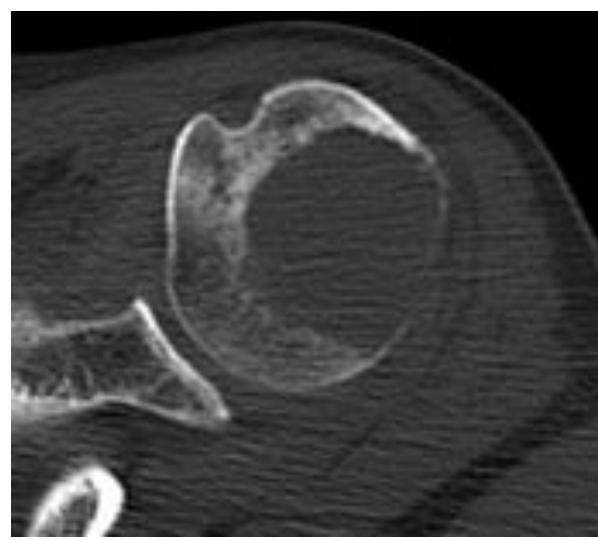


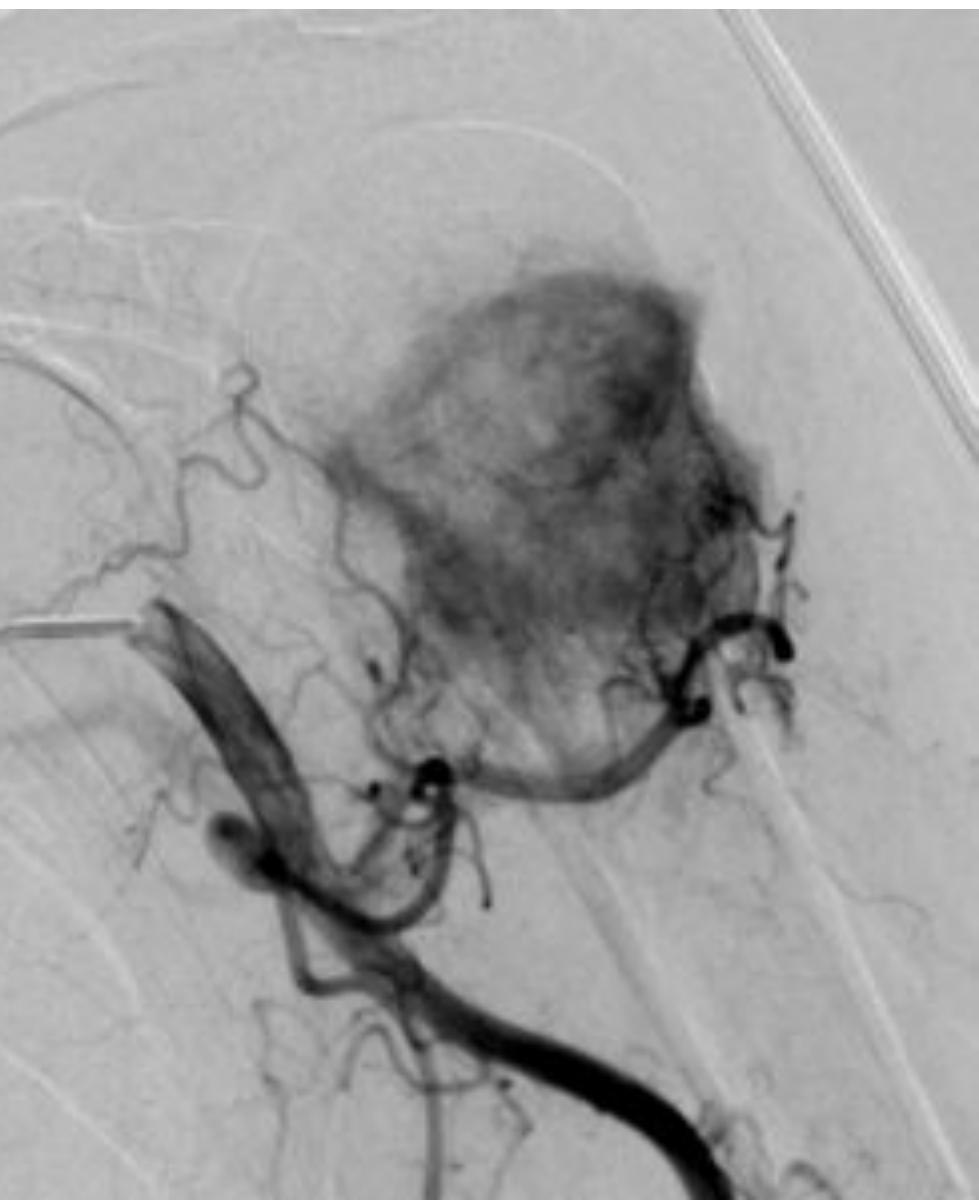


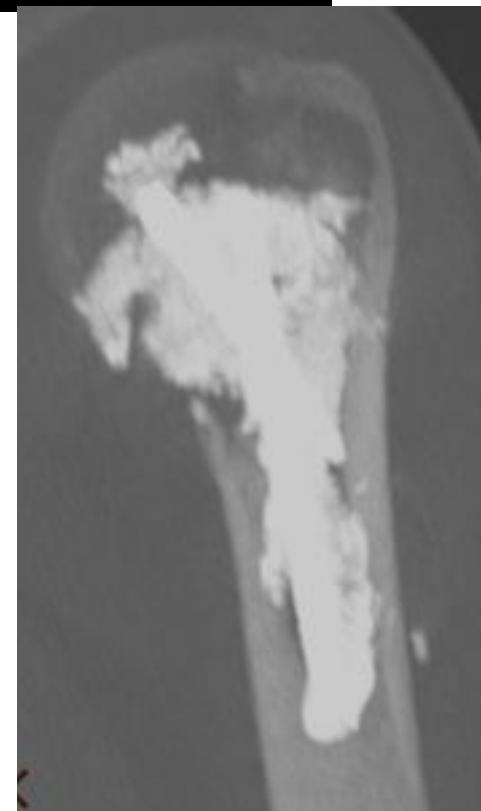
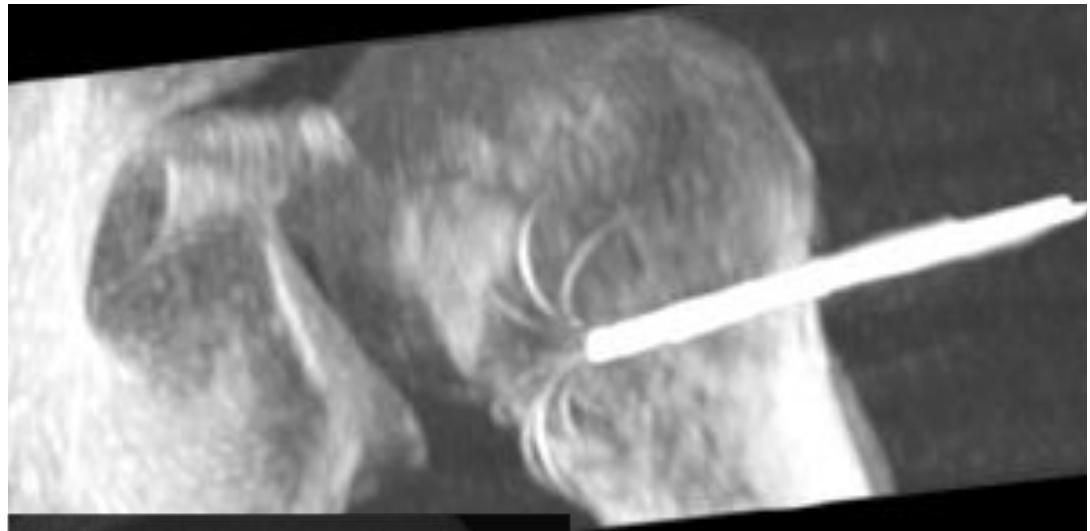


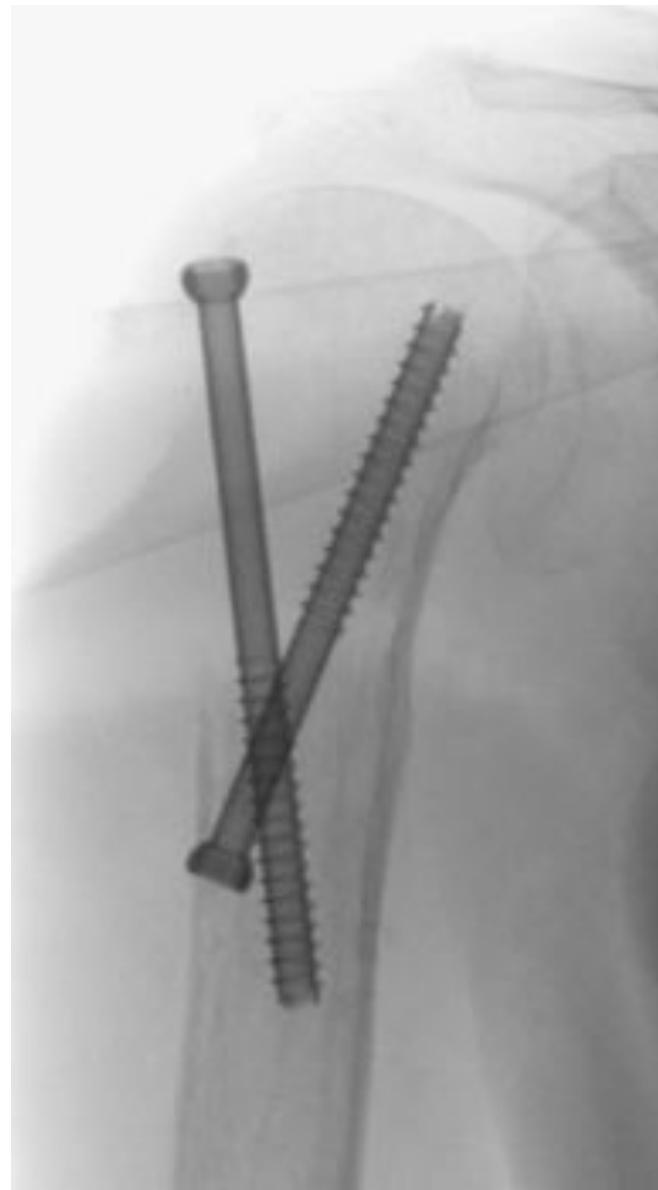
Membre supérieur

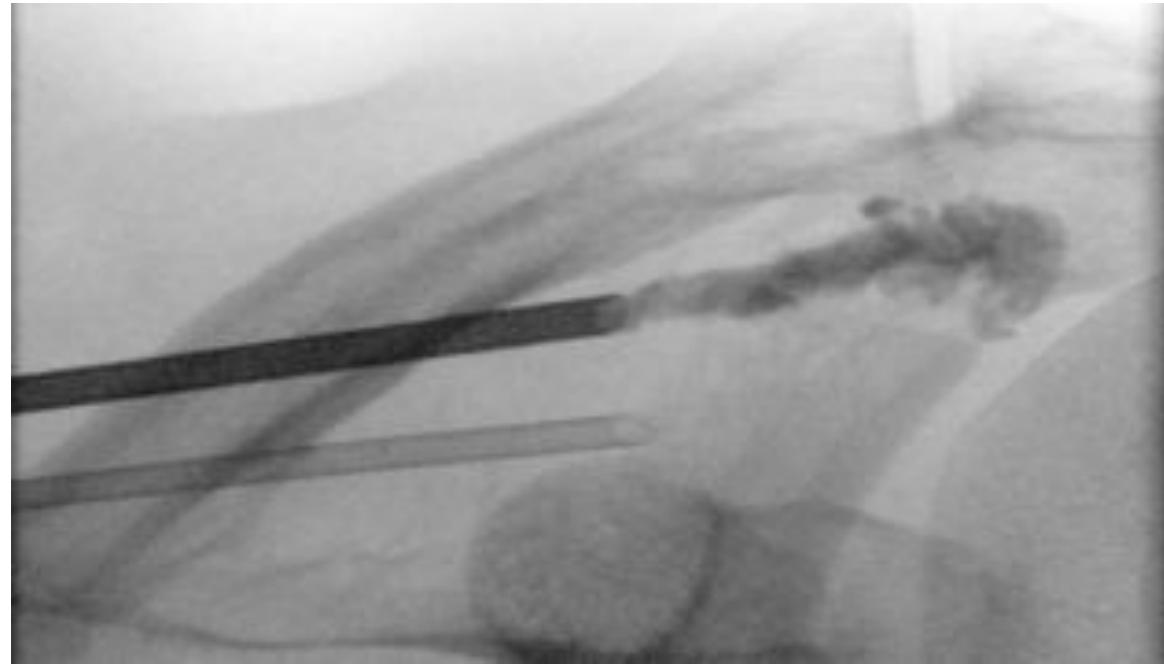
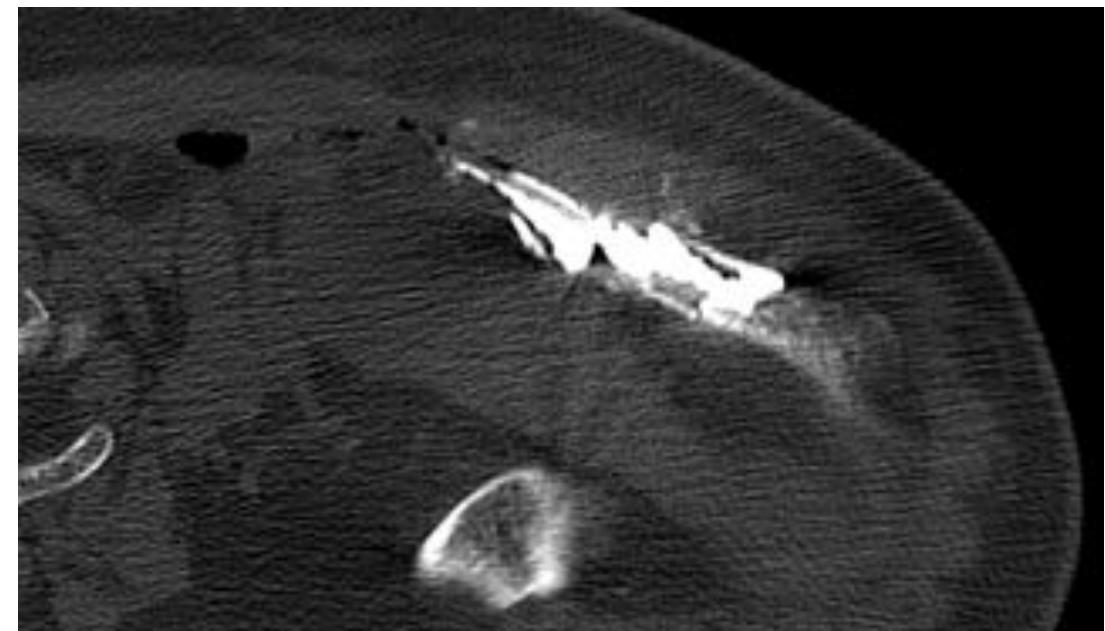
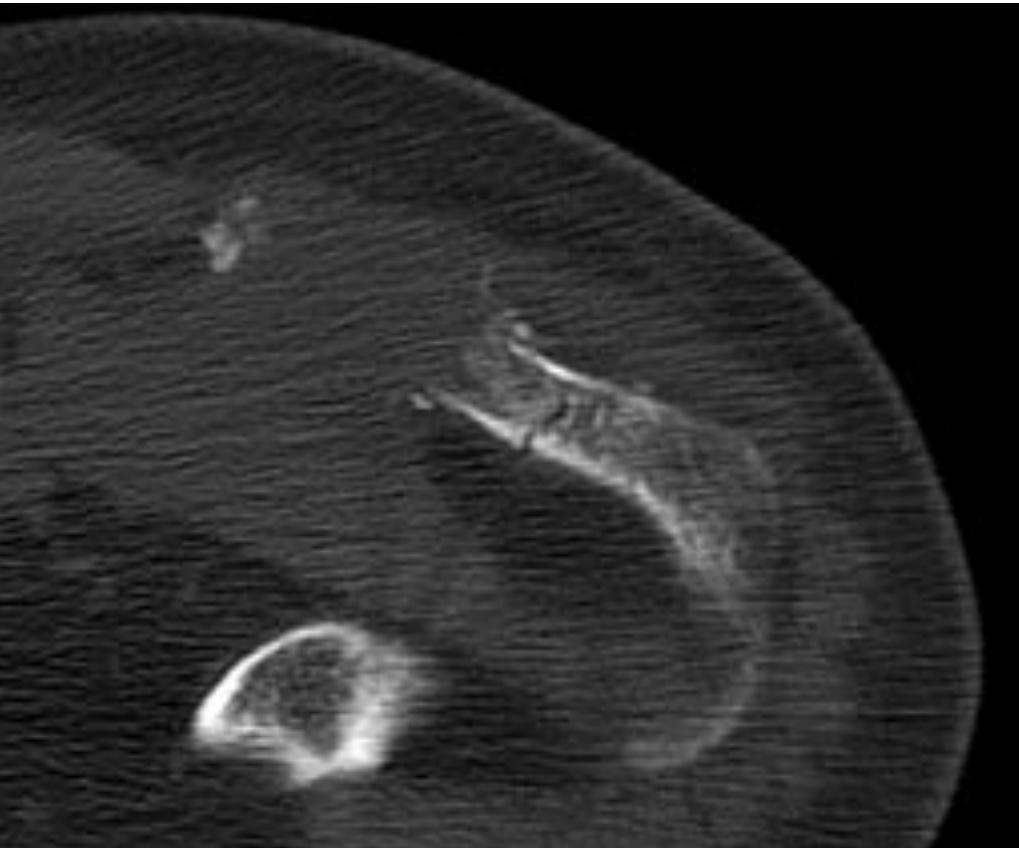
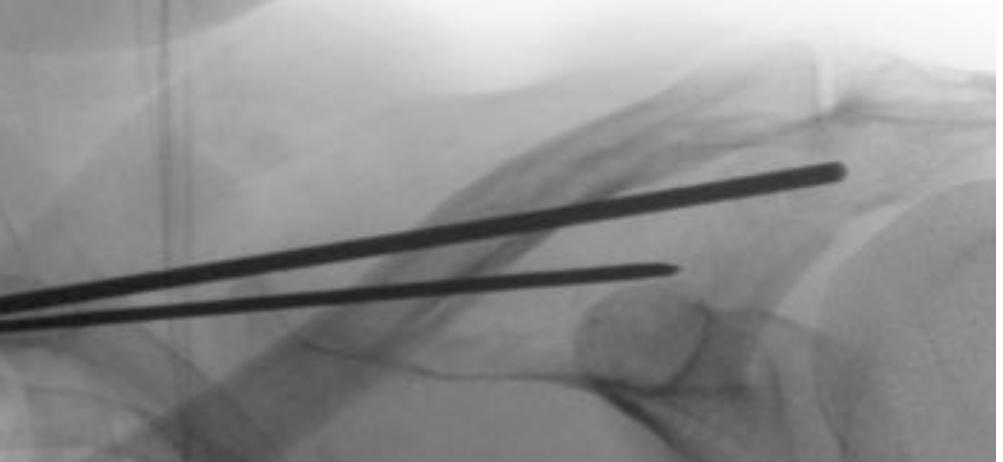
- Palliatif +++
- Stabilisation des fractures humérales







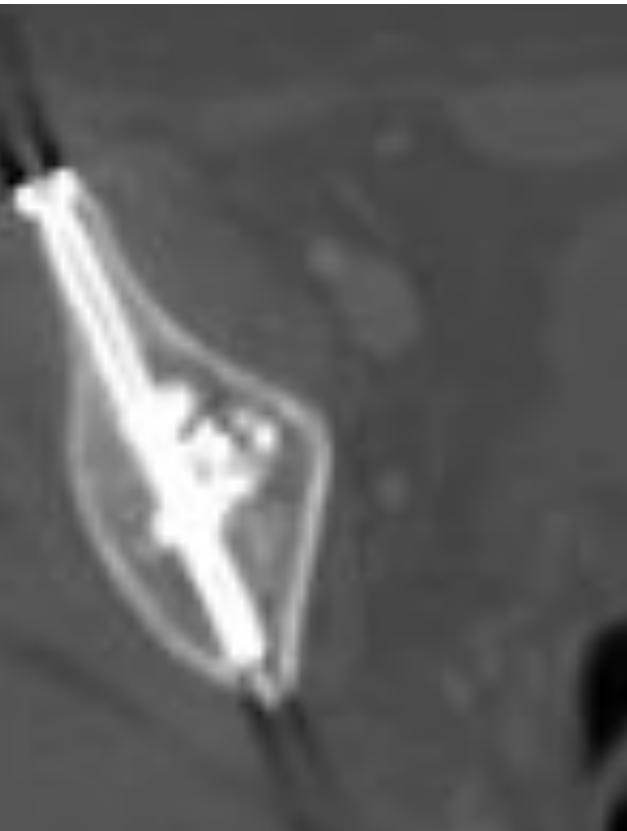




Ostéosynthèse du bassin

- Fractures ailes iliaques
- Branches ischios pubiennes
- Cotyles
- Sacrum





cardiovasc Intervent Radiol. 2009 Nov;32(6):1227-34. doi: 10.1007/s00270-009-9618-3. Epub 2009 Jun 25.

Computed axial tomography-guided fixation of sacroiliac joint disruption: safety, outcomes, and results at 3-year follow-up.

moretti N¹, Hovorka I, Marcy PY, Hauger O, Amoretti ME, Lesbats V, Brunner P, Maratos Y, Stedman S, Boileau P.

- 20 patients
- 19 disparitions complètes des douleurs

AJR Am J Roentgenol. 2013 Feb;200(2):447-50. doi: 10.2214/AJR.11.7968.

Percutaneous screw fixation of acetabular roof fractures by radiologists under CT and fluoroscopy guidance.

Amoretti N¹, Huwart L, Hauger O, Marcy PY, Nouri Y, Ibba C, Boileau P.

42 patients

Consolidation chez tous les patients

Et la colonne?

Arthrodèse transfacettaire

Clin Imaging. 2005 Jul-Aug;29(4):231-4.

Posterior arthrodesis of the spine by percutaneous CT-guided application of screws: preliminary report.

Amoretti N¹, Hovorka E, Dausse F, Chevallier P, Brunner P, Boileau P, Bruneton JN.



Eur J Radiol, 2012 Mar;81(3):591-3. doi: 10.1016/j.ejrad.2011.01.058. Epub 2011 Feb 25.

Percutaneous screw fixation of a vertebral pedicle fracture under CT-guidance: a new technique.

Amoretti N¹, Marcy PY, Hauger O, Browaeys P, Amoretti ME, Hoxorka I, Boileau P.

✉ Author information

1 Radiology Department, Centre Hospitalier Universitaire de Nice, 06200 Nice, France. amorettinicolas@yahoo.fr