

Lotus et stent cousu

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CH CHARTRES



Aucun conflit d'intérêt à déclarer

Femme 24 ans, VIH sous trithérapie ARV

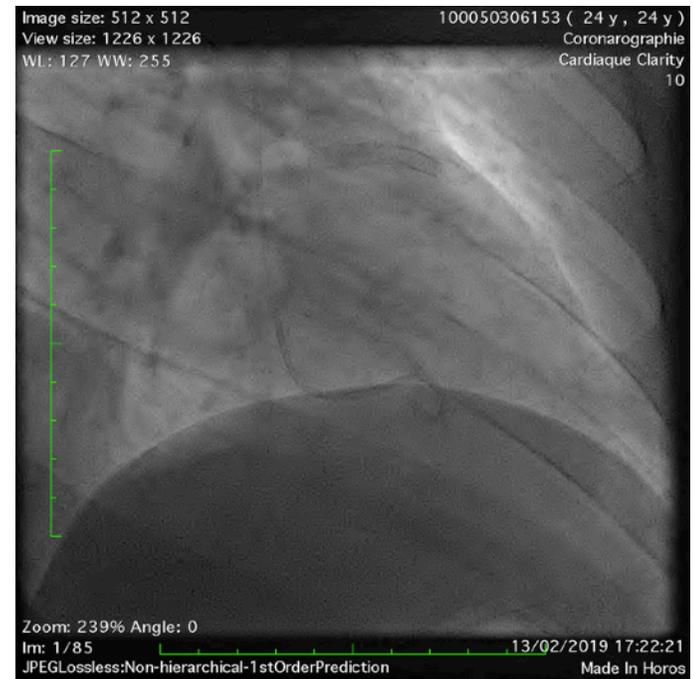
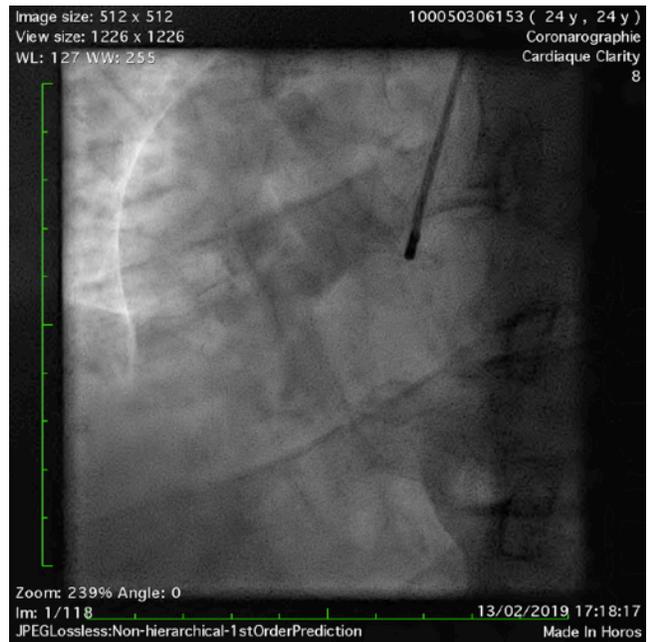
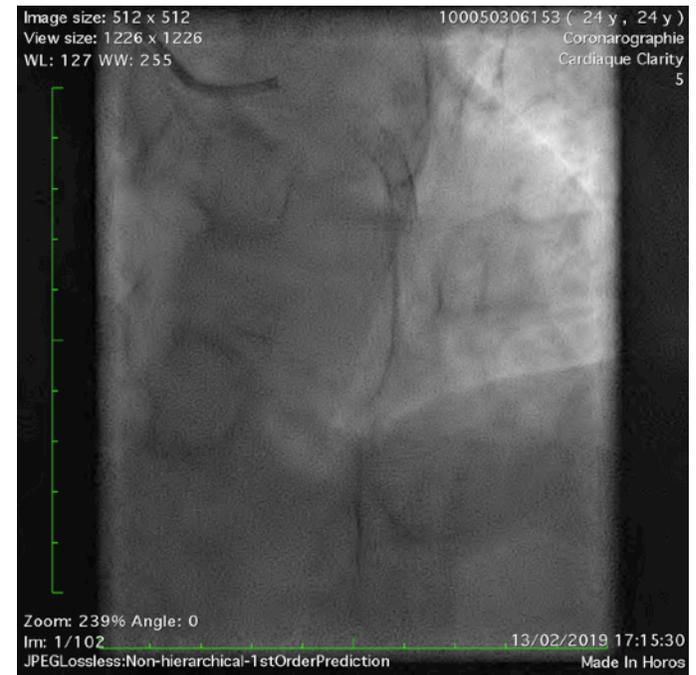
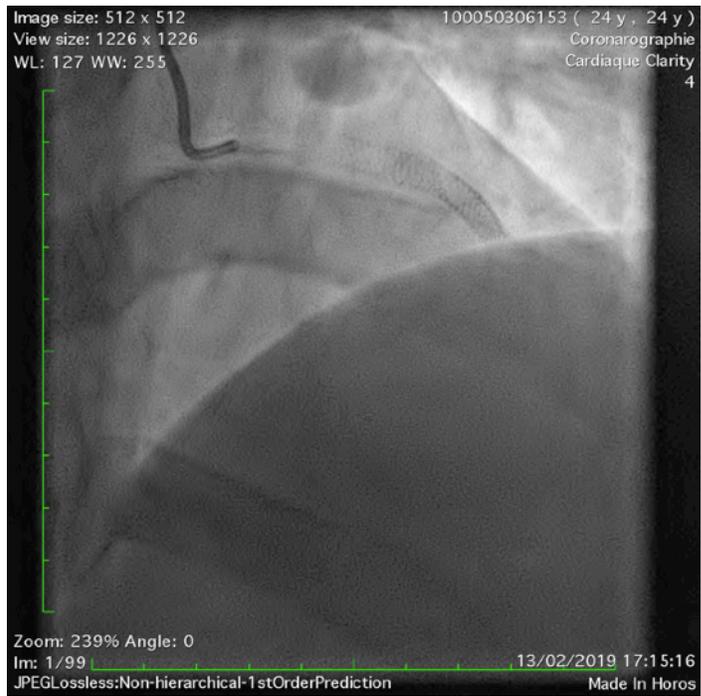
FDRCV

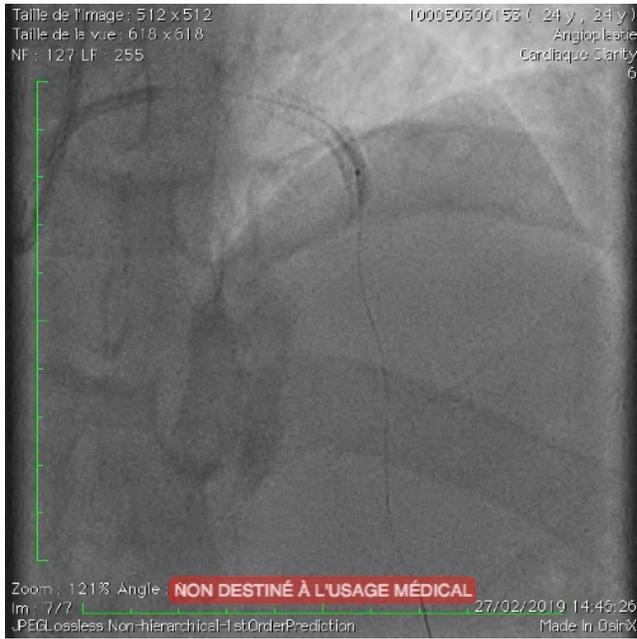
- HTA
- Diabète
- Surpoids (IMC 30)

Antécédents

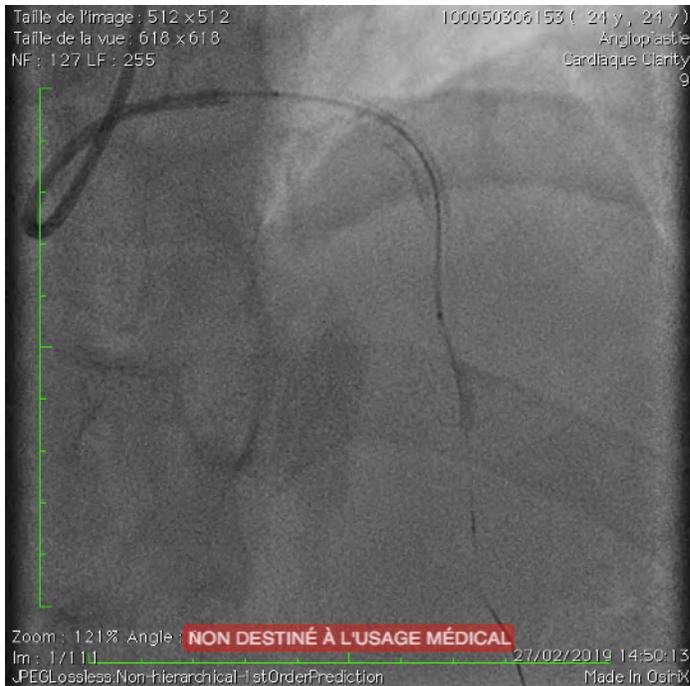
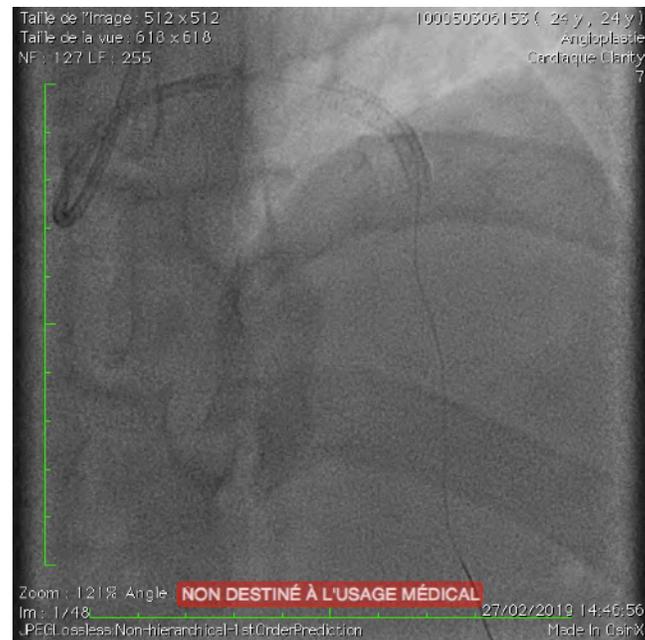
- À 18 ans : IDM antérieur => ATL IVA BMS
- À 22 ans : SCA ; resténose IVA => DES

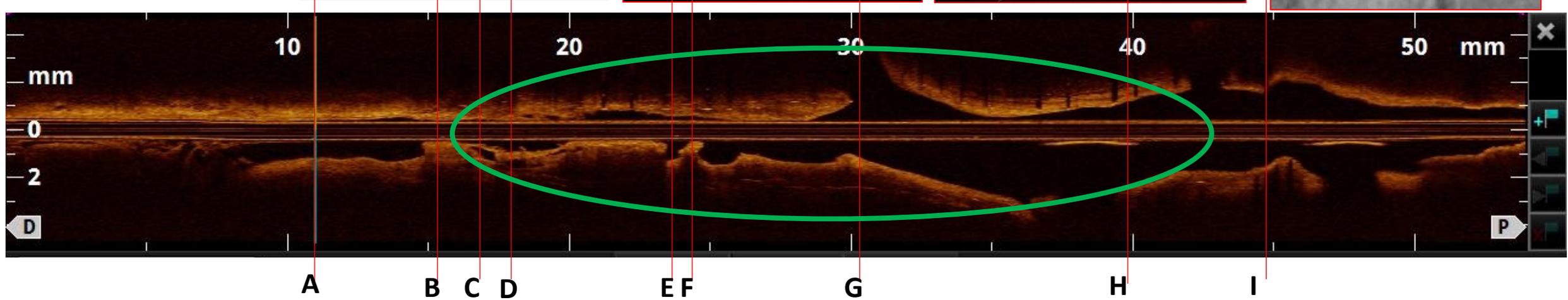
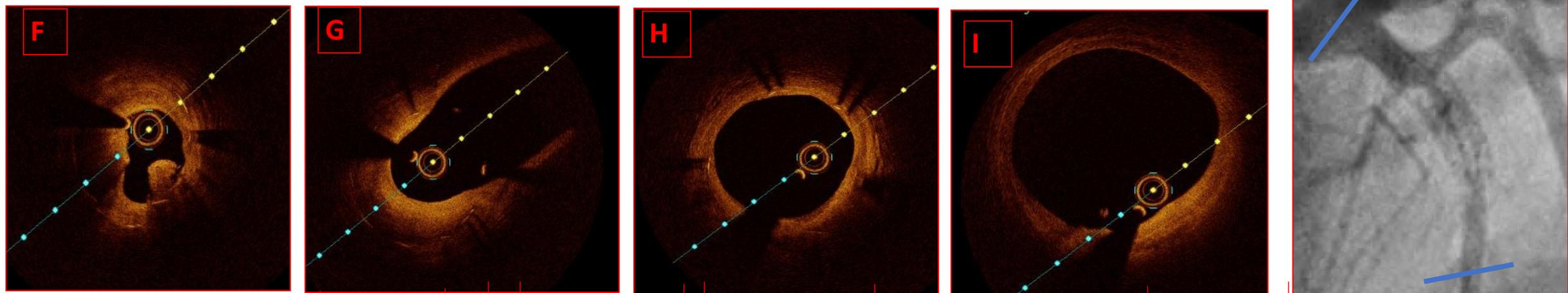
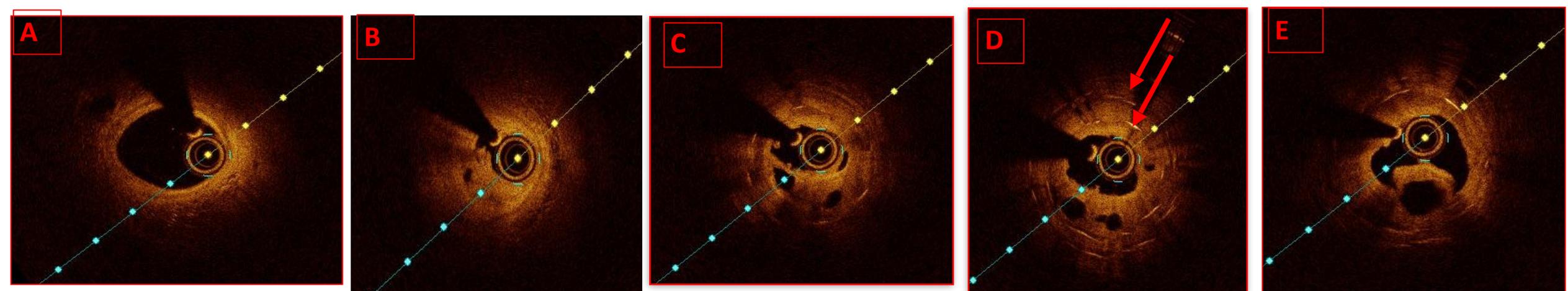
- Angor d'effort depuis 4 mois
- Echo dobu : positive cliniquement

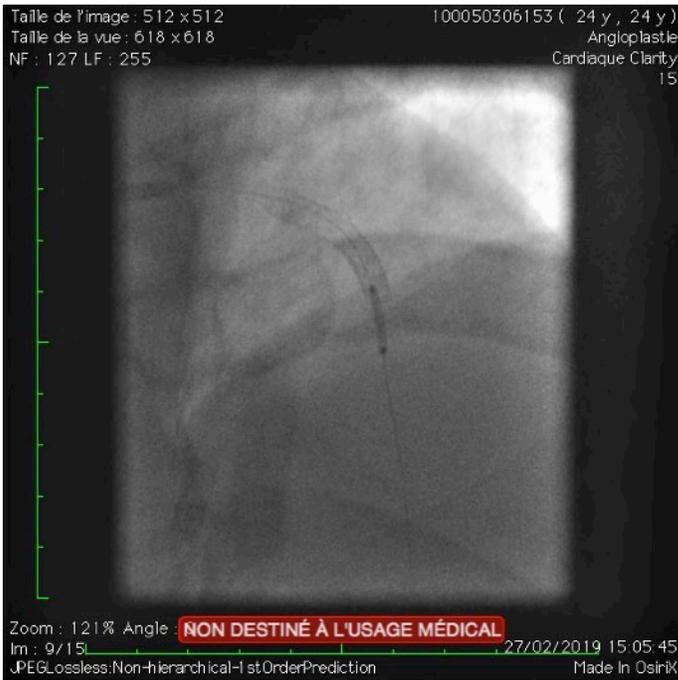




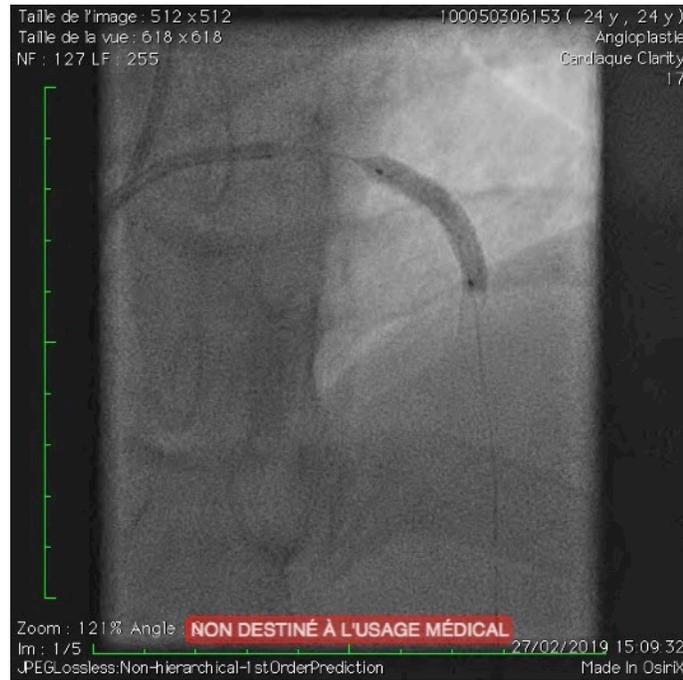
Ballon 1,5 mm



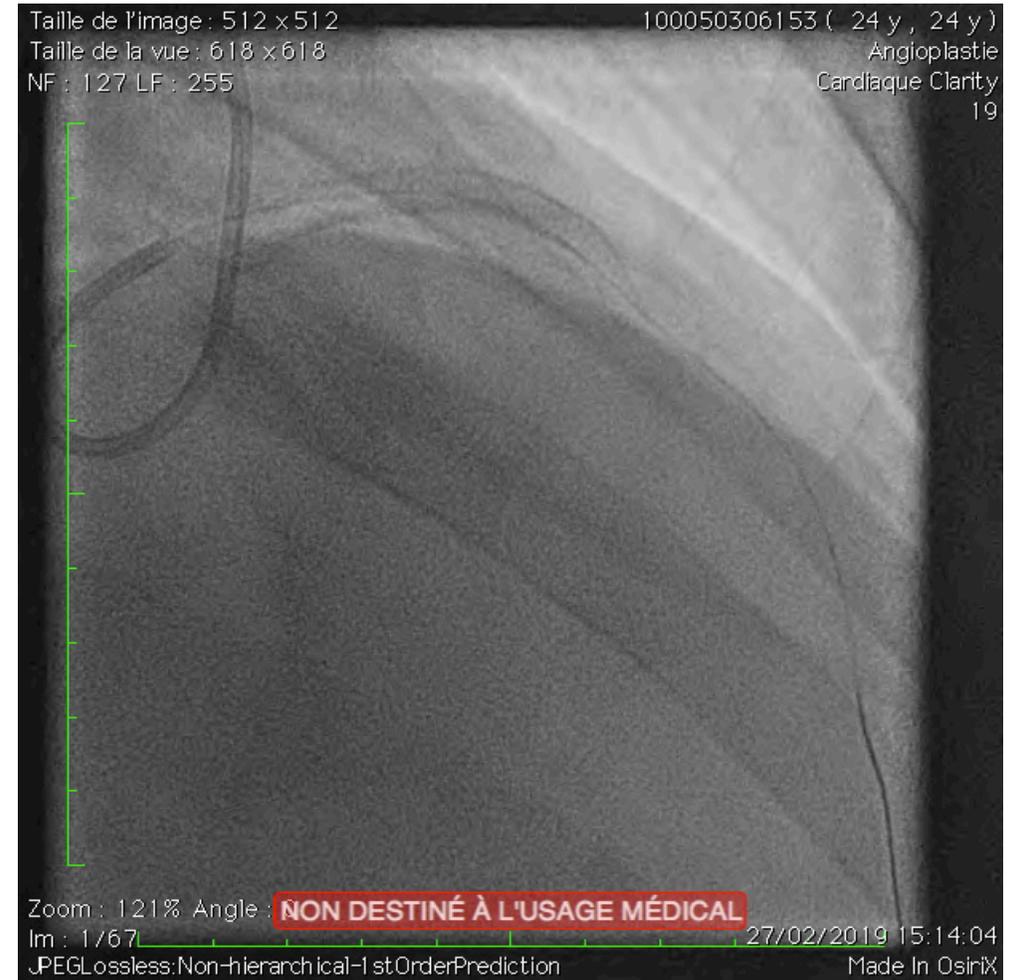




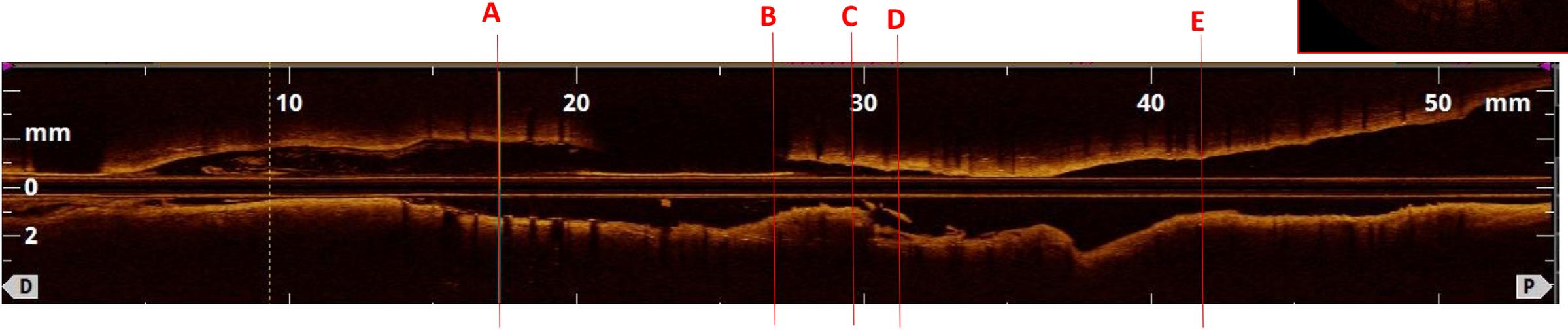
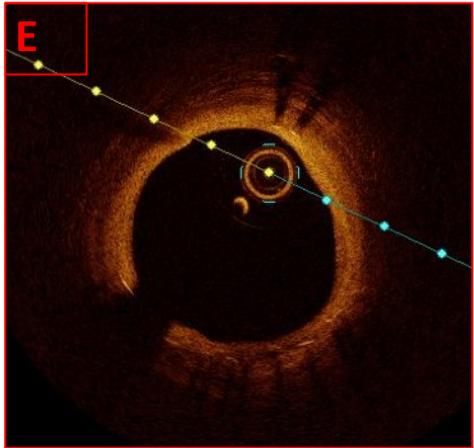
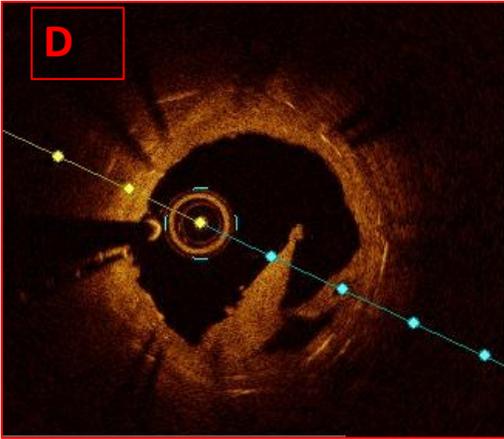
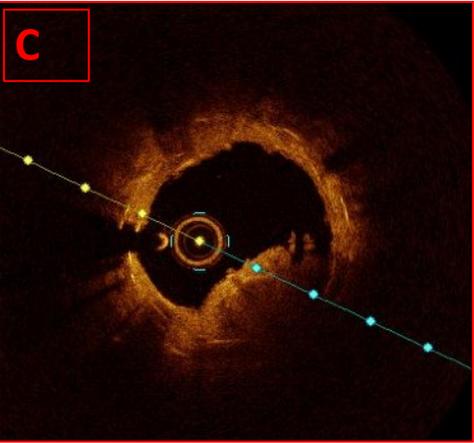
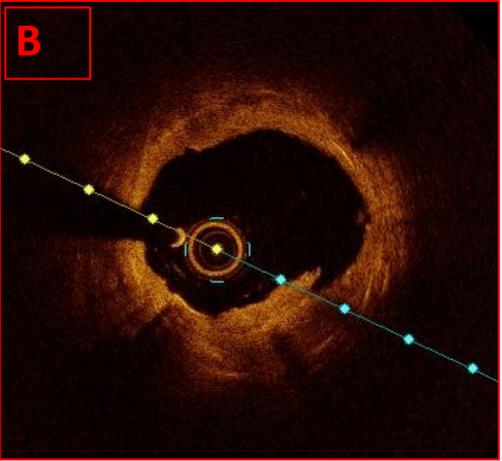
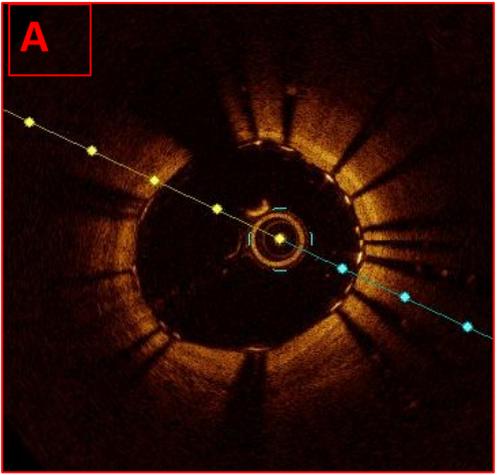
DES 3.5 x 12 mm



DEB 3.5 x 30 mm



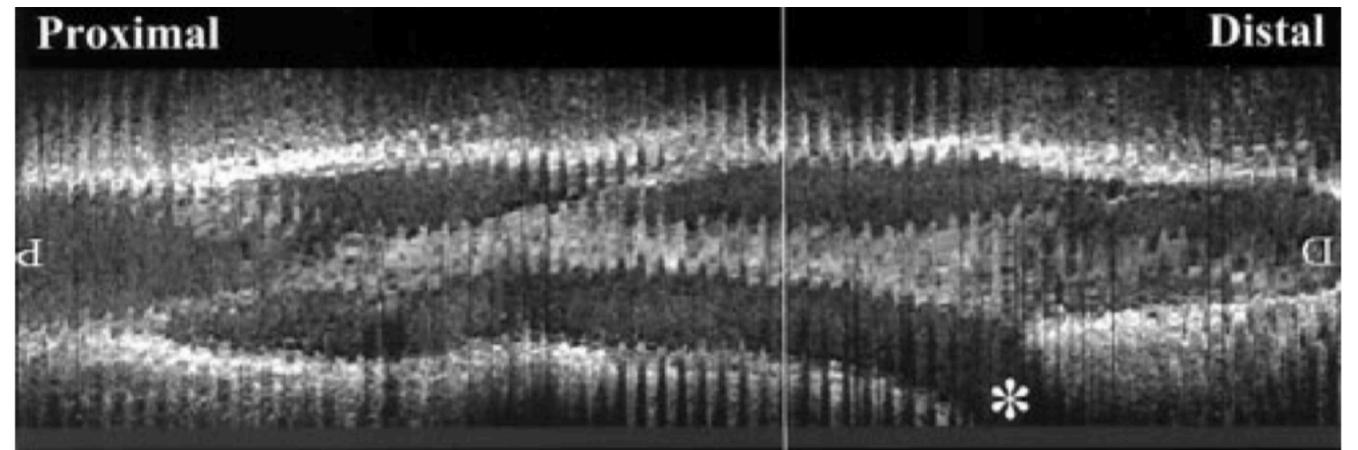
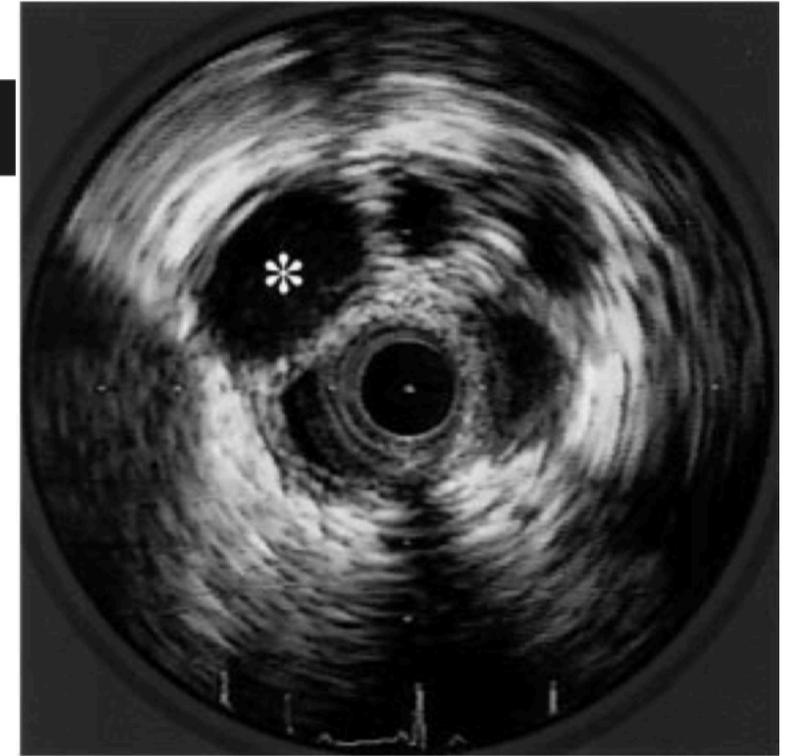
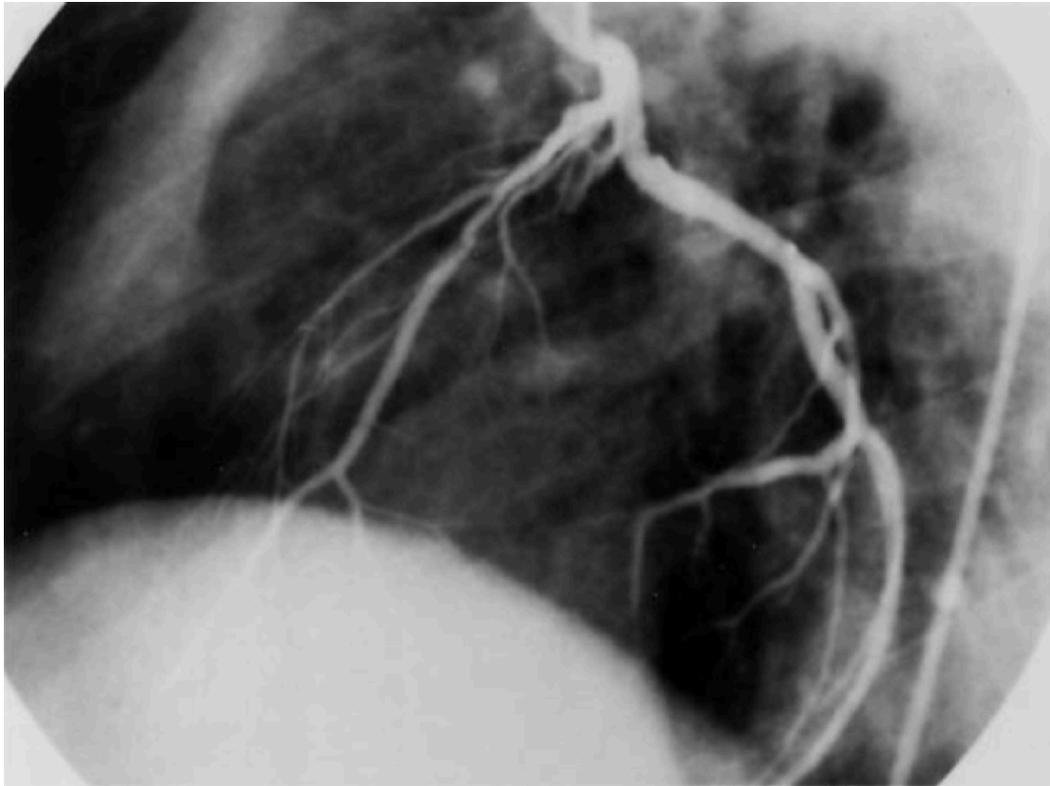
Implantation DES en aval et ballon actif



Lotus Root : 1ère description

Images in Cardiovascular Medicine

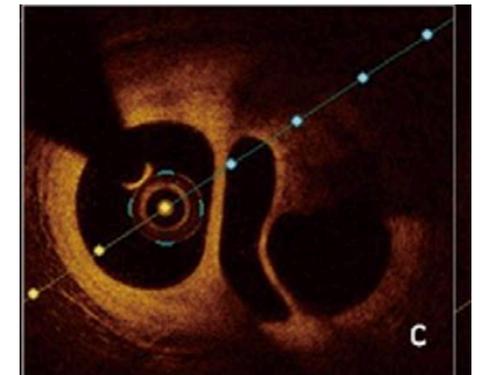
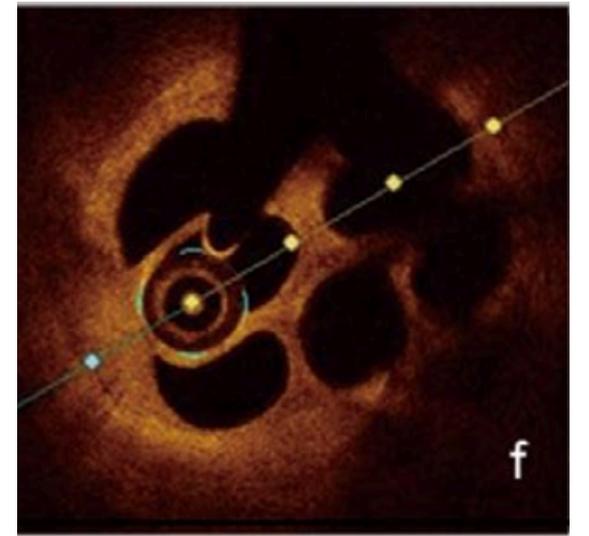
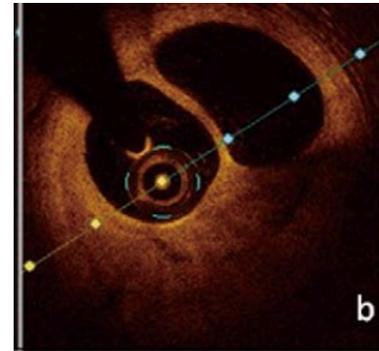
**“Arteries Within the Artery” After Kawasaki Disease
A Lotus Root Appearance by Intravascular Ultrasound**
Circulation 2002;106:887



Lotus Root : c'est quoi?

« Swiss cheese »
« Honeycomb »
« Spider web »

- Thrombus vieilli
- recanalisé
- sous forme de plusieurs chenaux



Lotus Root : diagnostic angiographique



Circ J
doi:10.1253/circj.CJ-17-0810

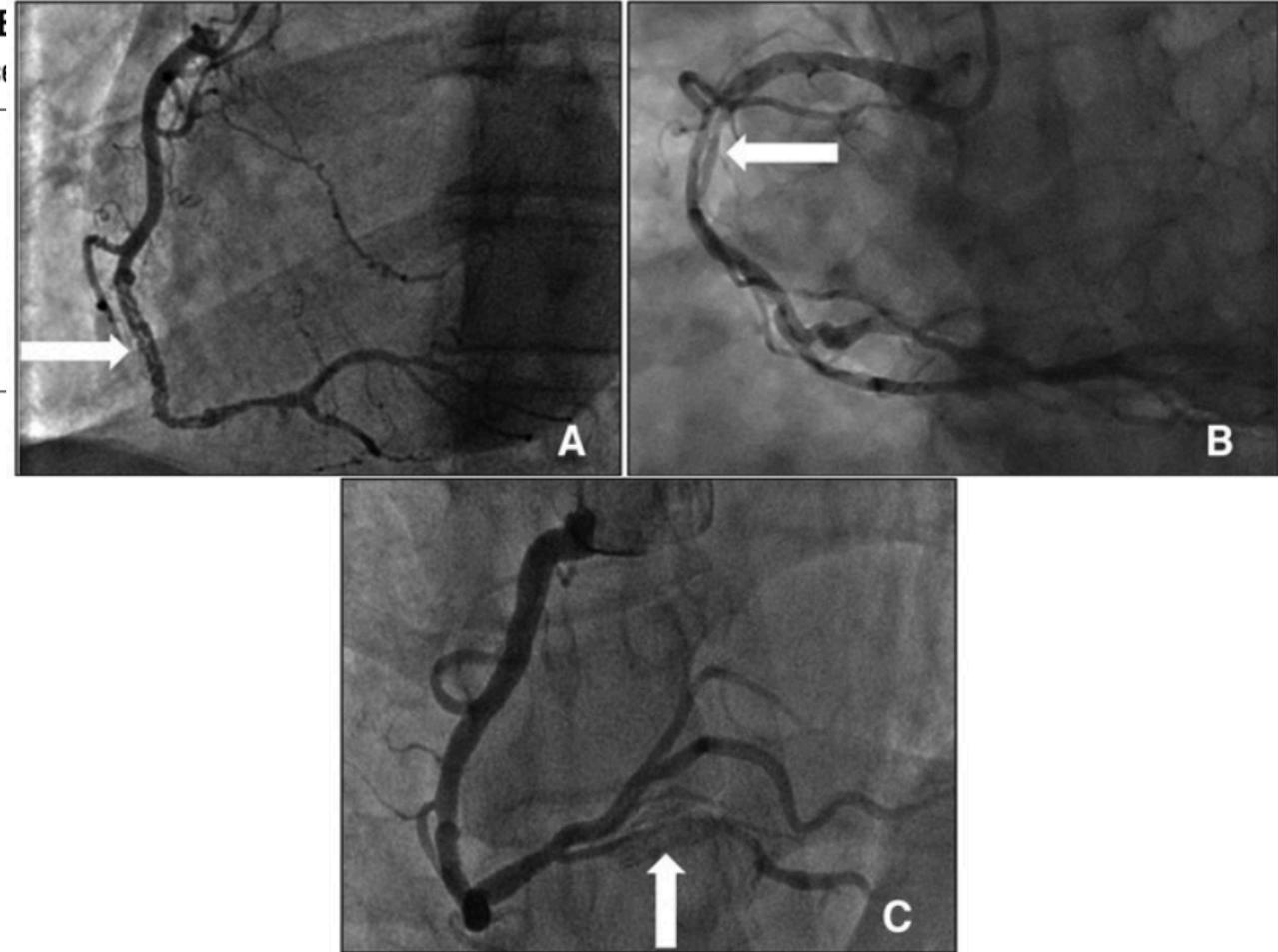
ORIGINAL ARTICLE
Ischemic Heart Disease

Diagnosis and Management of Spontaneously Recanalized Coronary Thrombus Guided by Optical Coherence Tomography

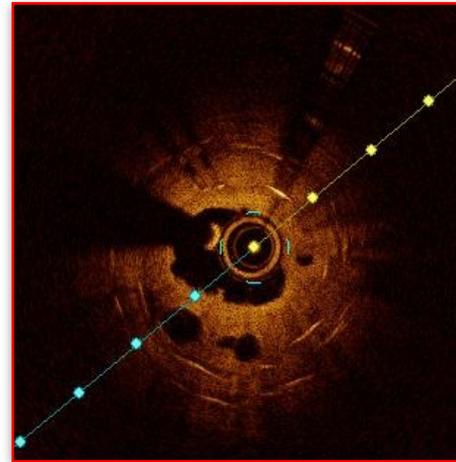
— Lessons From the French “Lotus Root” Registry —

Géraud Souteyrand, MD; Mathieu Valladier, MD; Nicolas Amabile, MD;
François Derimay, MD; Brahim Harbaoui, MD; Pierre Leddet, MD; Pierre Barnay, MD;
Guilhem Malcles, MD; Aurelien Mulliez, MD; Colin Berry, MD, PhD;
Romain Eschalier, MD, PhD; Nicolas Combaret, MD; Pascal Motreff, MD, PhD

Souteyrand et al. Circ J 2018;82(3):783-90.



Lotus Root : diagnostic OCT

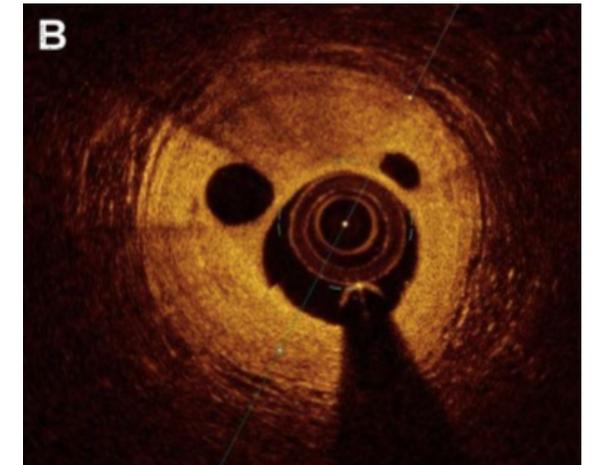
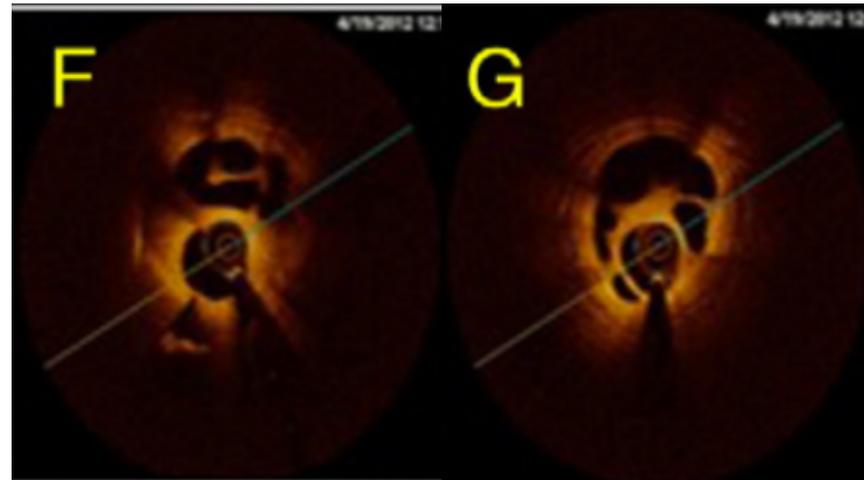
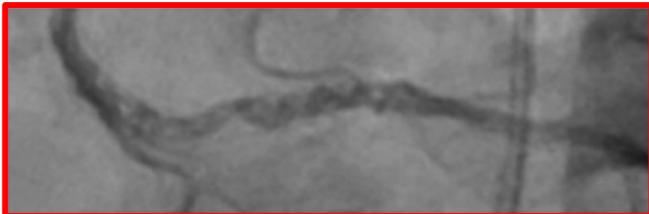


Angiographie non spécifique

Chenaux séparés par de fines parois (pas de fausse lumière)

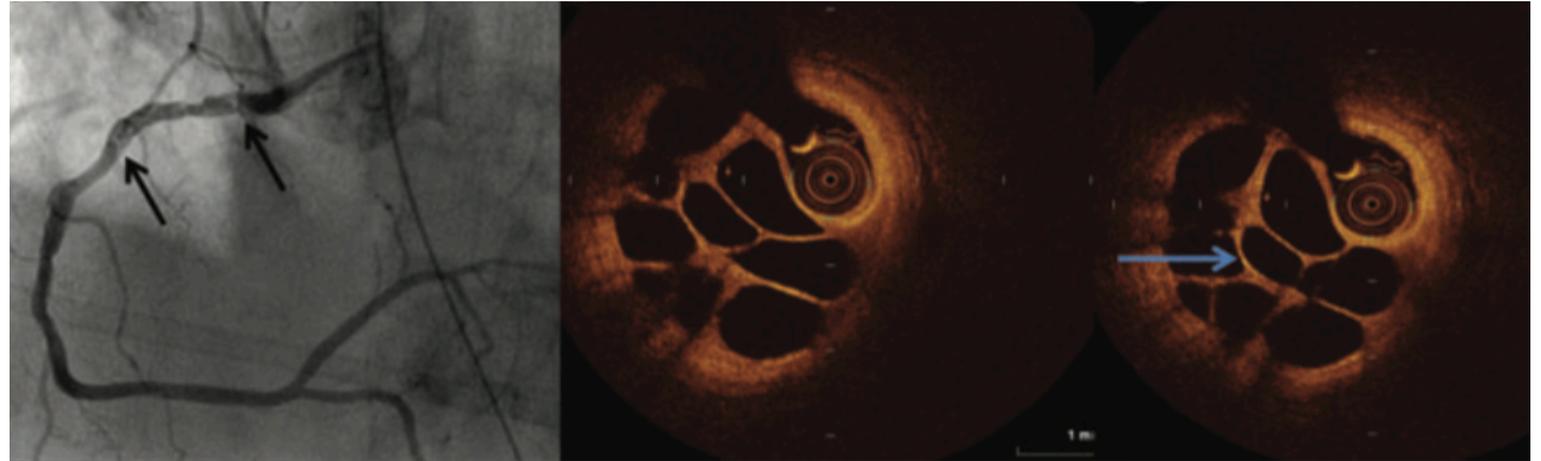
Pas de cône d'ombre

Variables / nombre et taille



Lotus Root : ischémie ?

- Réduction variable de la lumière artérielle
- Sténose pas toujours significative en angio et même en OCT
- Test d'ischémie et FFR le plus souvent positifs même si asymptomatique
- Tortuosités des chenaux

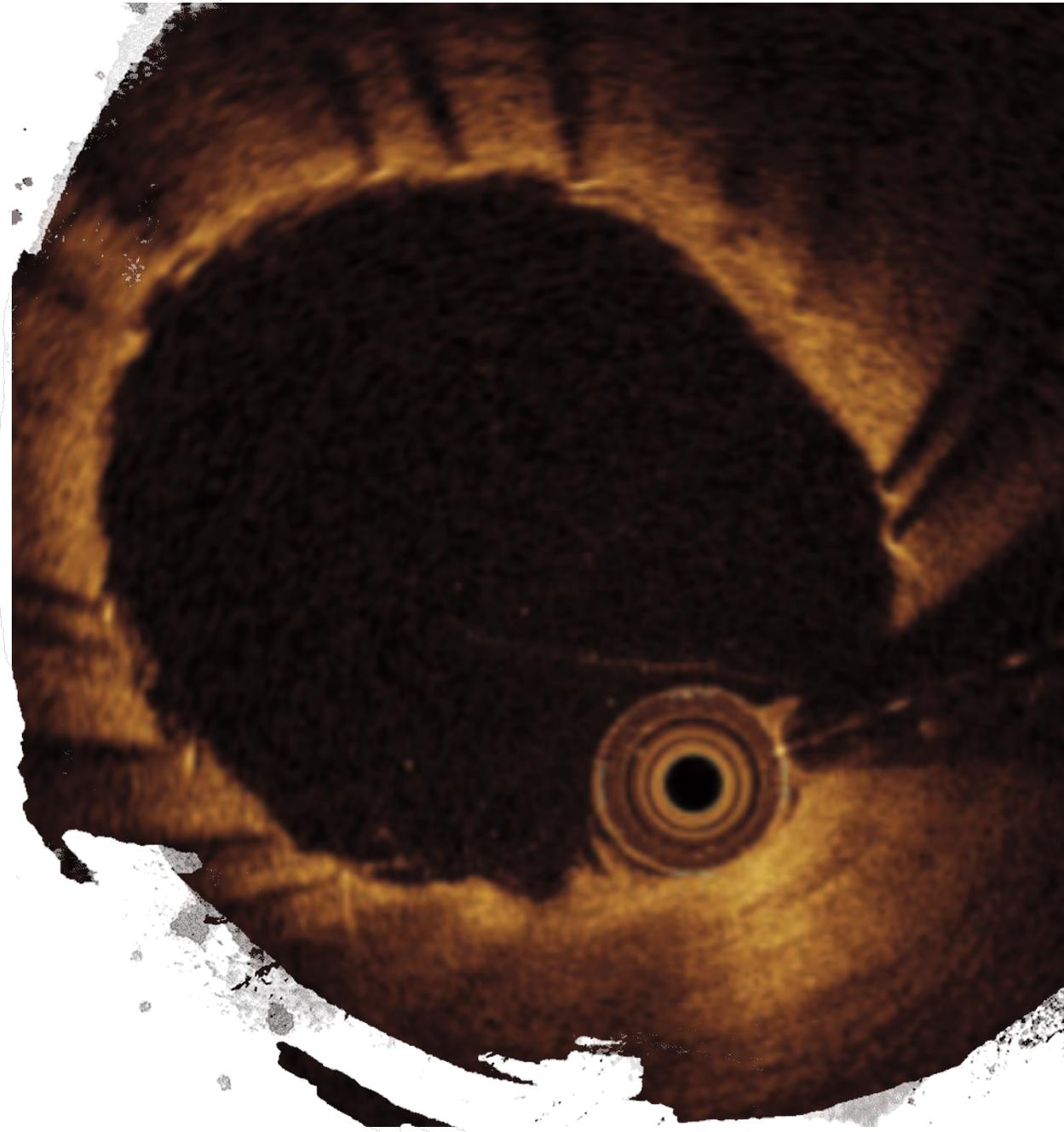


Lotus Root = ischémie le plus souvent +++

Pas de corrélation entre le degré de sténose et le retentissement fonctionnel

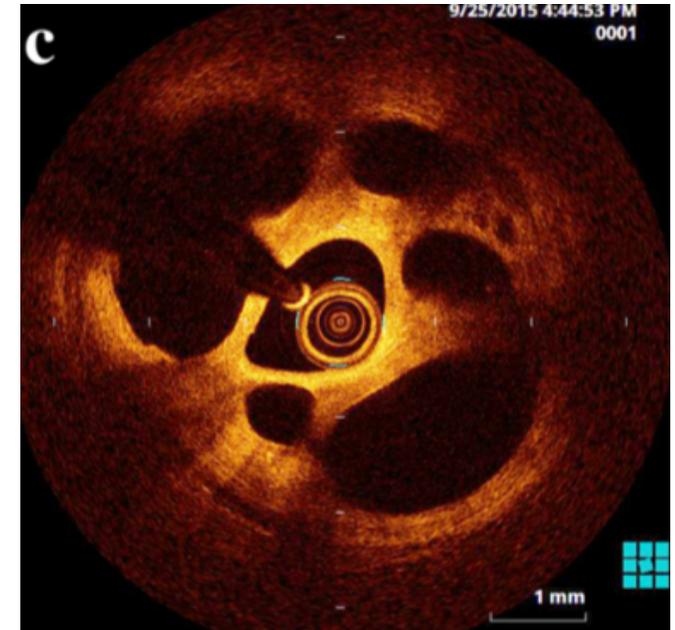
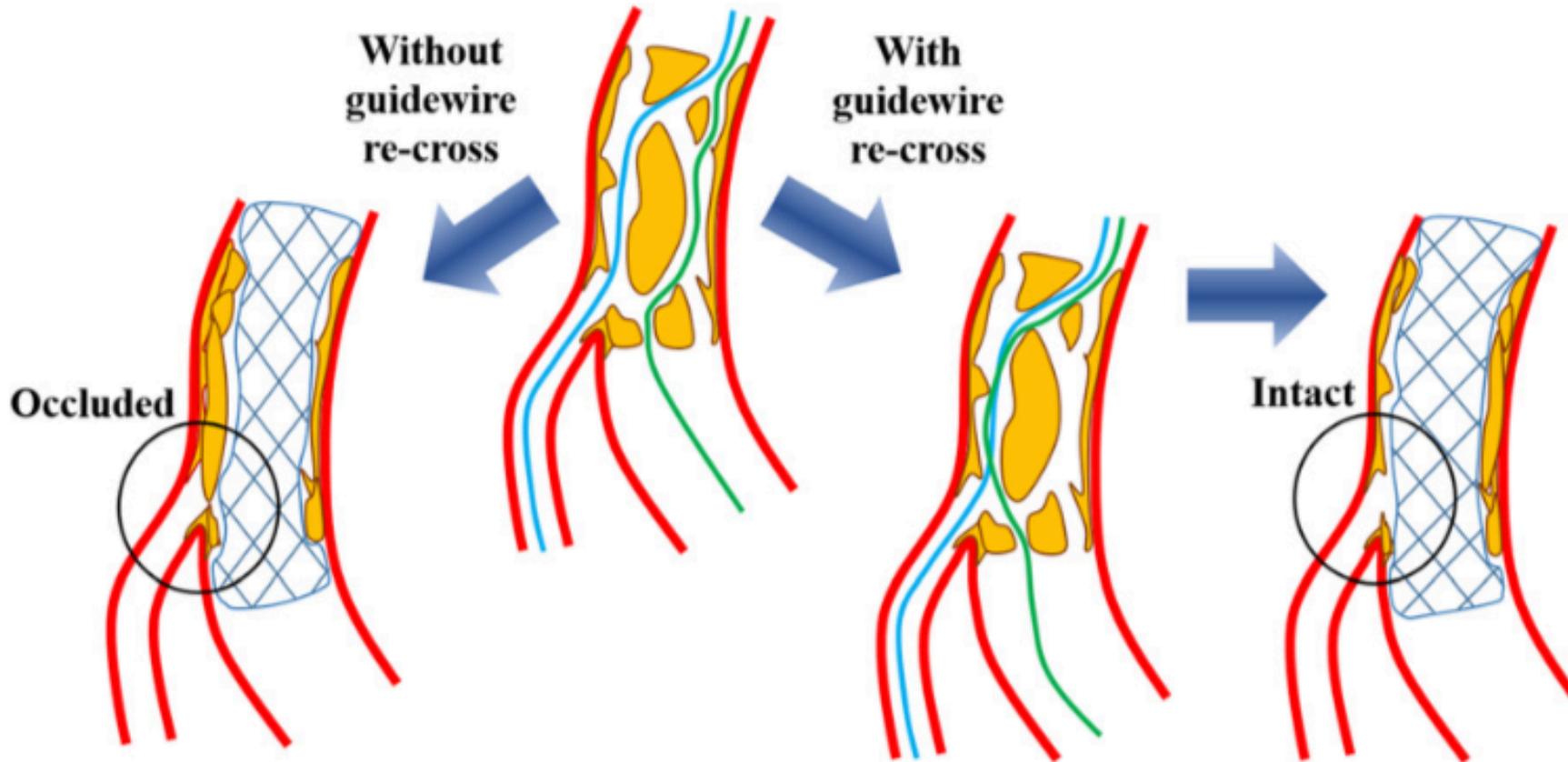
Lotus Root: traitement

- Angioplastie
- Stenting : Simple et efficace
- Pré-dilatation (+/- ballon coupant)
- Pas de risque d'embolisation
- Bonne apposition des mailles en OCT
- Bons résultats à long terme



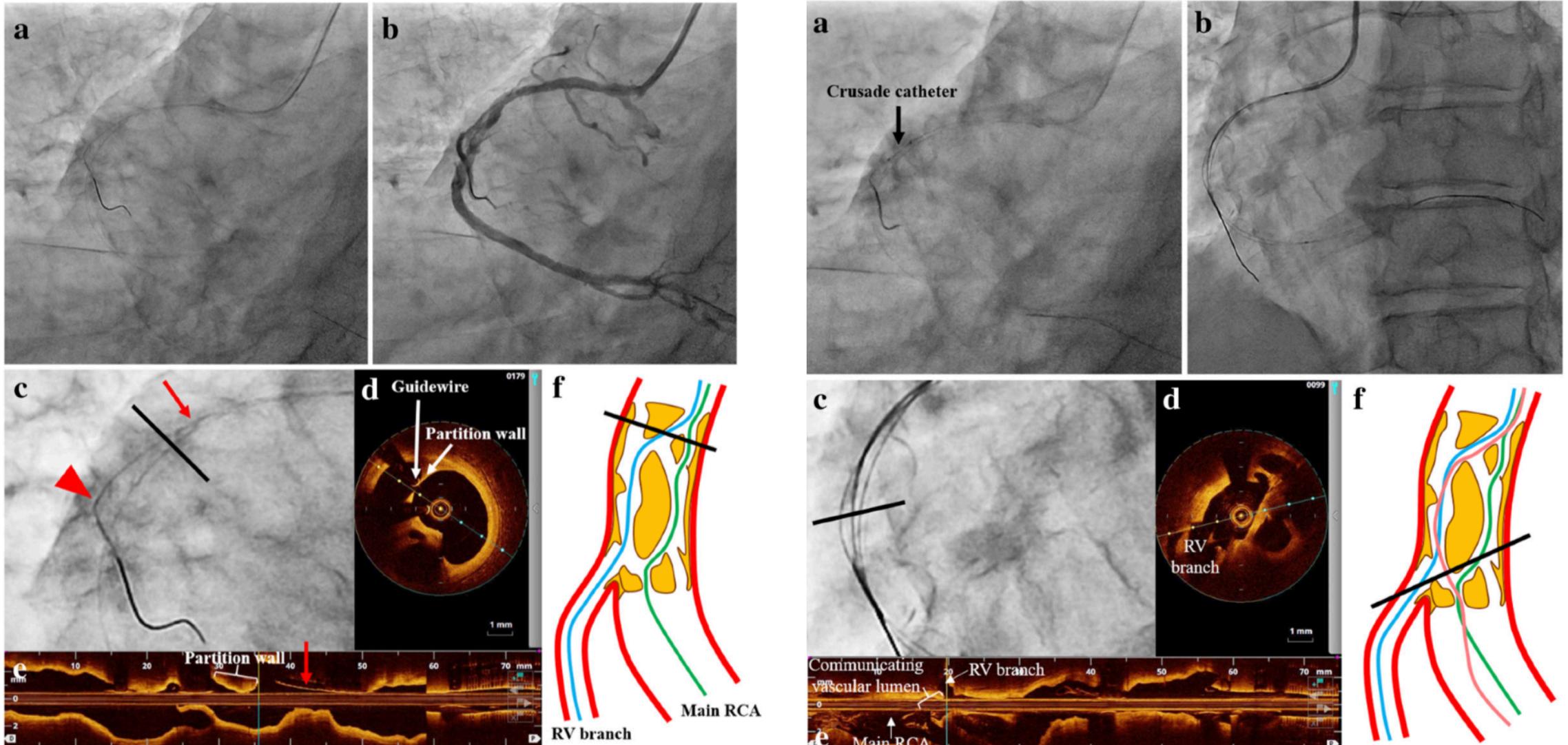
Lotus Root et bifurcation

Attention : risque d'occlusion de la SB



Lotus Root et bifurcation

Attention : risque d'occlusion de la SB



CONCLUSION

- Penser à l'OCT pour les resténoses
- Lotus Root : Rare mais à connaître
- Suspecté à l'angiographie et confirmé à l'OCT
- Discordance sténose / ischémie
- Stenting ... mais prudence si bifurcation



MERCI DE VOTRE ATTENTION