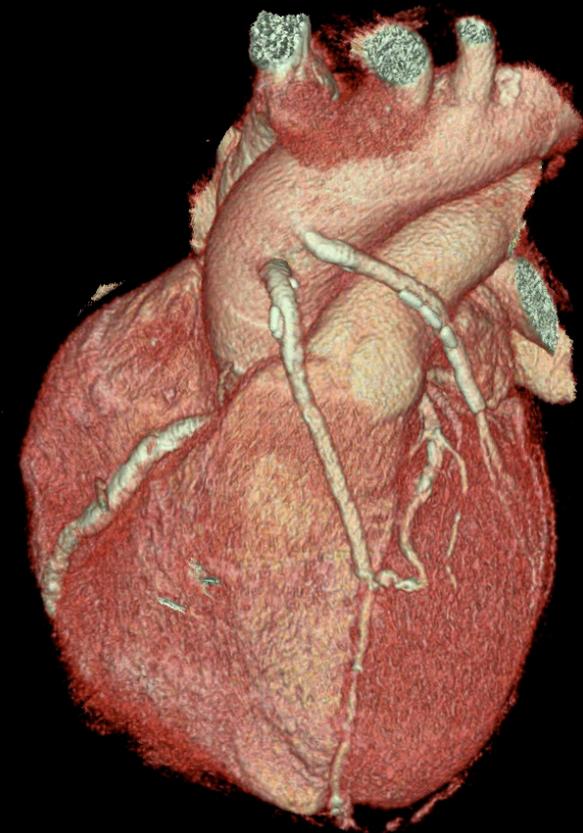


Histoire de Fracture: Le Titan(ic)

David PESENTI ROSSI



APPAC 2013



15^e édition www.appac.fr

BIARRITZ 5-6 ET 7 JUIN 2013

APPAC

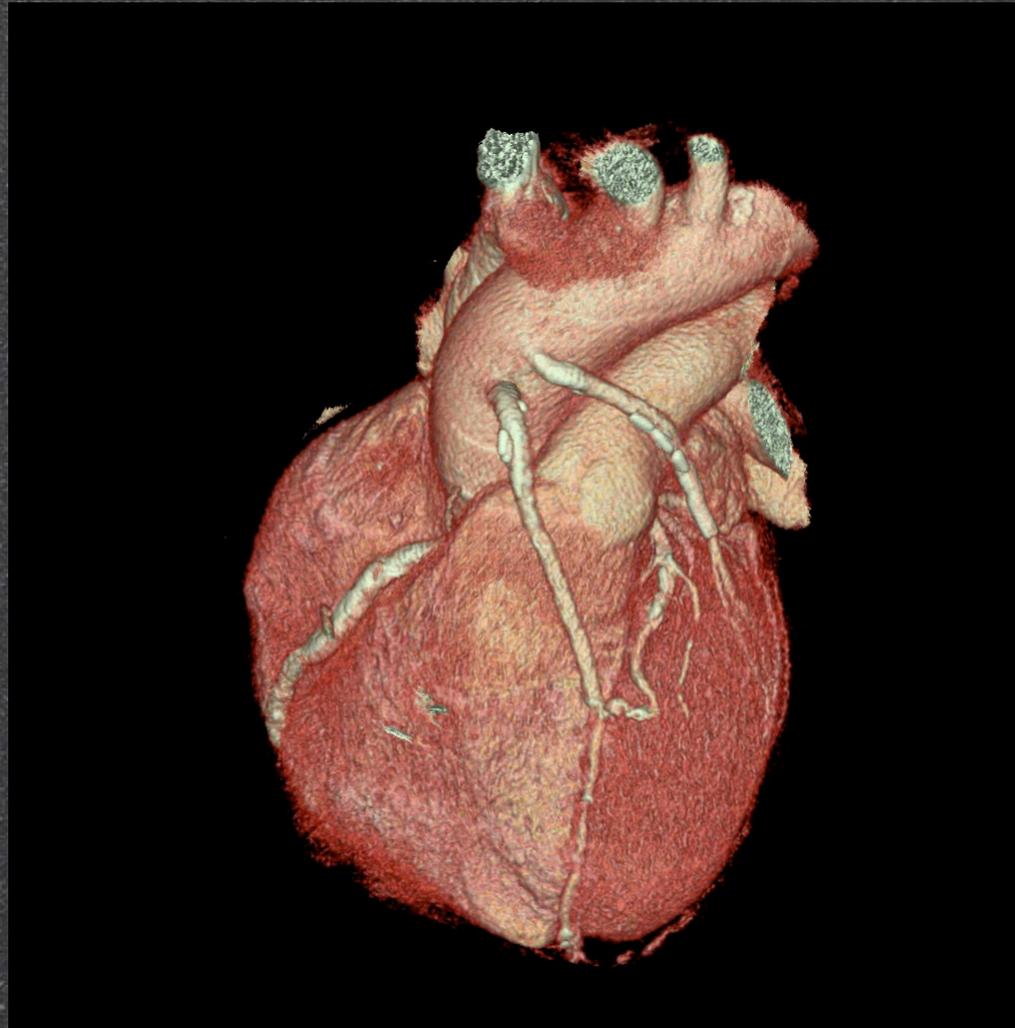
ACTUALISATIONS ET PERSPECTIVES
EN PATHOLOGIE CARDIOVASCULAIRE



Aucun conflit d'intérêt pour cette
communication

M 76 A, 2 PAC Coronaires Saph-IVA & Saph-Mg (87)

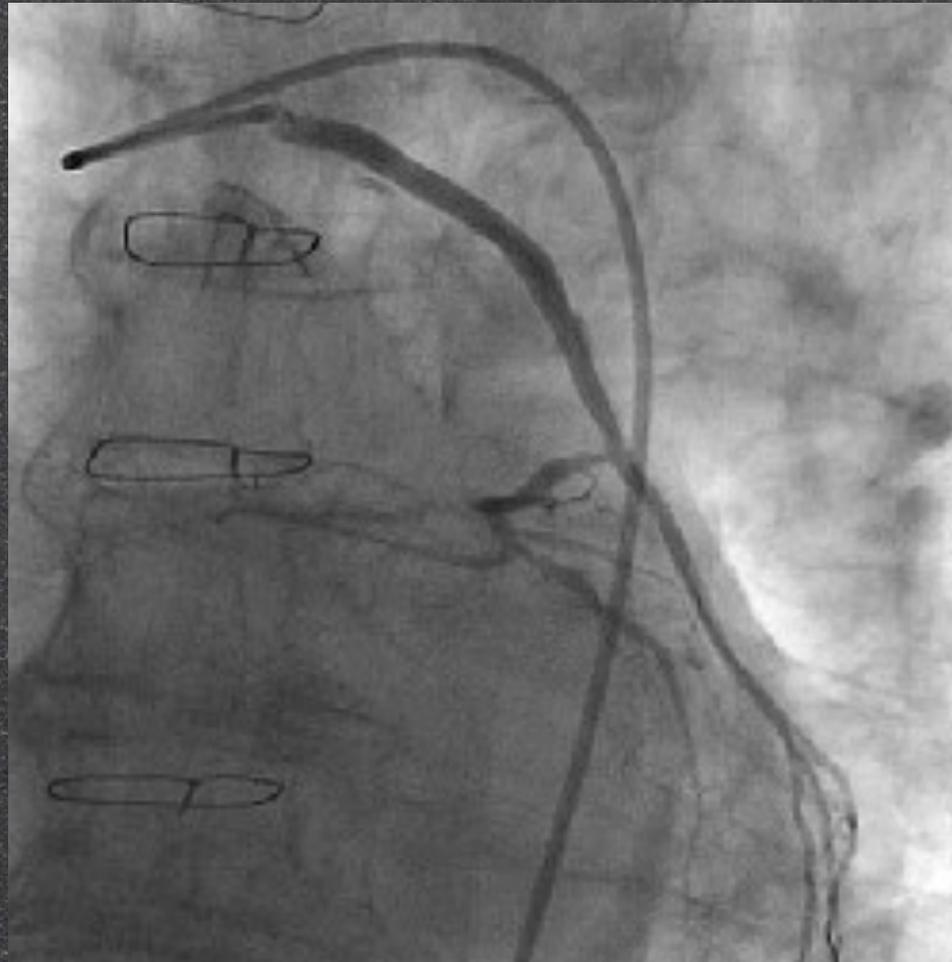
X SCA --> BMS / Anastomoses Prox & distale



M 76 A, 2 PAC Coronaires Saph-IVA & Saph-Mg (87)

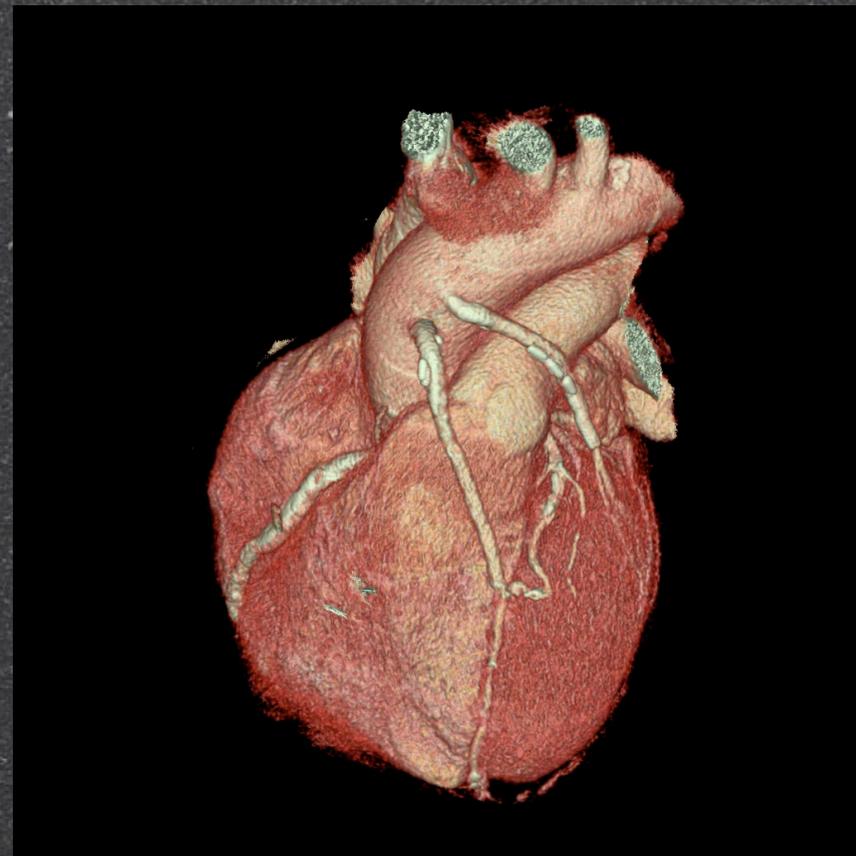
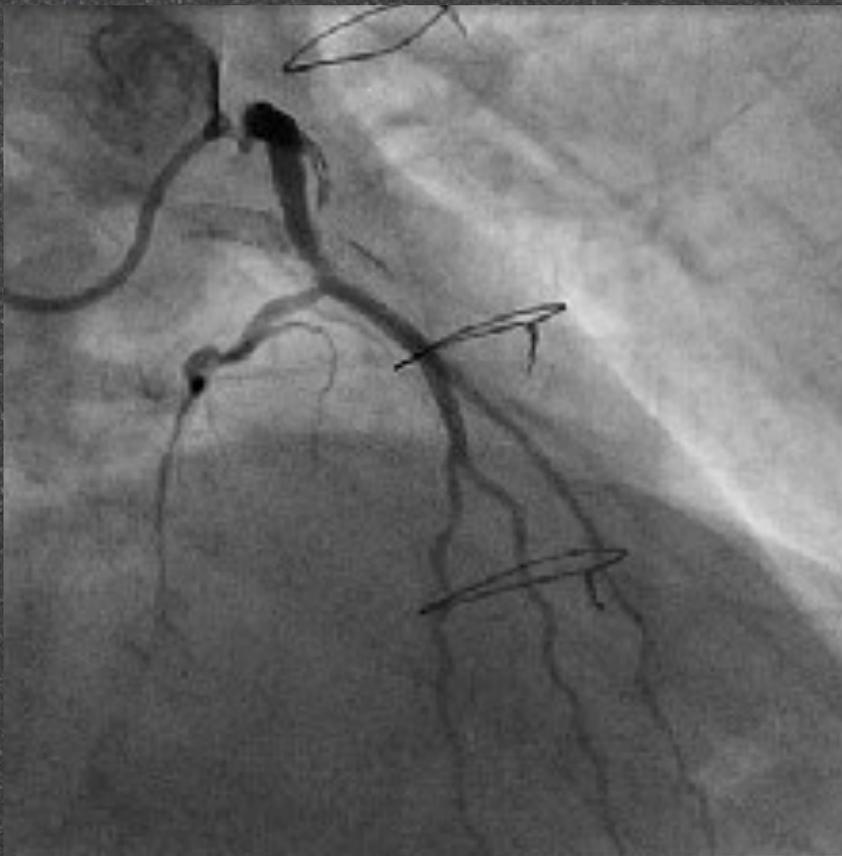
SCA 09/2011:

Anastomose Prox Saph-Mg → BMS TITAN 3.5x19



M 76 A, 2 PAC Coronaires Saph-IVA & Saph-Mg (87)

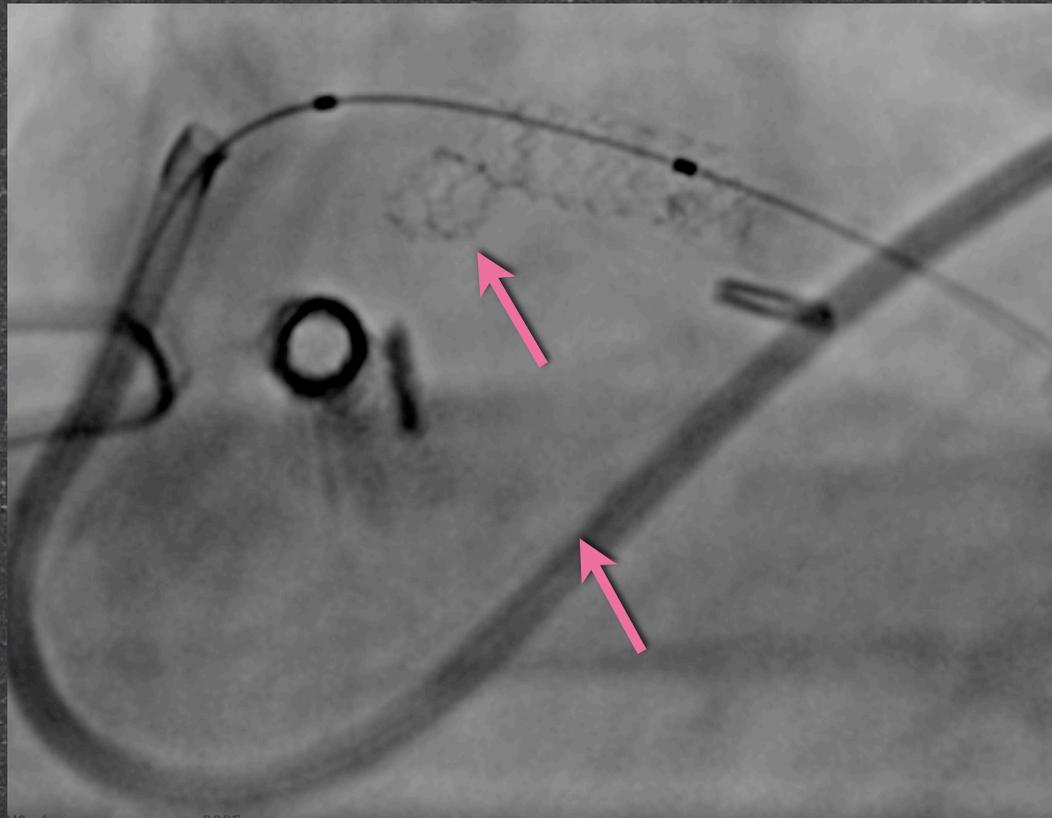
*Récidive SCA 11/11:
Resténose intra-stent / Anastomose Prox Saph-Mg
Pré-dilatation au ballon*



M 76 A, 2 PAC Coronaires Saph-IVA & Saph-Mg (87)

*Récidive SCA 11/11: Resténose intra-stent
Pré-dilatation / Anastomose Prox Saph-Mg*

Stent Boost: Fracture du BMS



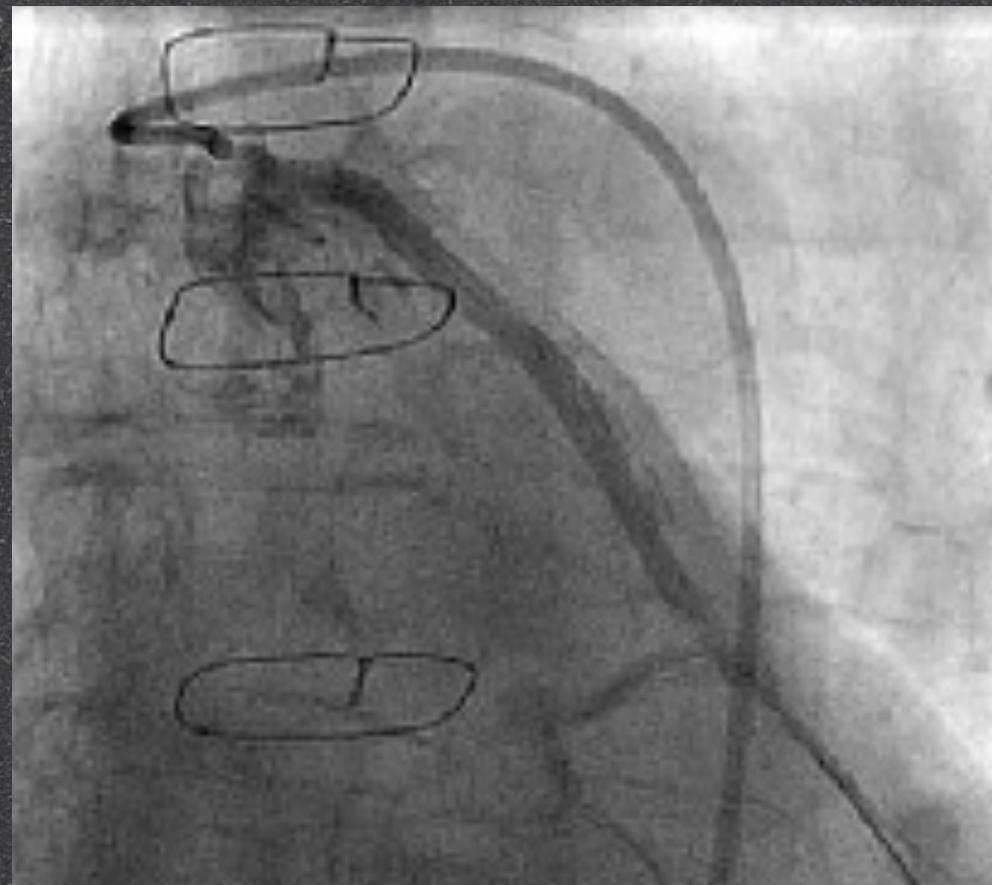
M 76 A, 2 PAC Coronaires Saph-IVA & Saph-Mg (87)

Récidive SCA 11/11:

Fracture Stent BMS (Titan) / DES (Xience) 3.5x23

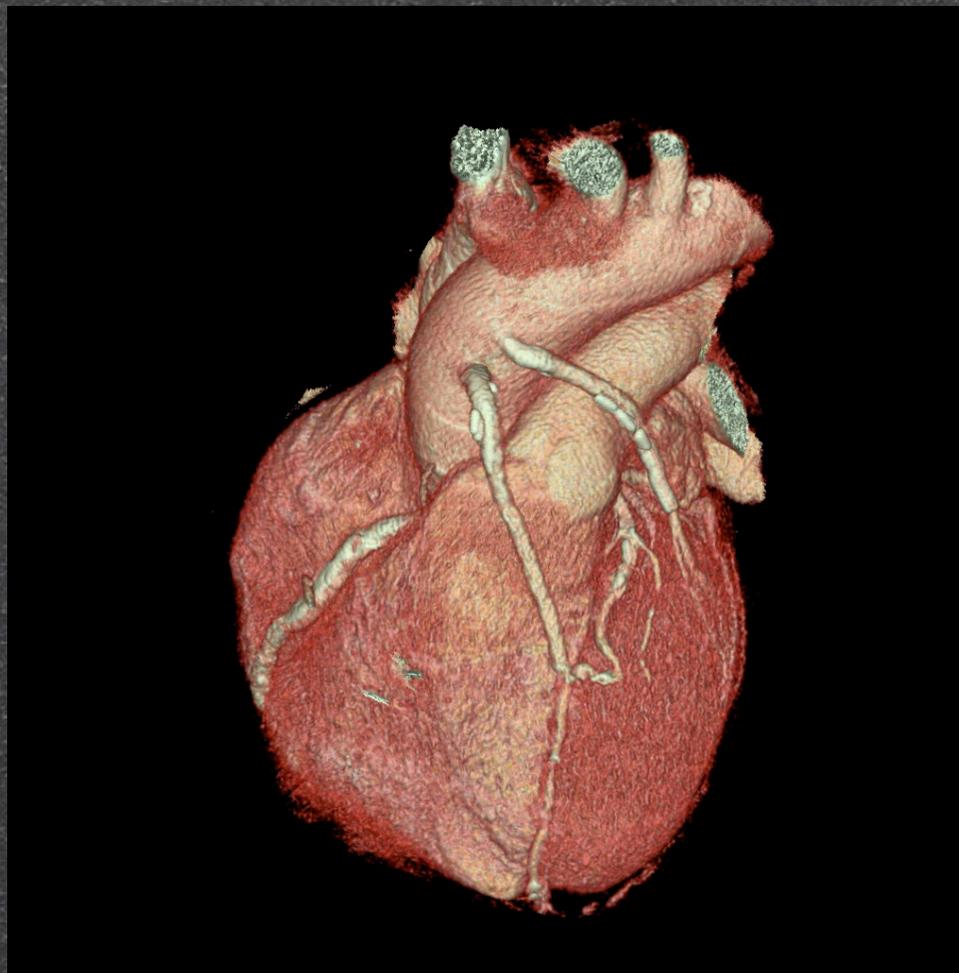


Stent Boost

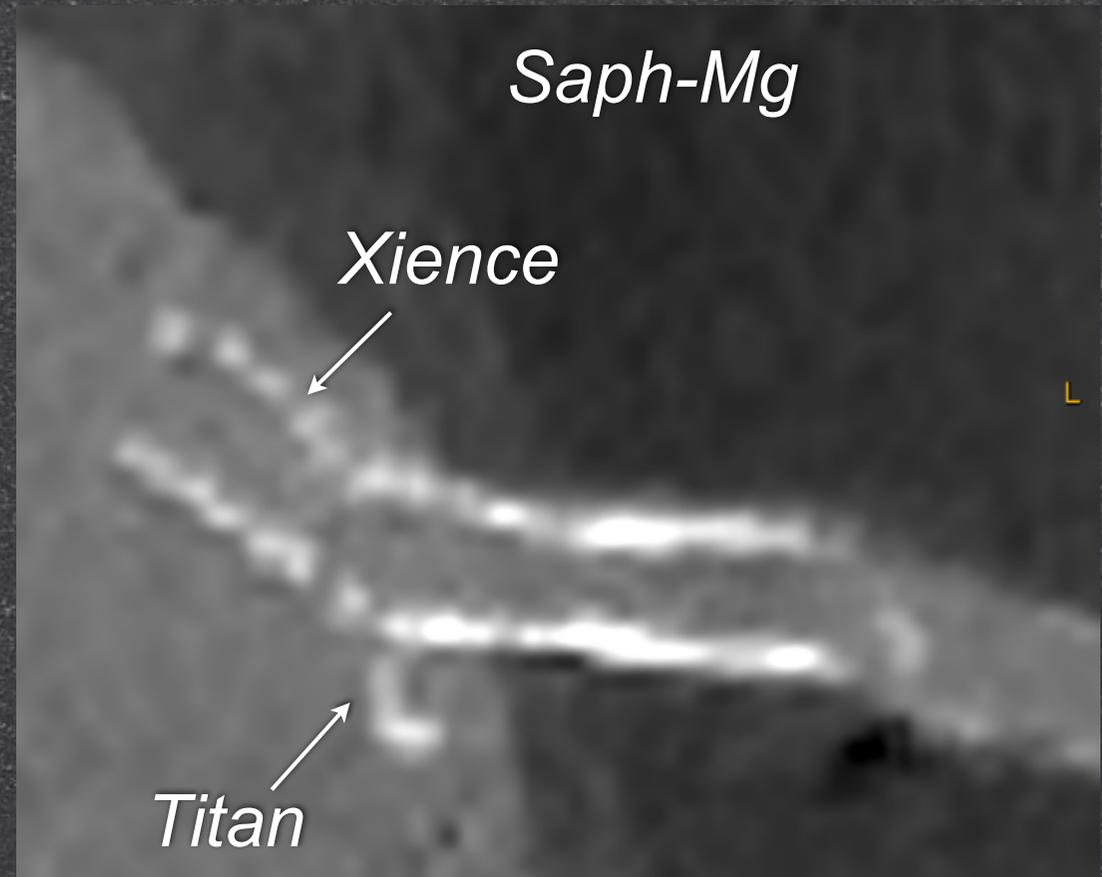
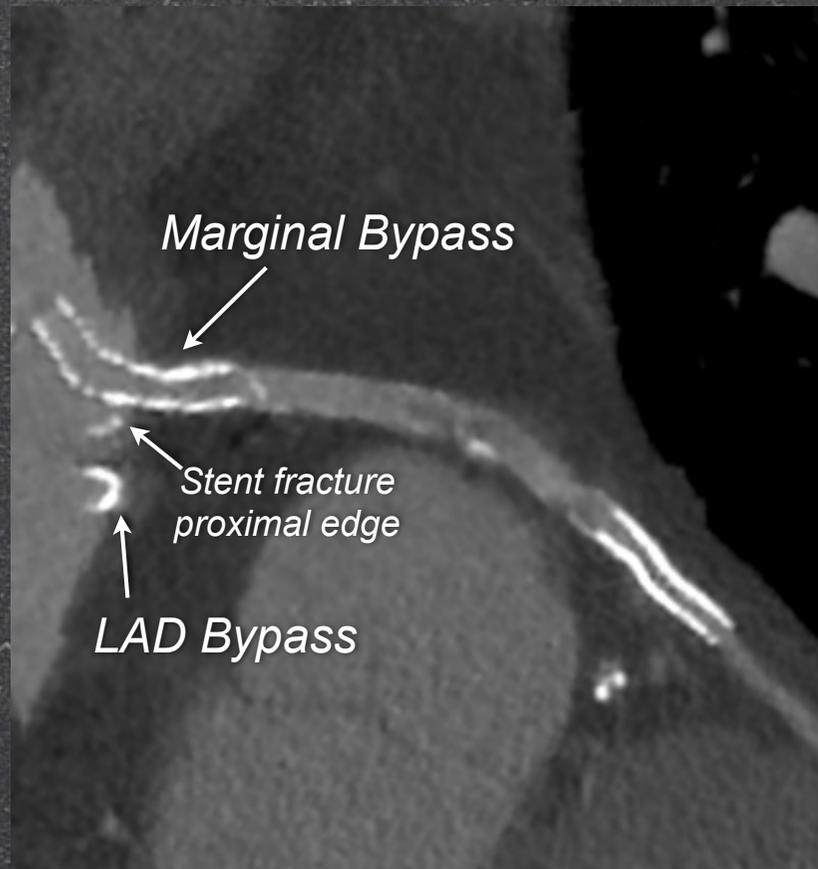


M 76 A, 2 PAC Coronaires Saph-IVA & Saph-Mg (87)

*SCA 11/11:
Fracture Stent BMS (Titan) / DES (Xience)*



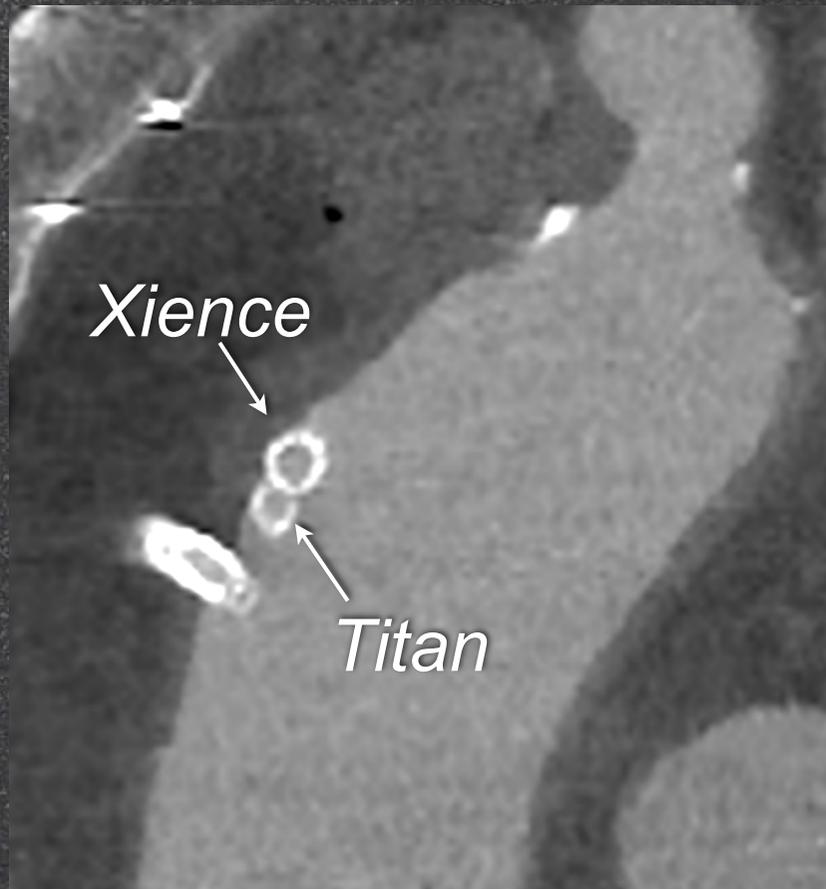
Fracture du Titan(ic) 2D



Pesenti Rossi et al. JACC Interventions 2013

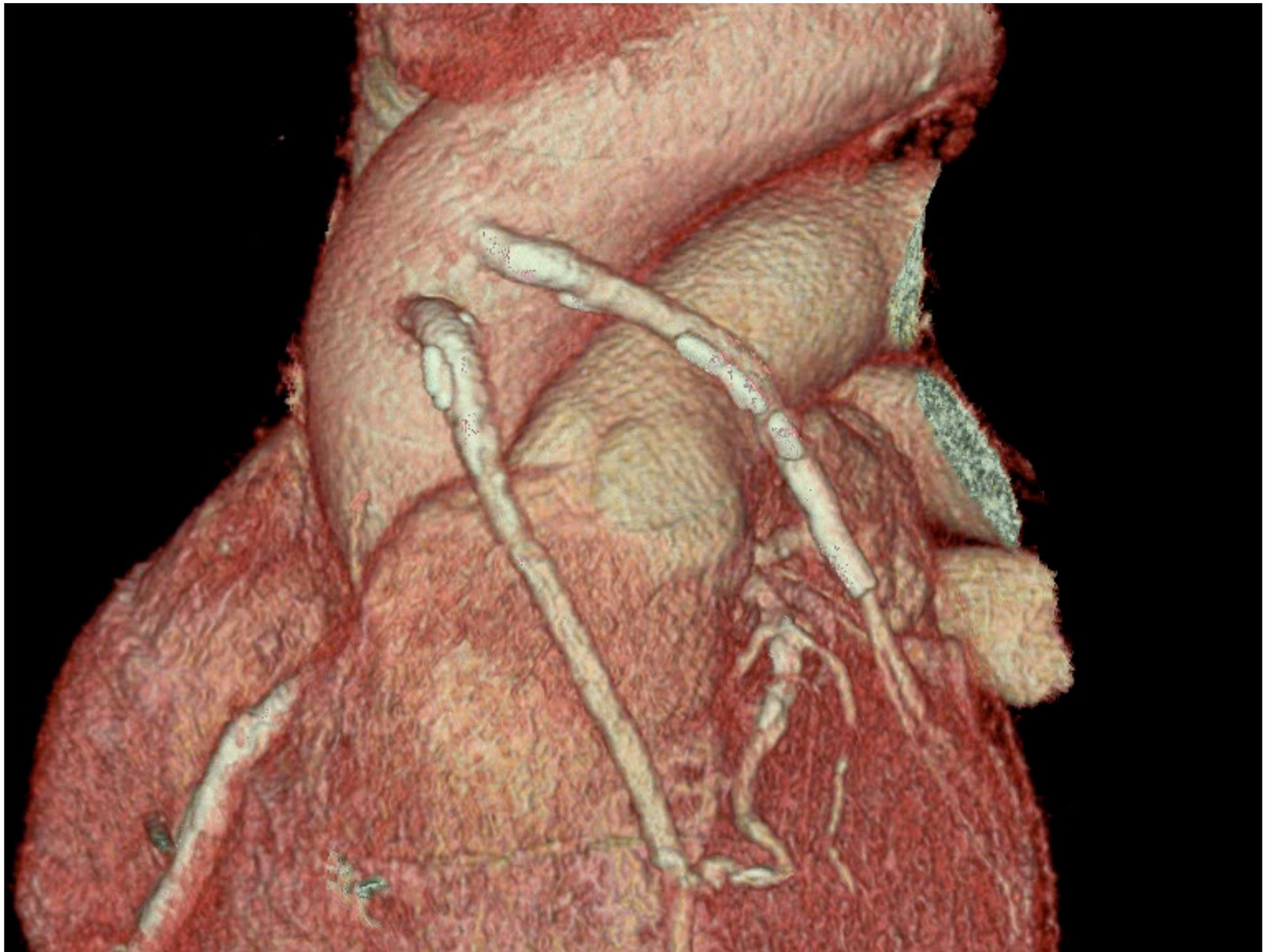


Fracture du Titan(ic) 2D

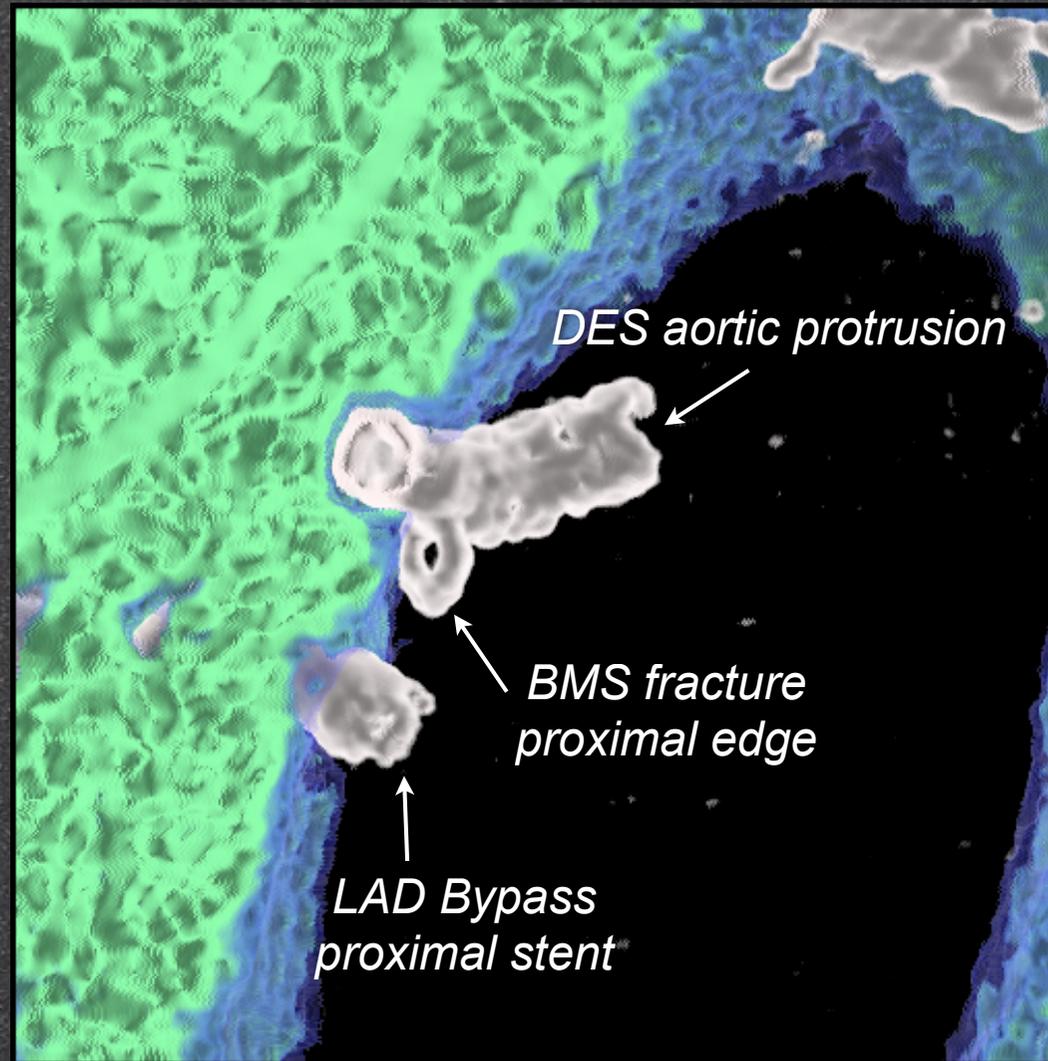


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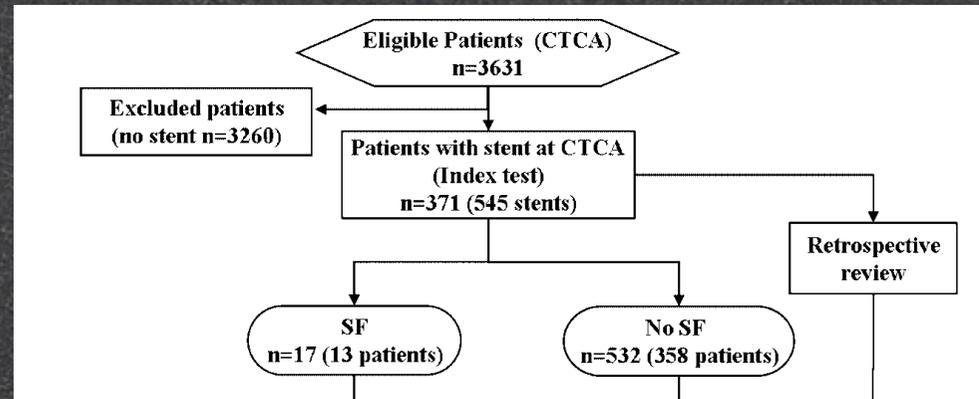
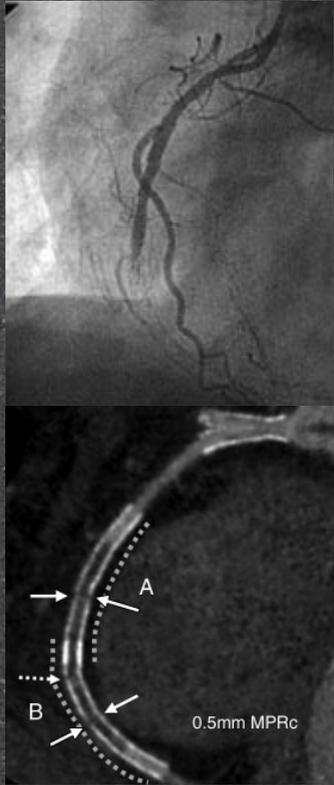
Fracture du Titan(ic) 3D



Pesenti Rossi et al. JACC Interventions 2013



Fractures de Stents



***Prévalence = 3.3%**

***Meilleure Sensibilité Scanner (36% non vues en Coro)**

***Type de stent, Localisation CD, Longueur, Overlapping**

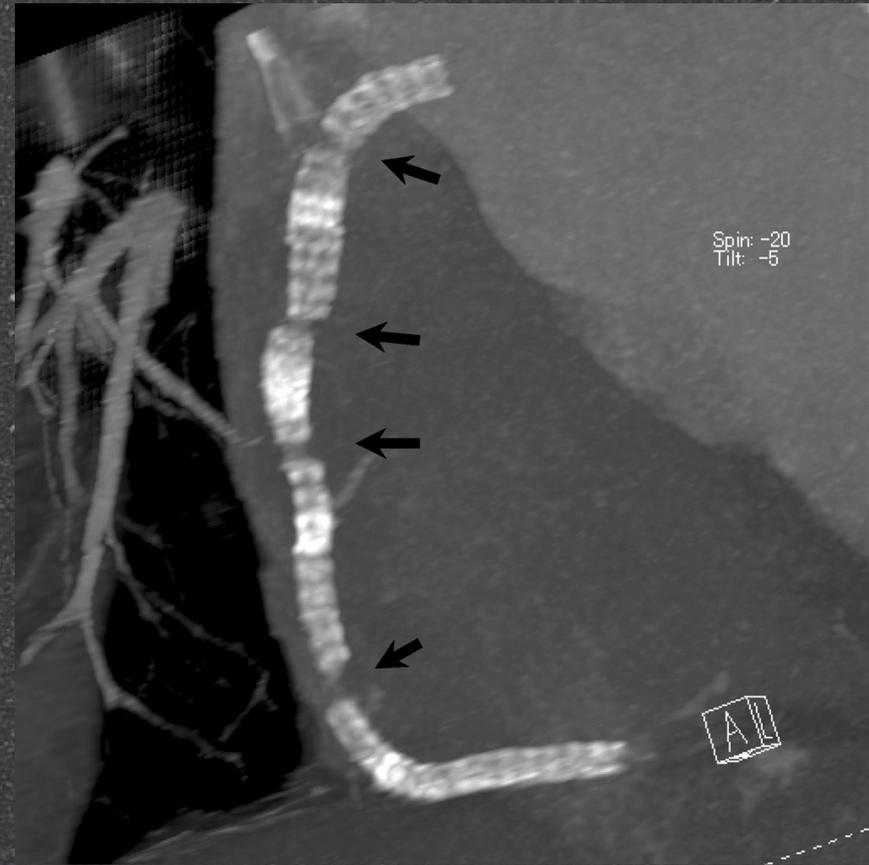
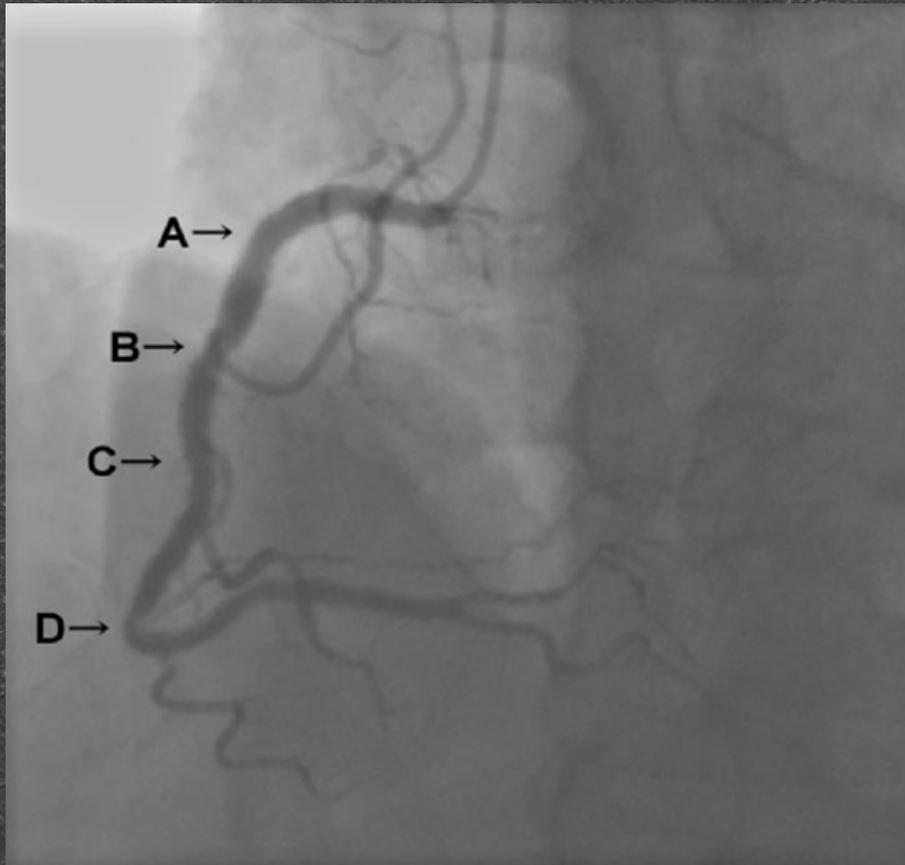
***Resténose = 33%; Thrombose; Faux anévrisme**

Implications for Patient Care

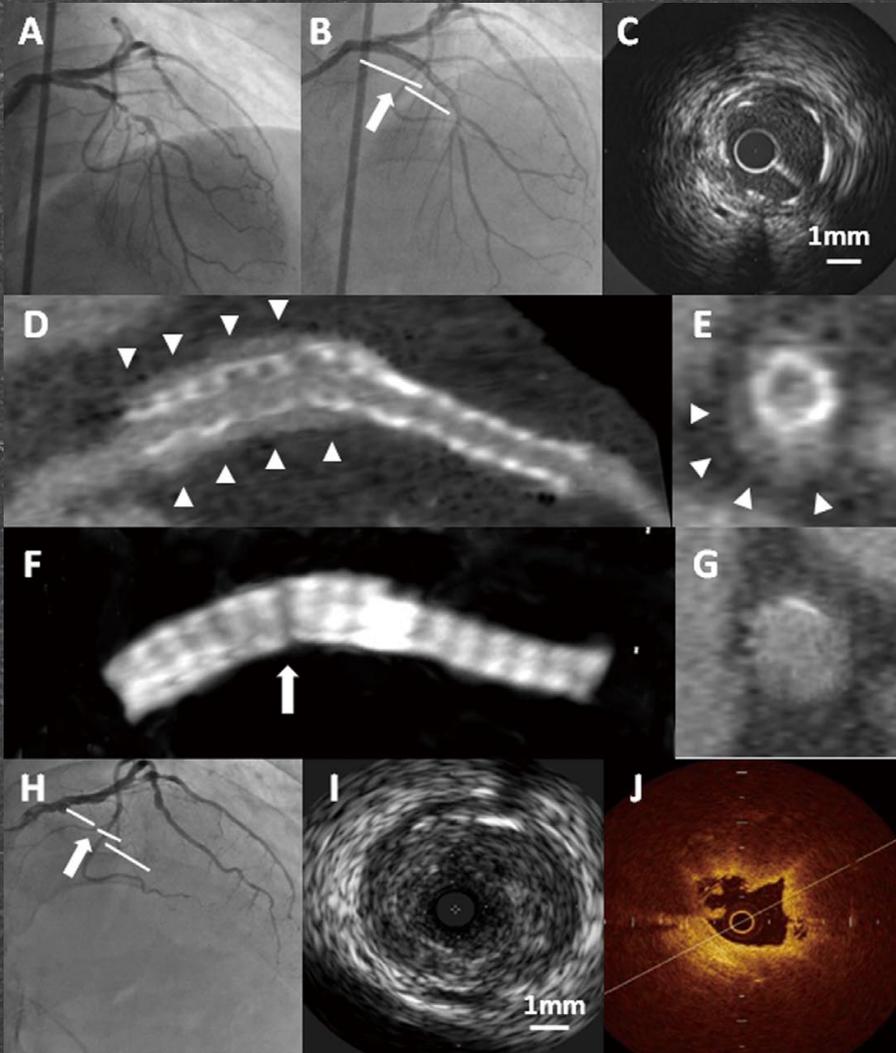
- Coronary CT angiography can be used as a primary tool for detecting coronary SF.
- In patients with high predisposing factors for SF (Cypher type, right coronary artery, and overlapping placement), follow-up coronary CT angiography may be considered.

Lim et al. Radiology 2008

Fractures de Stents



Fractures de Stents



Mécanismes de Fractures

**Malaposition / Remodelage positif / DES*

**Motion, Kinking du stent*

**Resténose, Thrombose*

Fractures de Stents

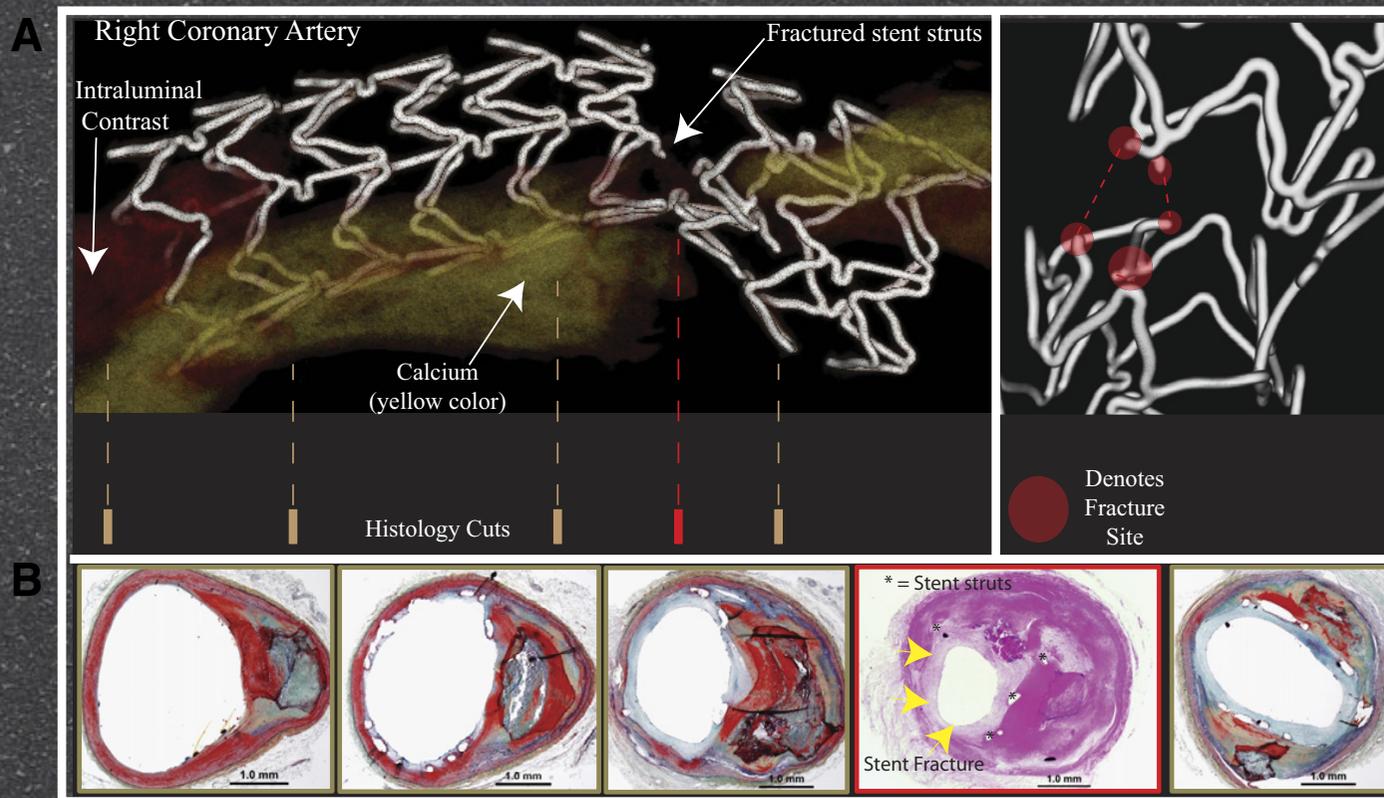


Figure 3. MicroCT and Histology Findings in the RCA

(A) Micro-computed tomography (microCT) 3-dimensional reconstruction of the right coronary artery (RCA) stent with a magnified image of the fractured segment to the **right**. The **red dots** highlight fracture points, with the **dotted line** indicating the original connection. The calcified plaque is colored **yellow**, and residual intraluminal contrast is **red**. (B) Corresponding histological cross sections of the RCA stent demonstrating focal restenosis at the area of fracture, with inflammation and fibrin accumulation at areas of polymer displacement.

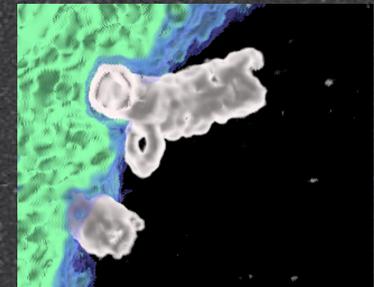
Titan(ic): Messages

****Naufrage évité***

****Fracture de Stent inhabituelle***

****Apport du Stent Boost***

****Apport du Scanner***



Pesenti Rossi et al. JACC Interventions 2013



Merci!

