



CTO FLORILEGE DE COMPLICATIONS

Dr Alexandre Avran
Clinique Pasteur
Essey les Nancy



LES COMPLICATIONS ÉVITABLES



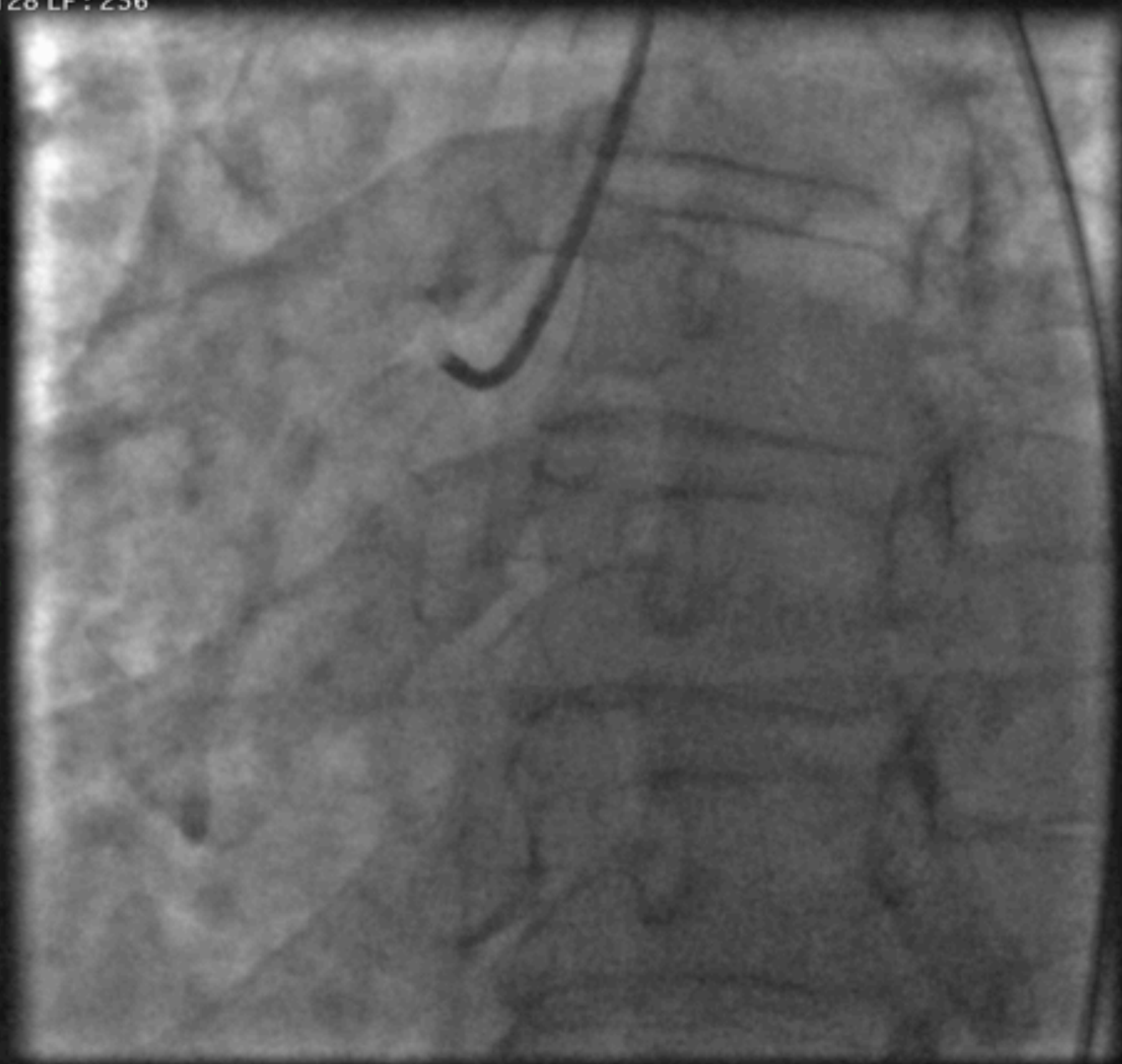
DISSECTION ARTERES OCCLUSES OU DONNEUSES



Taille de l'image : 512 x 512
NF : 128 LF : 256

0161113 (59a , 54a)

Atc
ATC



Zoom : 280%

Im : 1/32 Series: 1

JPEGLossless:Non-hierarchical-1stOrderPrediction

Position : HFS

Made In OsiriX

Taille de l'image : 512 x 512
NF : 128 LF : 256

0161113 (59a , 54a)
Atc
ATC

Simplification de la procédure

Zoom : 280%
Im : 1/77 Series: 1
JPEGLossless:Non-hierarchical-1stOrderPrediction
Position : HFS

Mais plus de stents

Taille de l'image : 512 x 512
NF : 128 LF : 256

0161113 (59a , 54a)
A
AT

Zoom : 280%
Im : 1/62 Series: 1
JPEGLossless:Non-hierarchical-1stOrderPrediction
Position : HFS

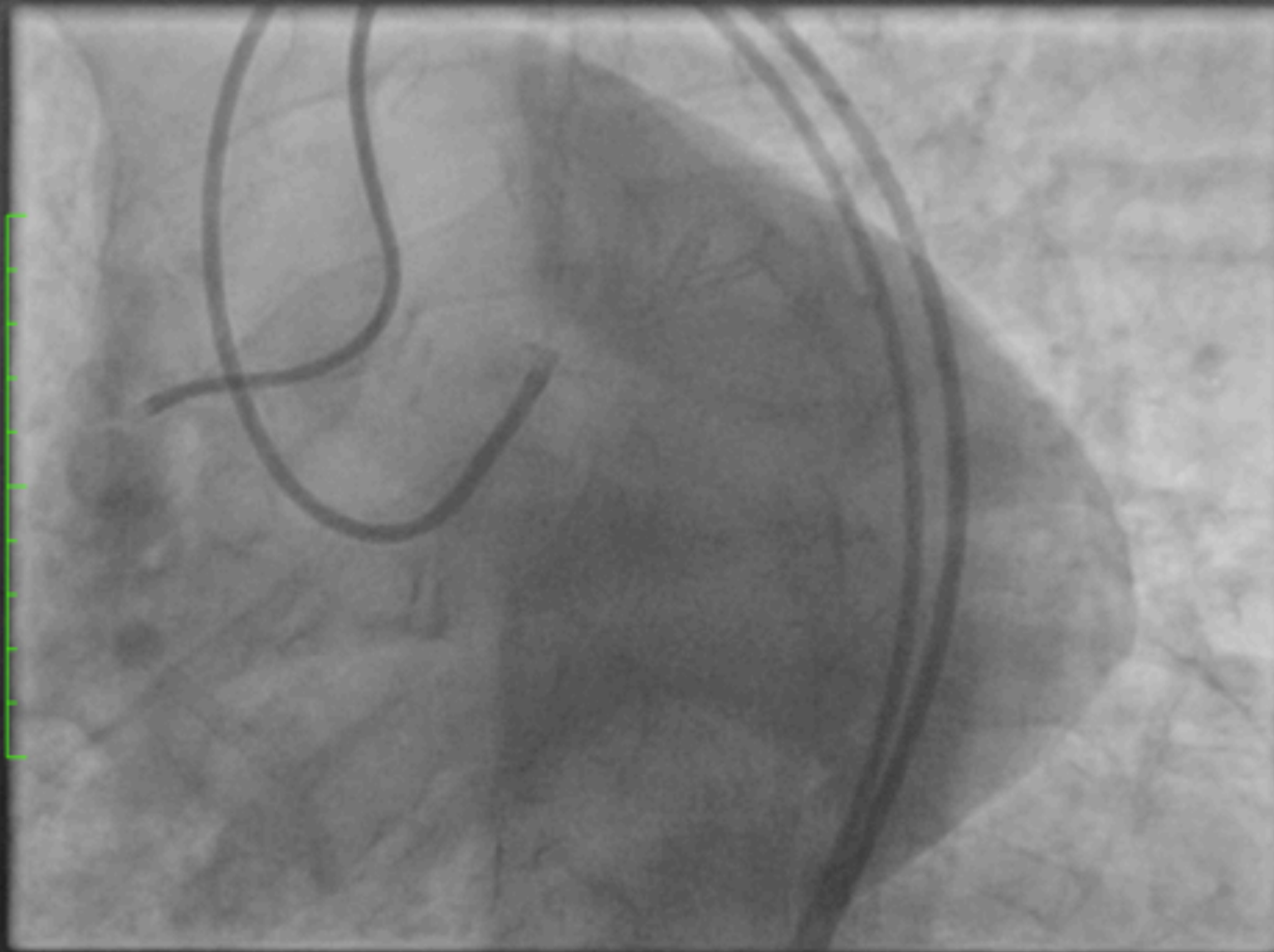
SOLUTION

- 1) EVITER L'INJECTEUR AUTOMATIQUE SUR L'ARTERE OCCLUSE
- 2) VERIFIER LA PRESSION AVANT D'INJECTER
- 3) SIDE HOLE POUR LES GUIDING 7F CORONAIRE DROITE

THROMBOSE DES ARTÈRES DONNEUSES

Taille de l'image : 512 x 512
NF : 138 LF : 189

23108063 (67a , 65a)
Angioplastie
Cardiaque



Zoom : 279%

Im : 1/67 Series: 2

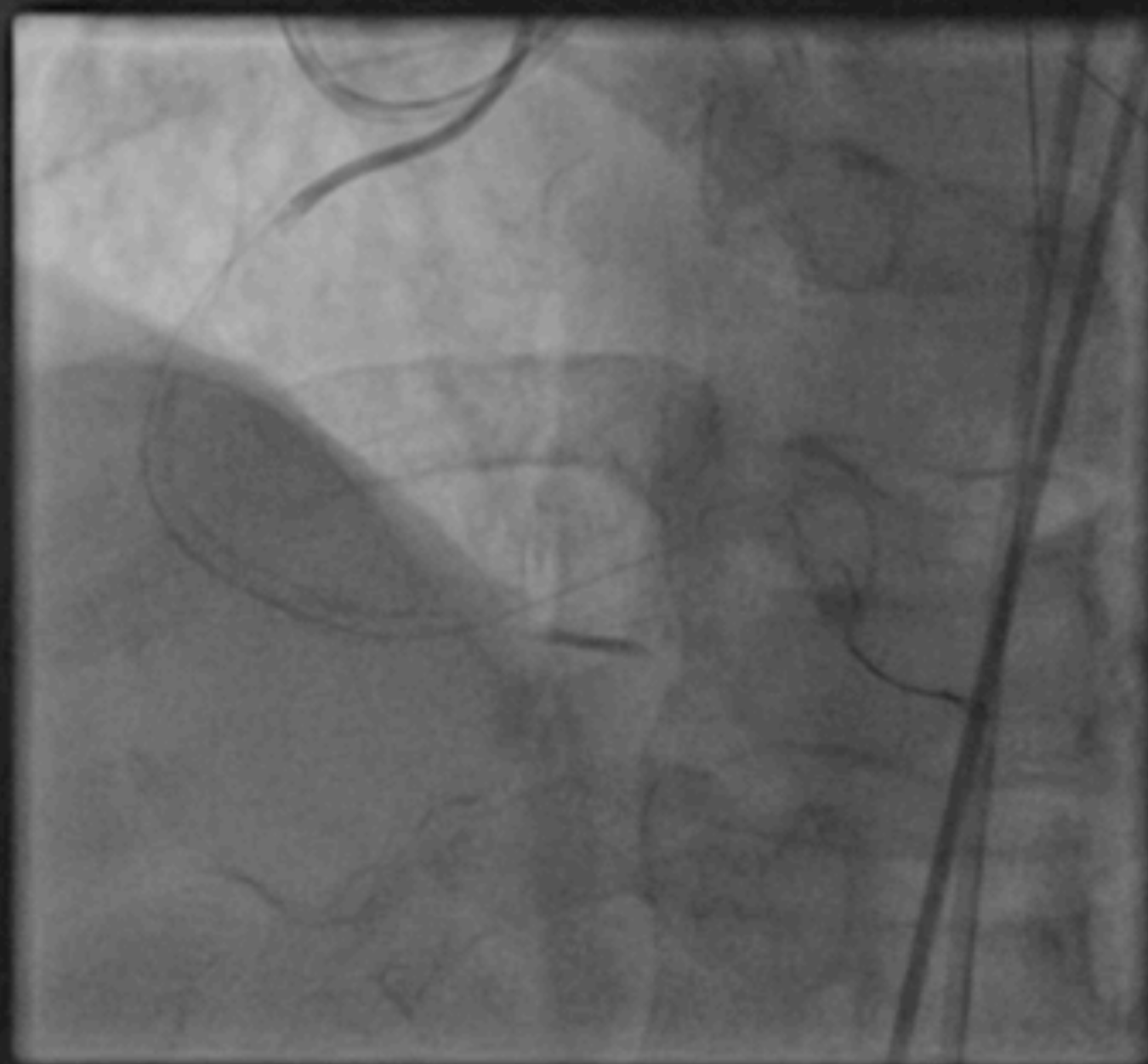
JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

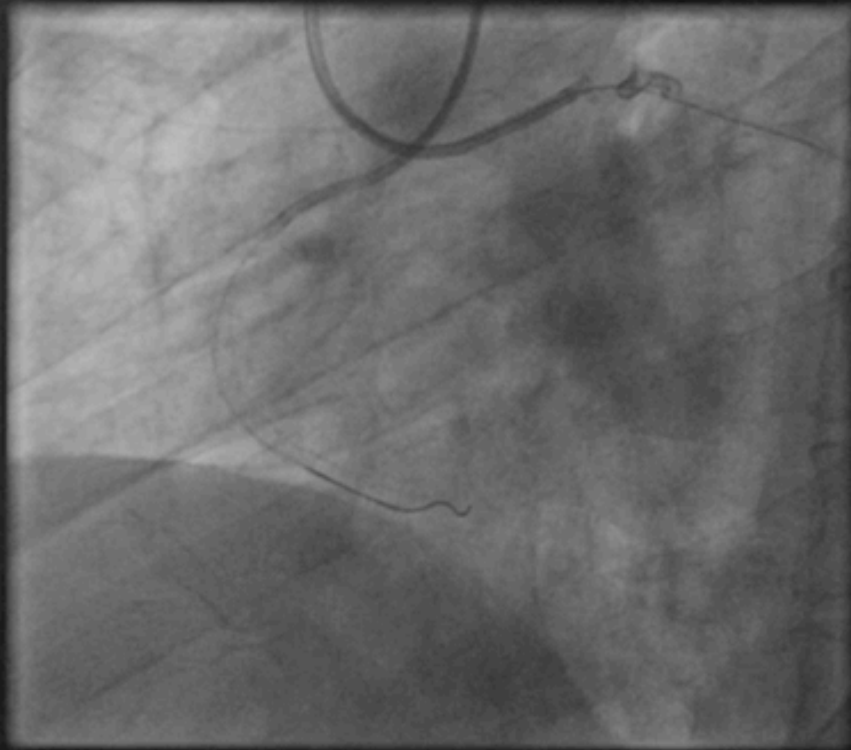
Taille de l'image : 512 x 512
NF : 138 LF : 189

23108063 (67a , 65a)

Angioplastie
Cardiaque



Zoom : 279%
Im : 1/24 Series: 15

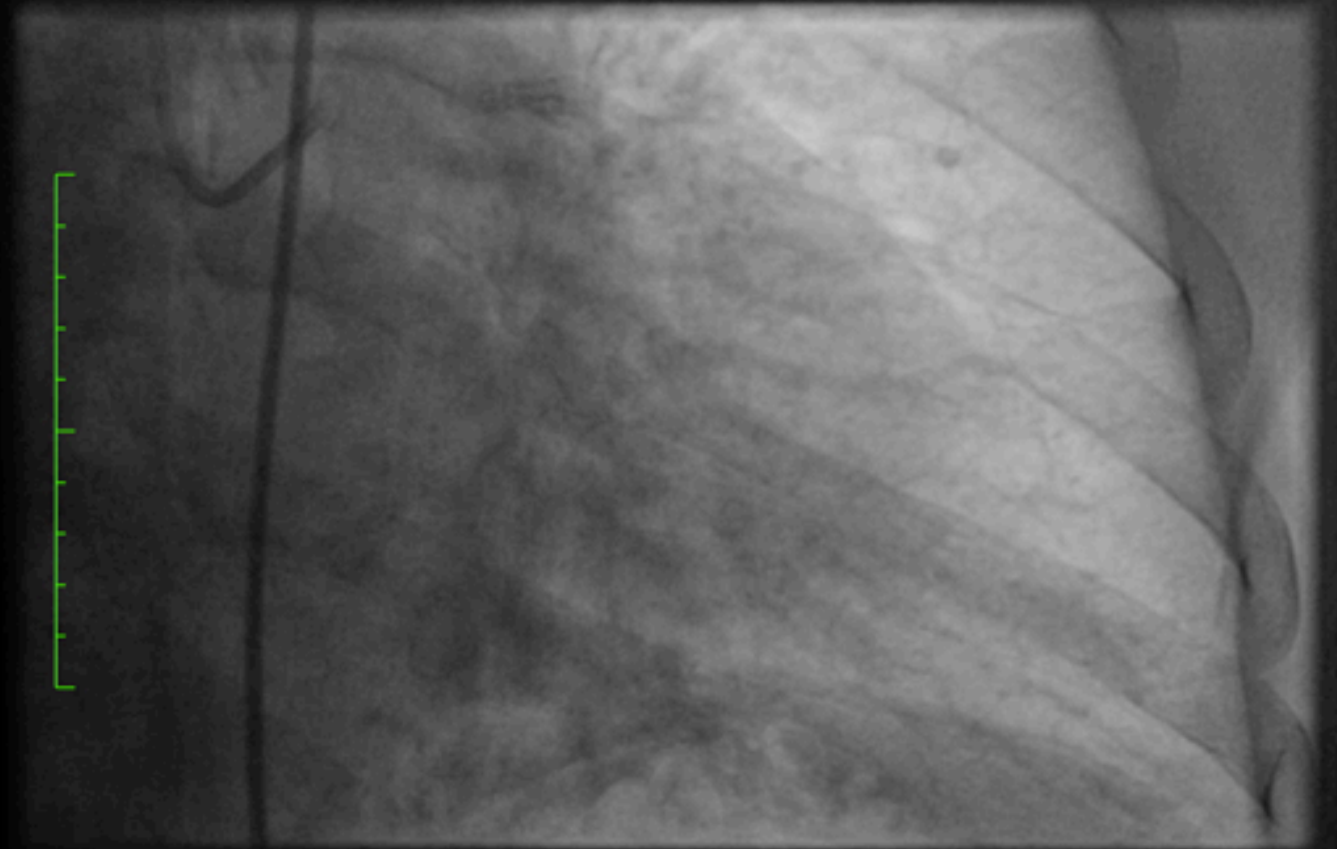


Zoom : 279%
Im : 1/32 Series: 29
JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

Taille de l'image : 512 x 512
NF : 138 LF : 189

23108063 (67a , 65a)
Angioplastie
Cardiaque

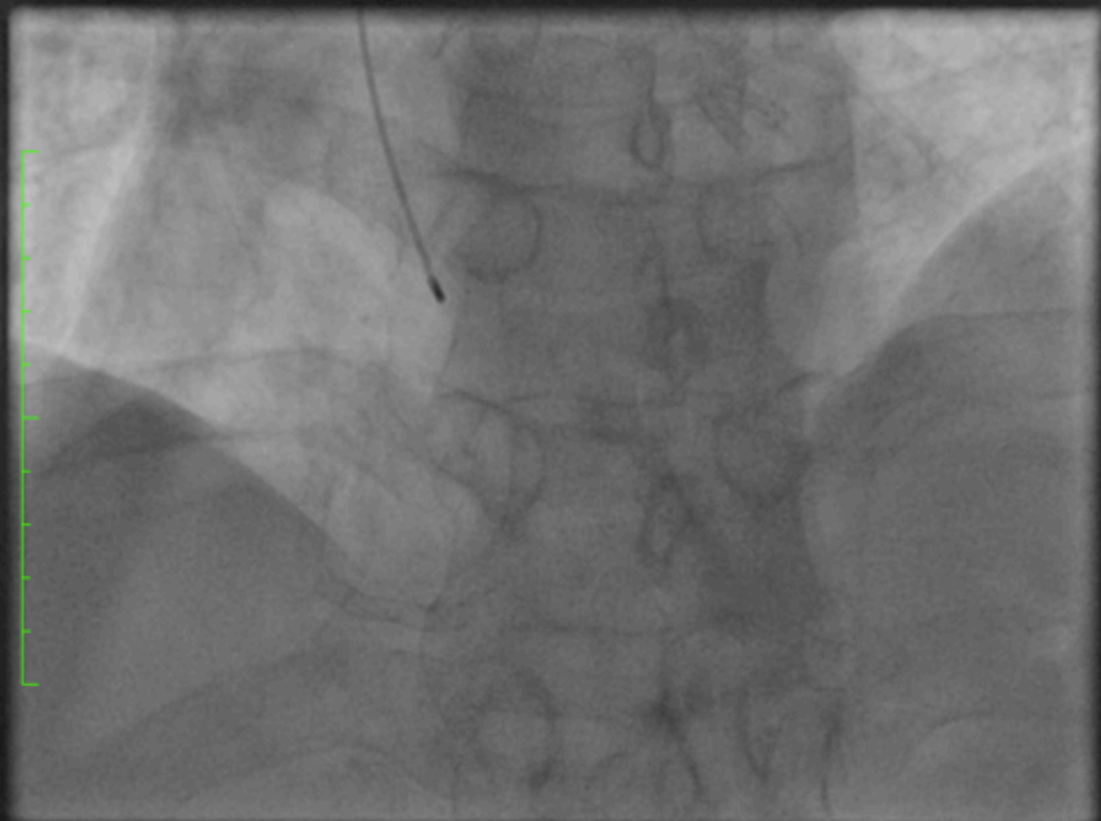


Zoom : 279%
Im : 1/38 Series: 30
JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

Taille de l'image : 512 x 512
NF : 138 LF : 189

23108063 (67a , 66a)
Coronarographie
Cardiaque



Zoom : 279%
Im : 1/68 Series: 6
JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

Contrôle à 6 mois

age : 512 x 512
: 189

23108063 (67a , 66a)
Coronarographie
Cardiaque



Zoom : 279%
Im : 1/48 Series: 4

Solution:

Bolus heparine 1mg/Kg

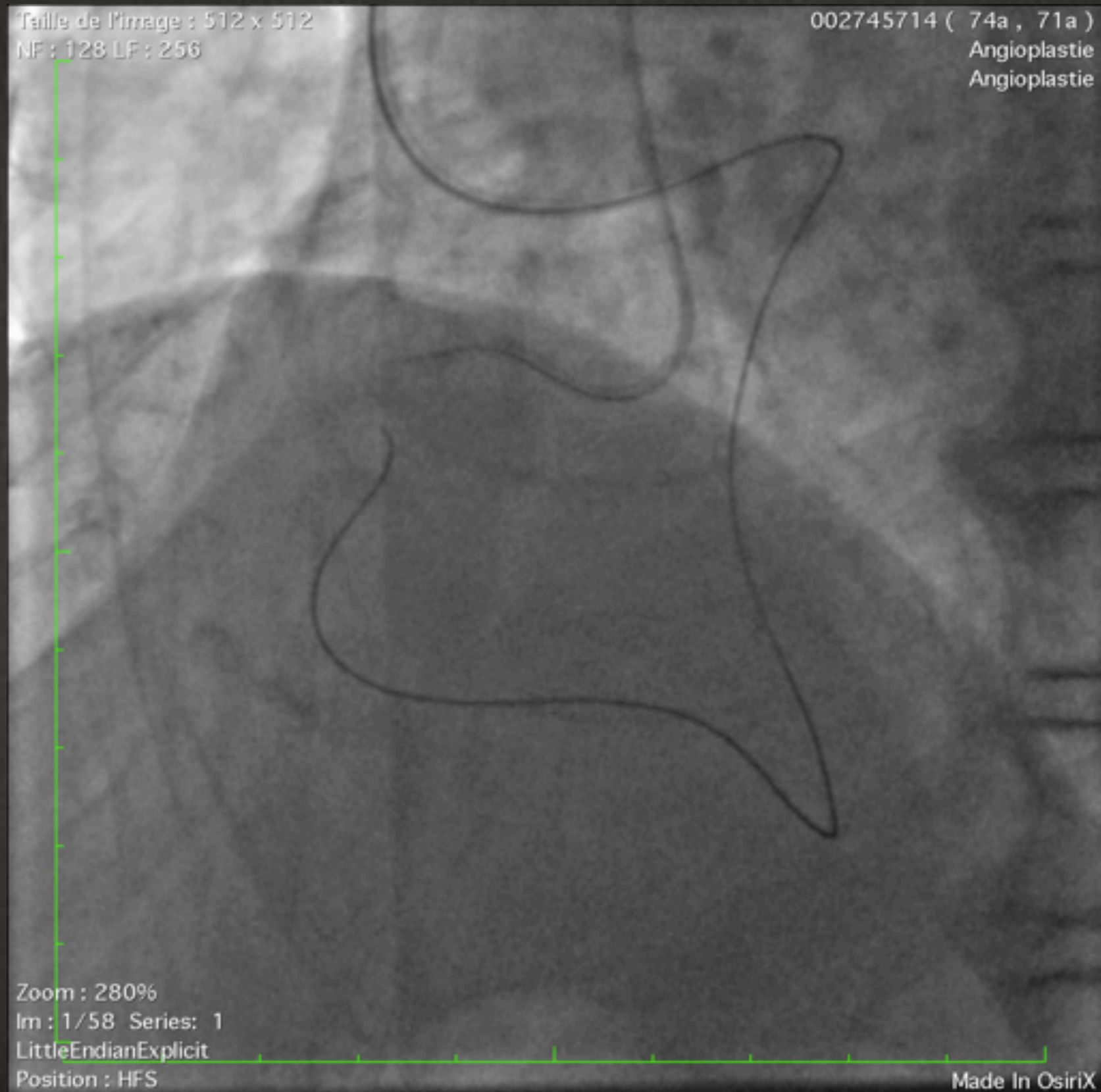
Contrôle ACT toutes les 30min

Intérêt de toujours placer un guide dans l'artère
donneuse (thrombose, dissection)



LES COMPLICATIONS INDÉPENDANTES DE NOTRE VOLONTÉ

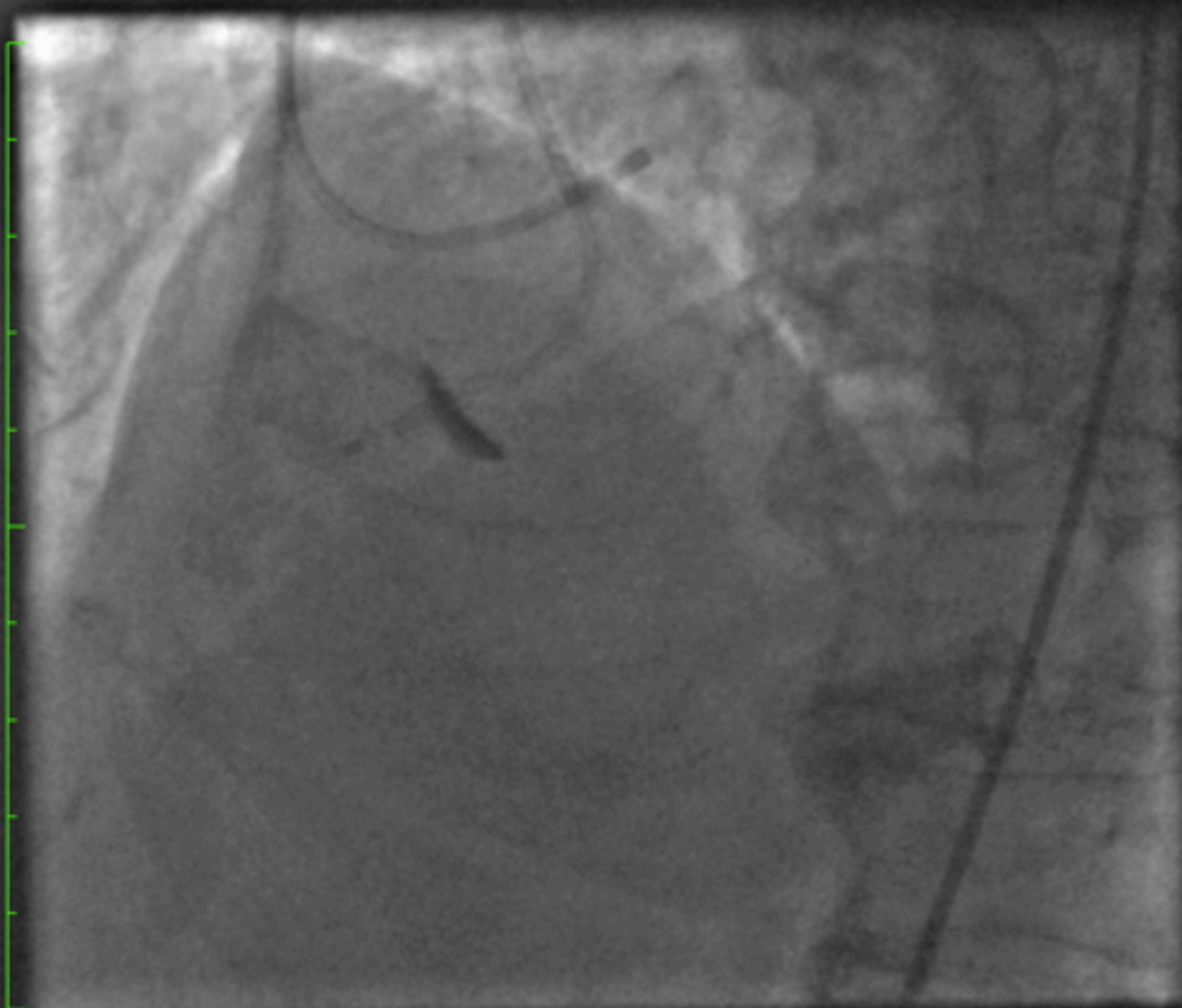
DISSECTION CULOT AORTIQUE



Taille de l'image : 512 x 512
NF : 128 LF : 256

002745714 (74a , 71a)

Angioplastie
Angioplastie

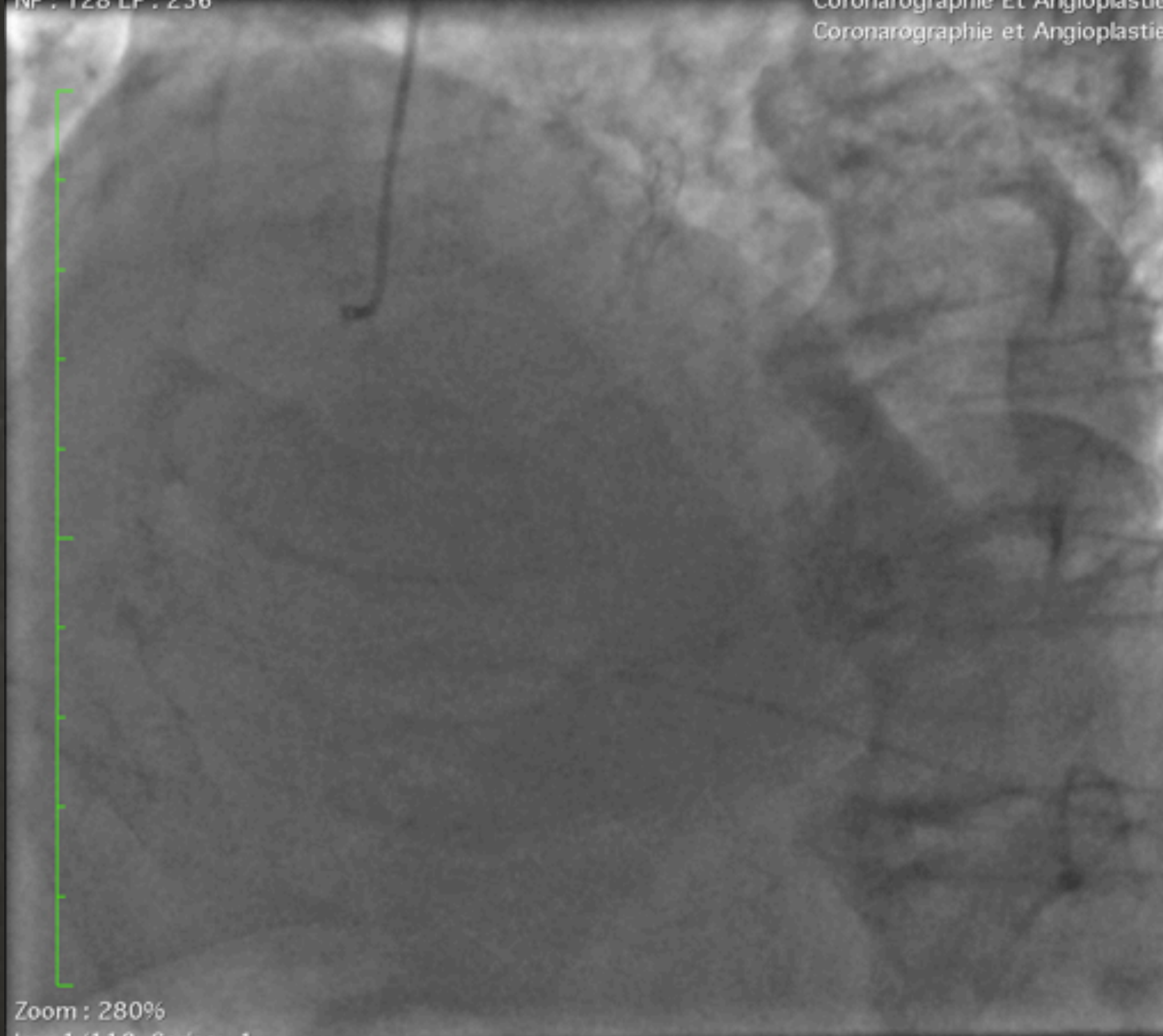


Zoom : 280%
Im : 1/65 Series: 1
LittleEndianExplicit

CONTRÔLE A 6 MOIS

Taille de l'image : 512 x 512
NF : 128 LF : 256

002745714 (74a , 72a)
Coronarographie Et Angioplastie
Coronarographie et Angioplastie



Zoom : 280%
Im : 1/118 Series: 1
LittleEndianExplicit
Position : HFS

Made In OsiriX

SOLUTION QUAND CELA ARRIVE

1) LIMITER LES INJECTIONS

2) UTILISER UNE EXTENSION POUR INJECTER
DANS DOUCEMENT DANS LA CORONAIRE



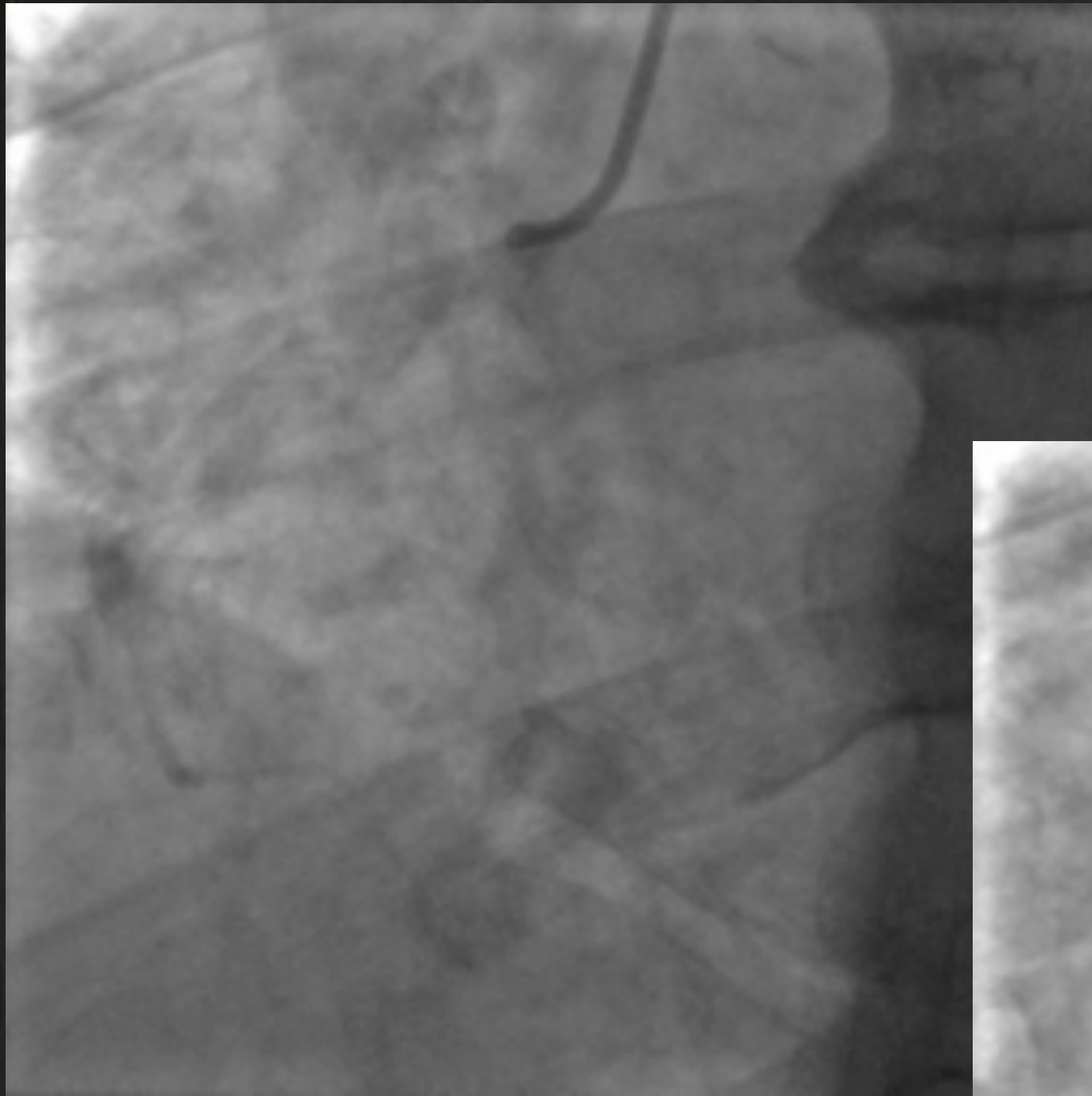
LES PERFORATIONS

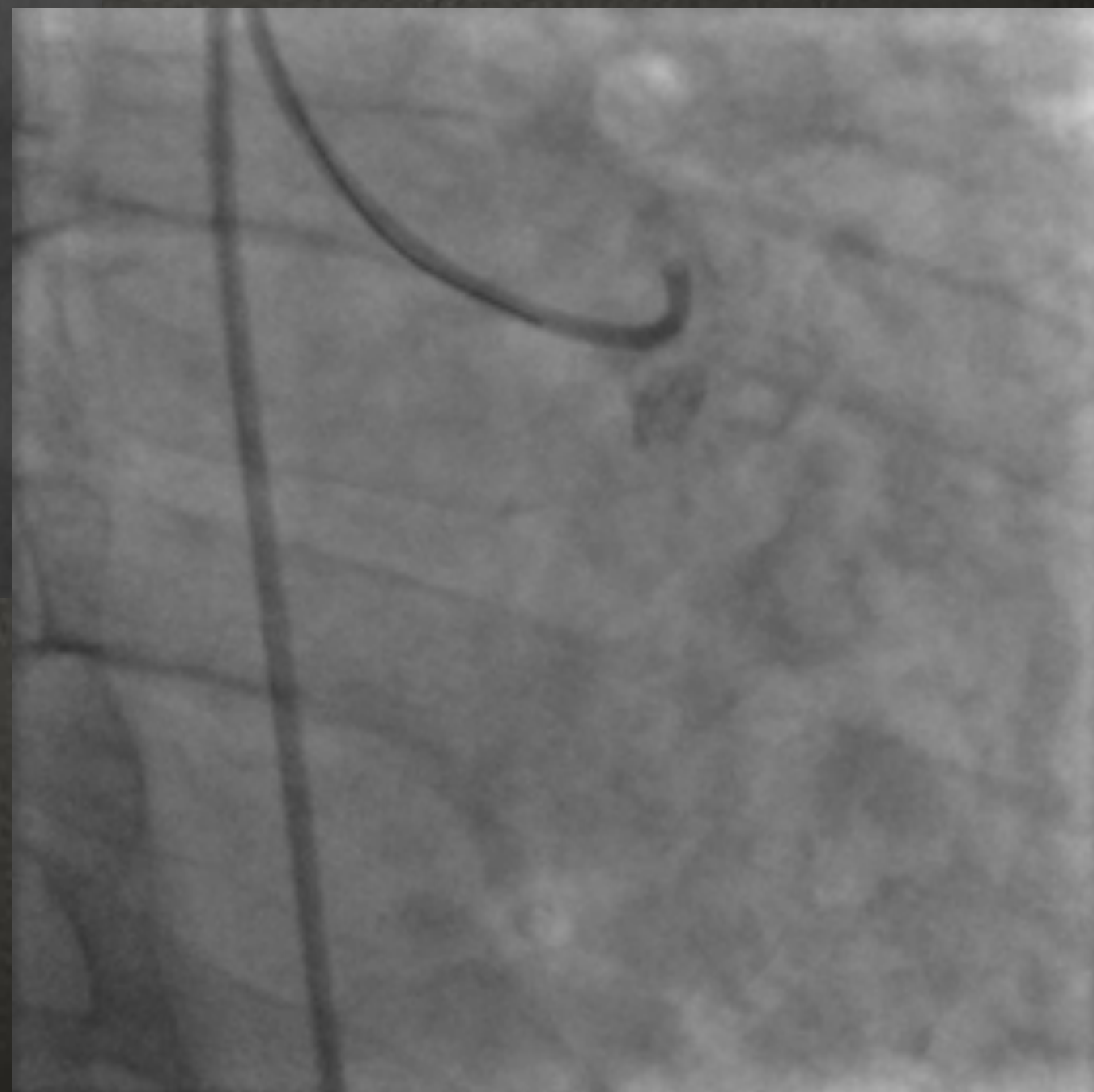
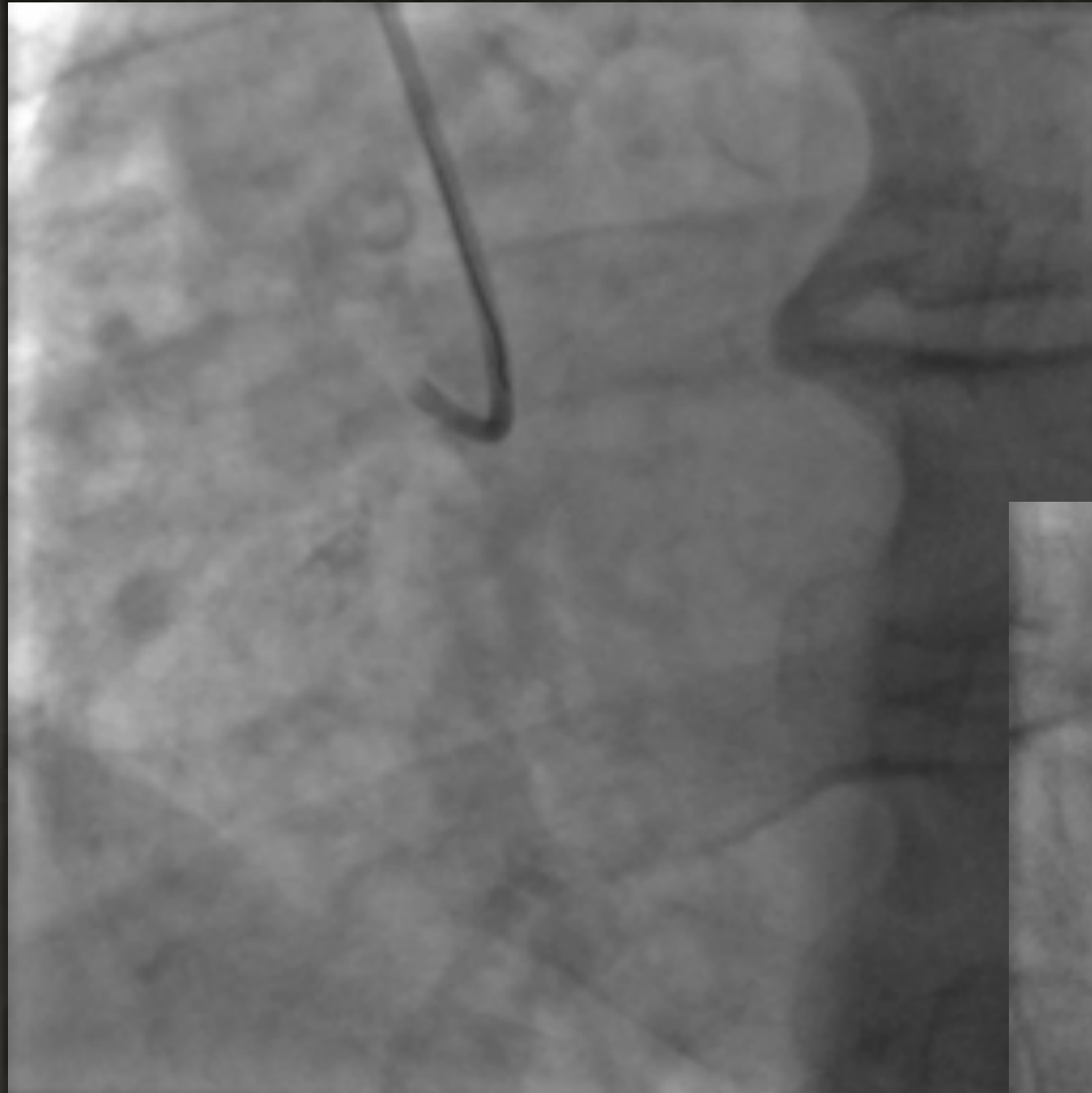
Les perforations peuvent toucher:

- le vaisseau occlus (guides, ballon)
- les collatérales : septales ou épocardiques
- perforation distale du vaisseau lié au guide

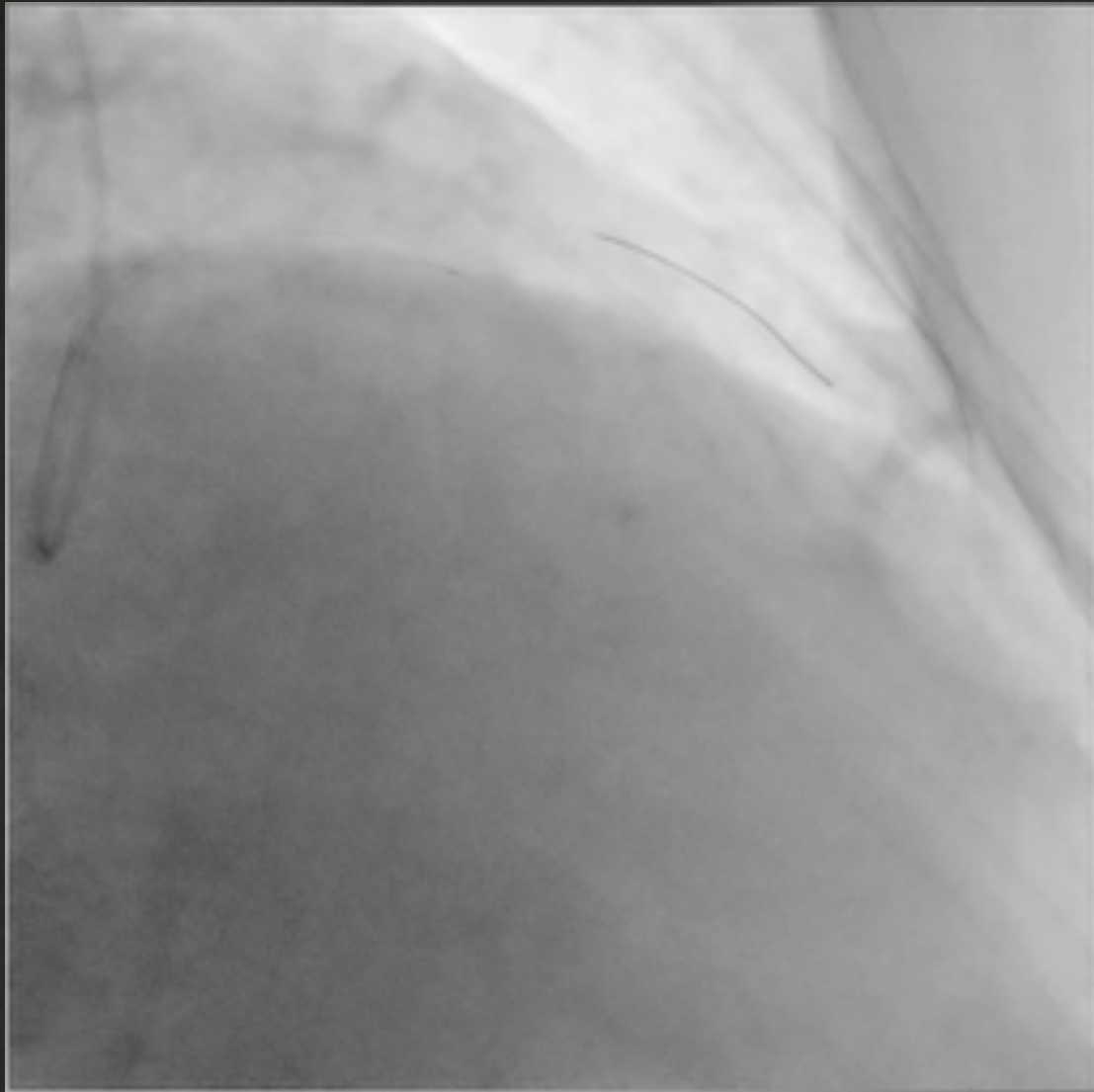
0.5% des procedures Mais 20% de mortalité

Bridging = danger

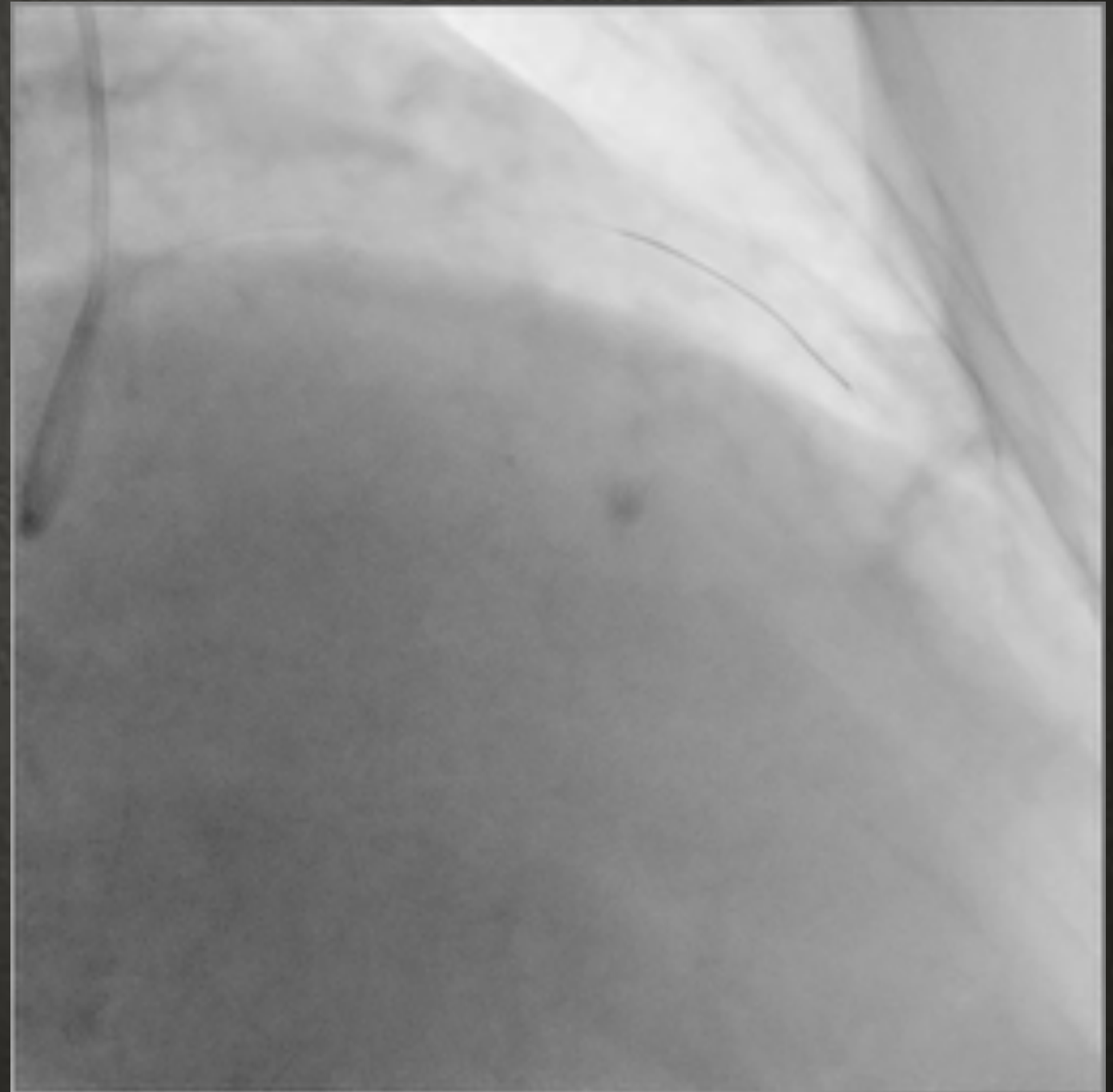




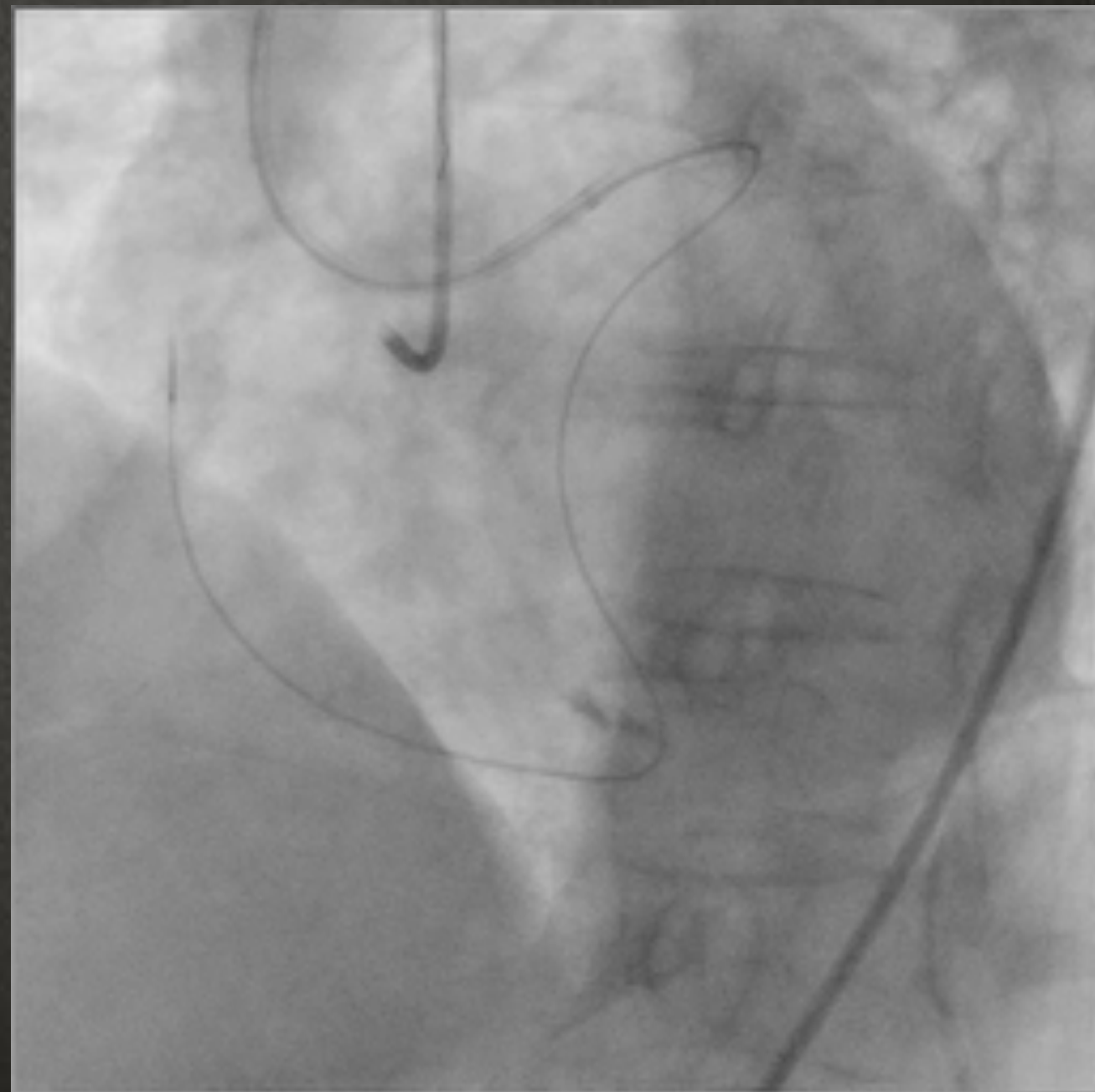
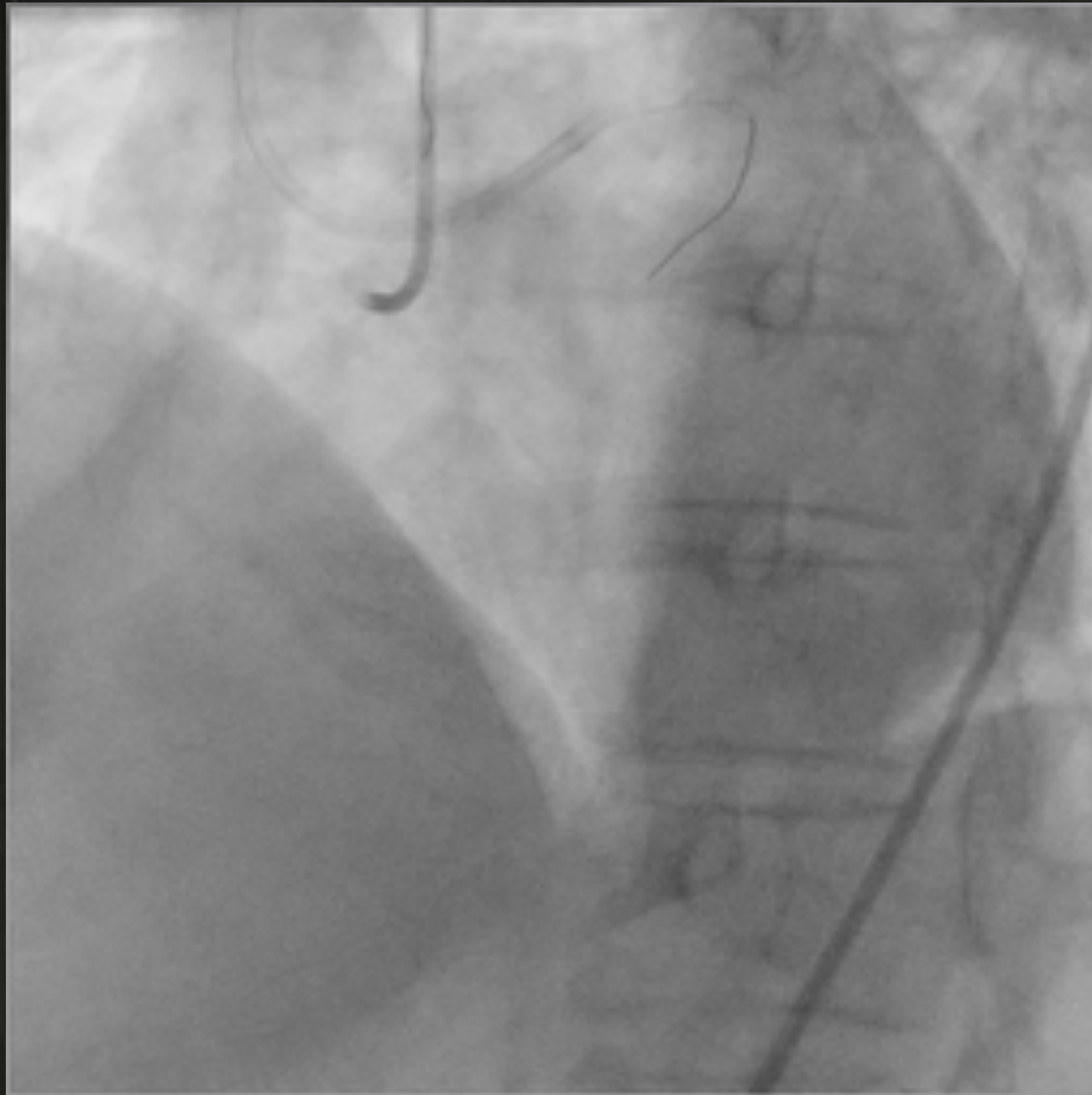
Perforation des collatérales septales

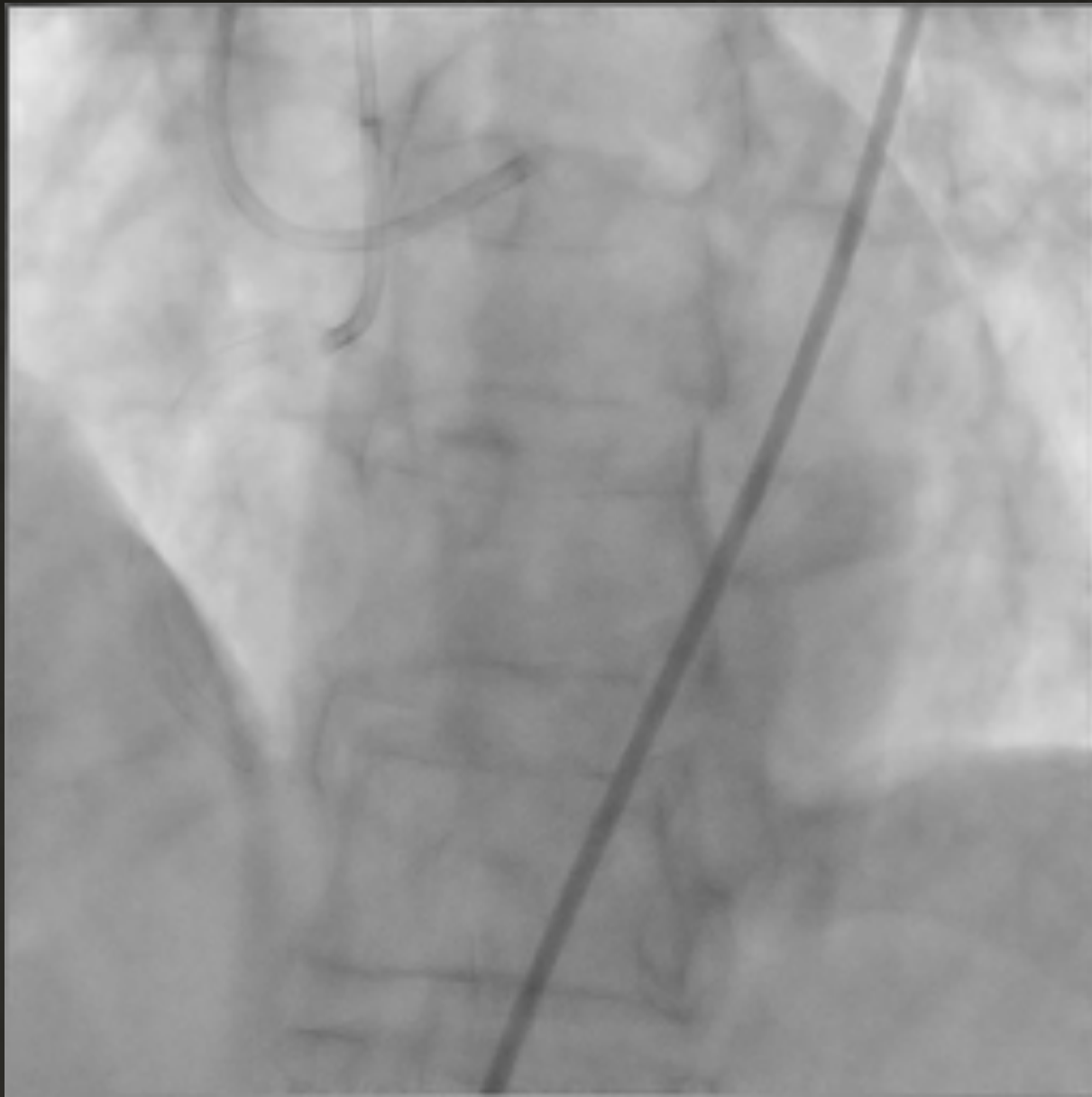


simple hematome septal

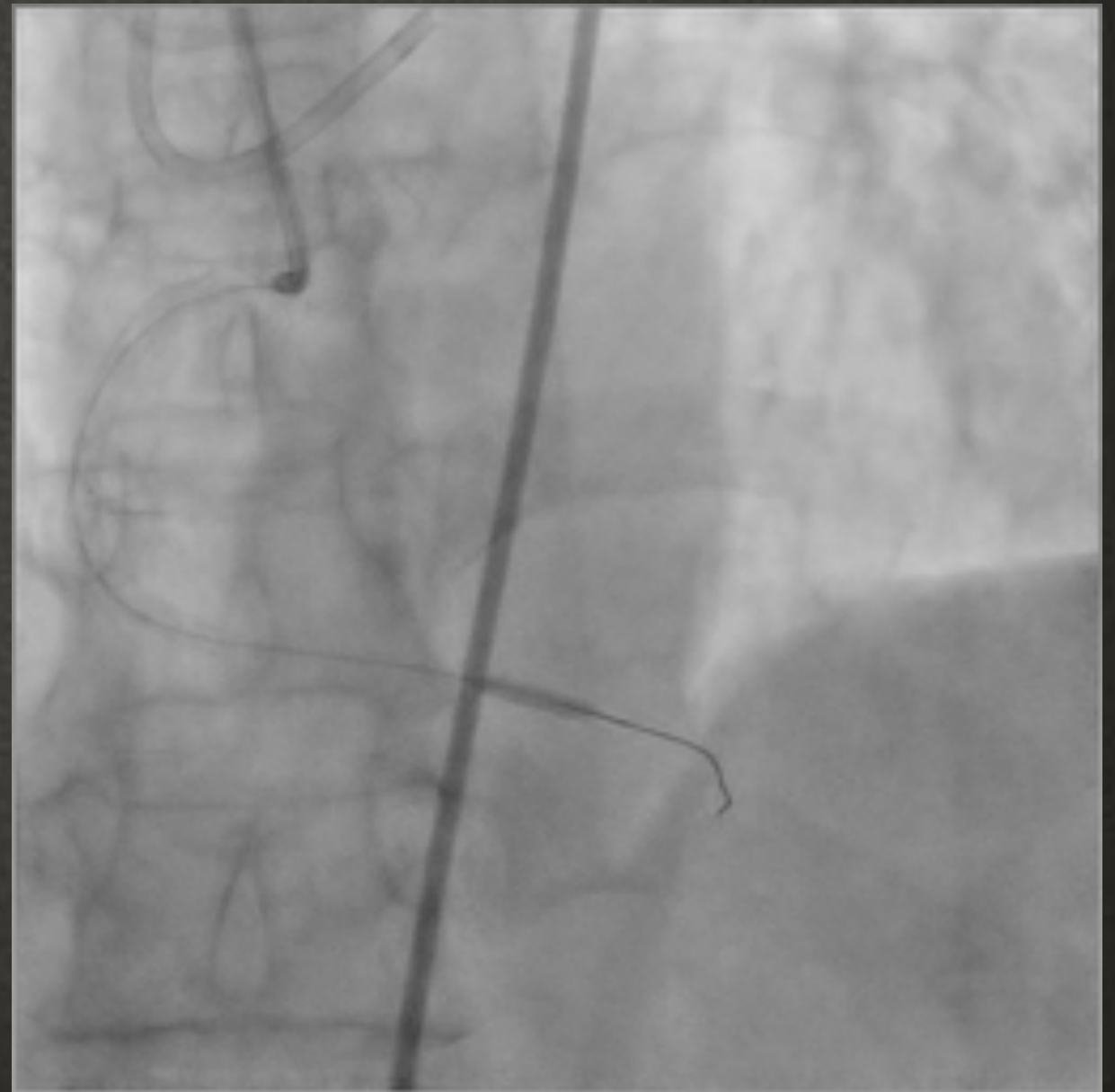


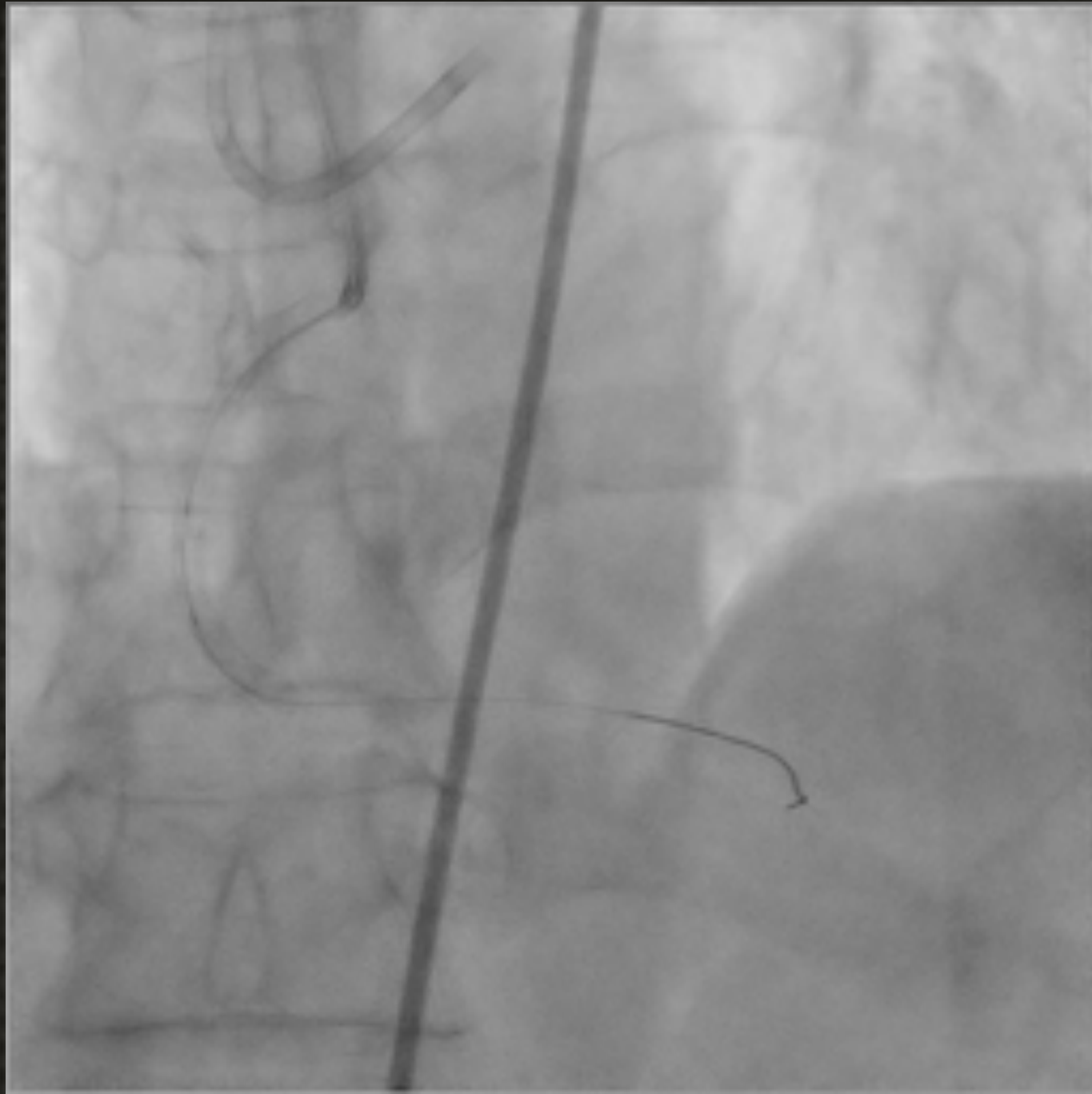
Perforation septal



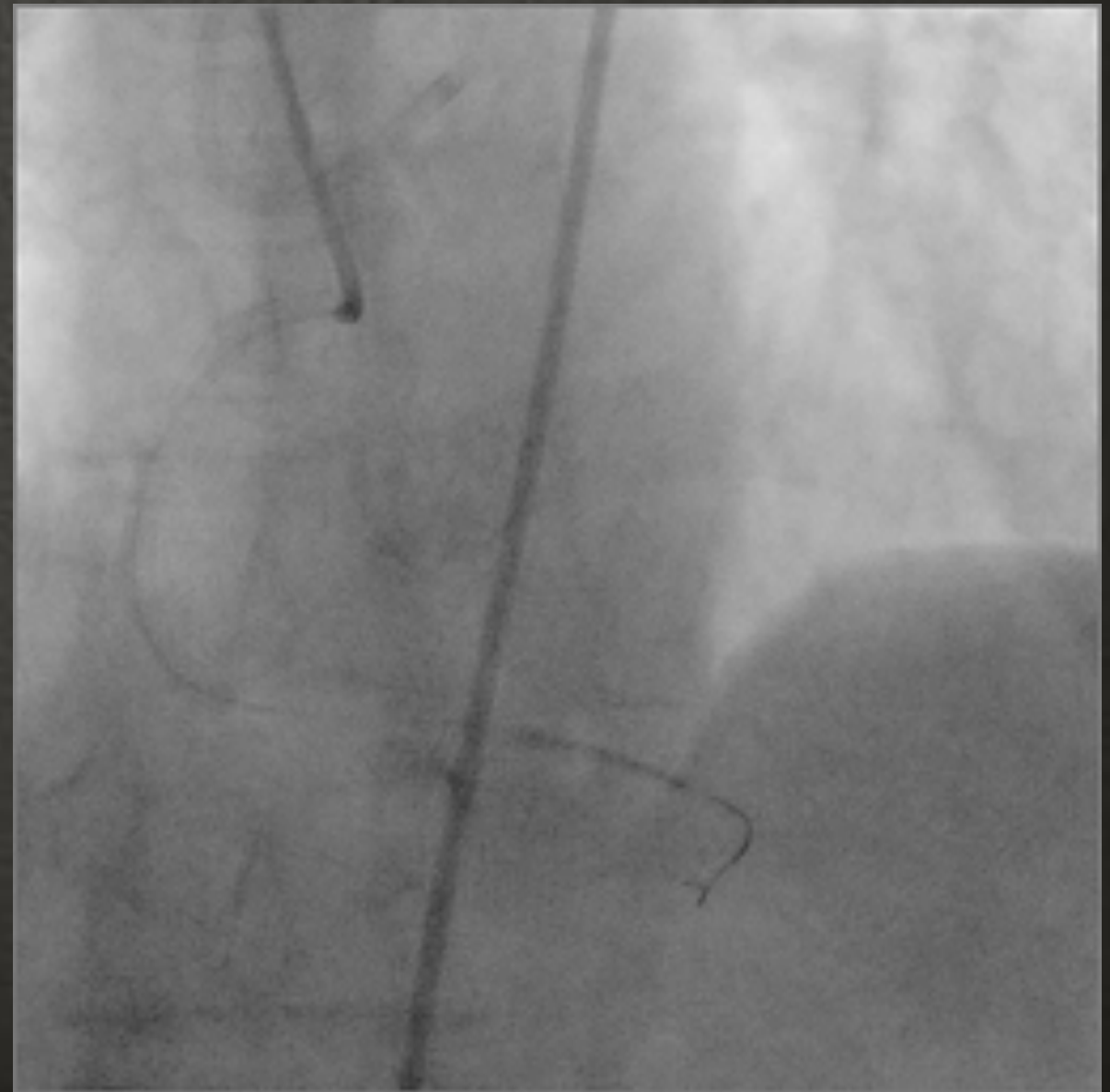


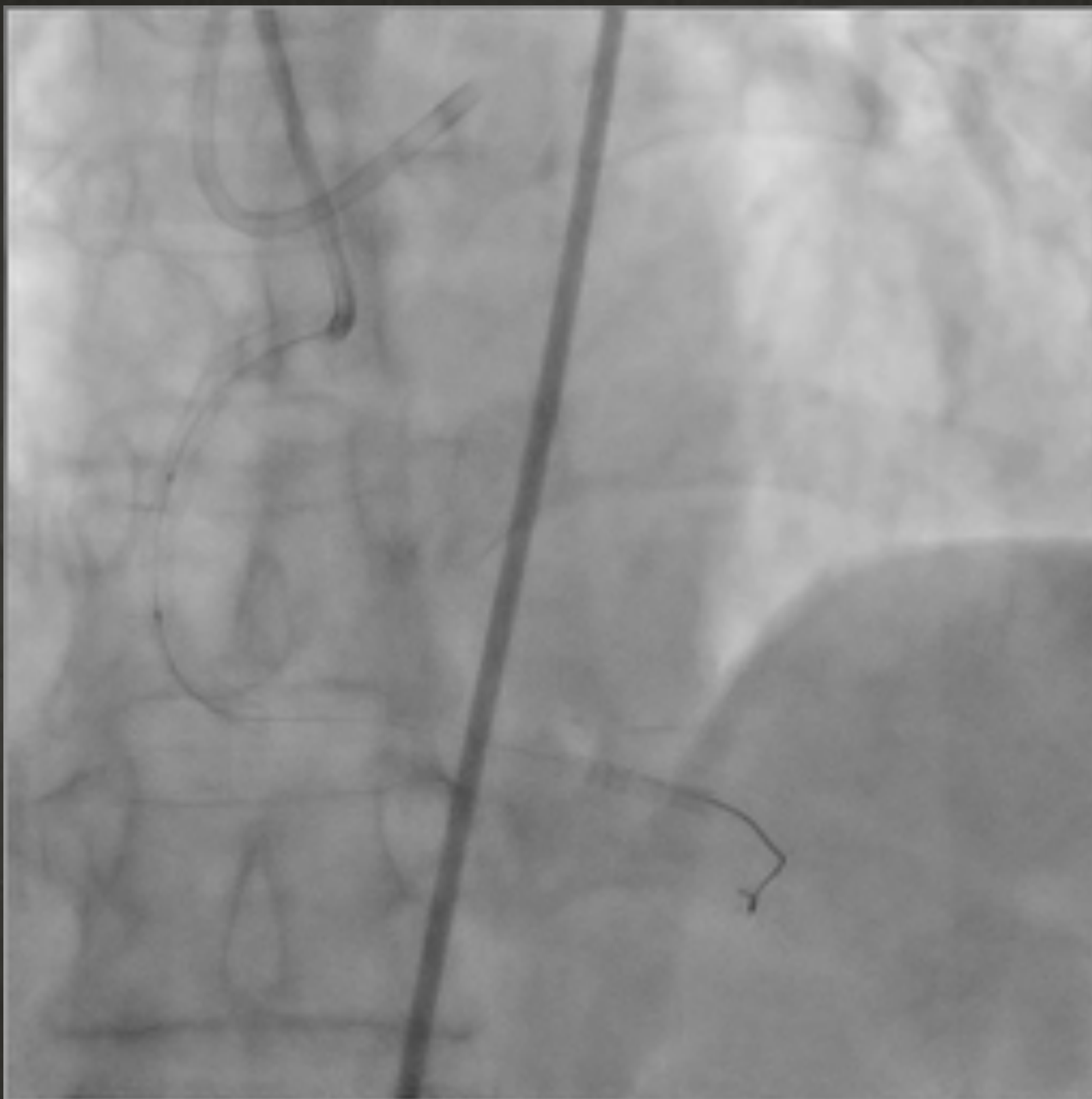
Inflation ballon



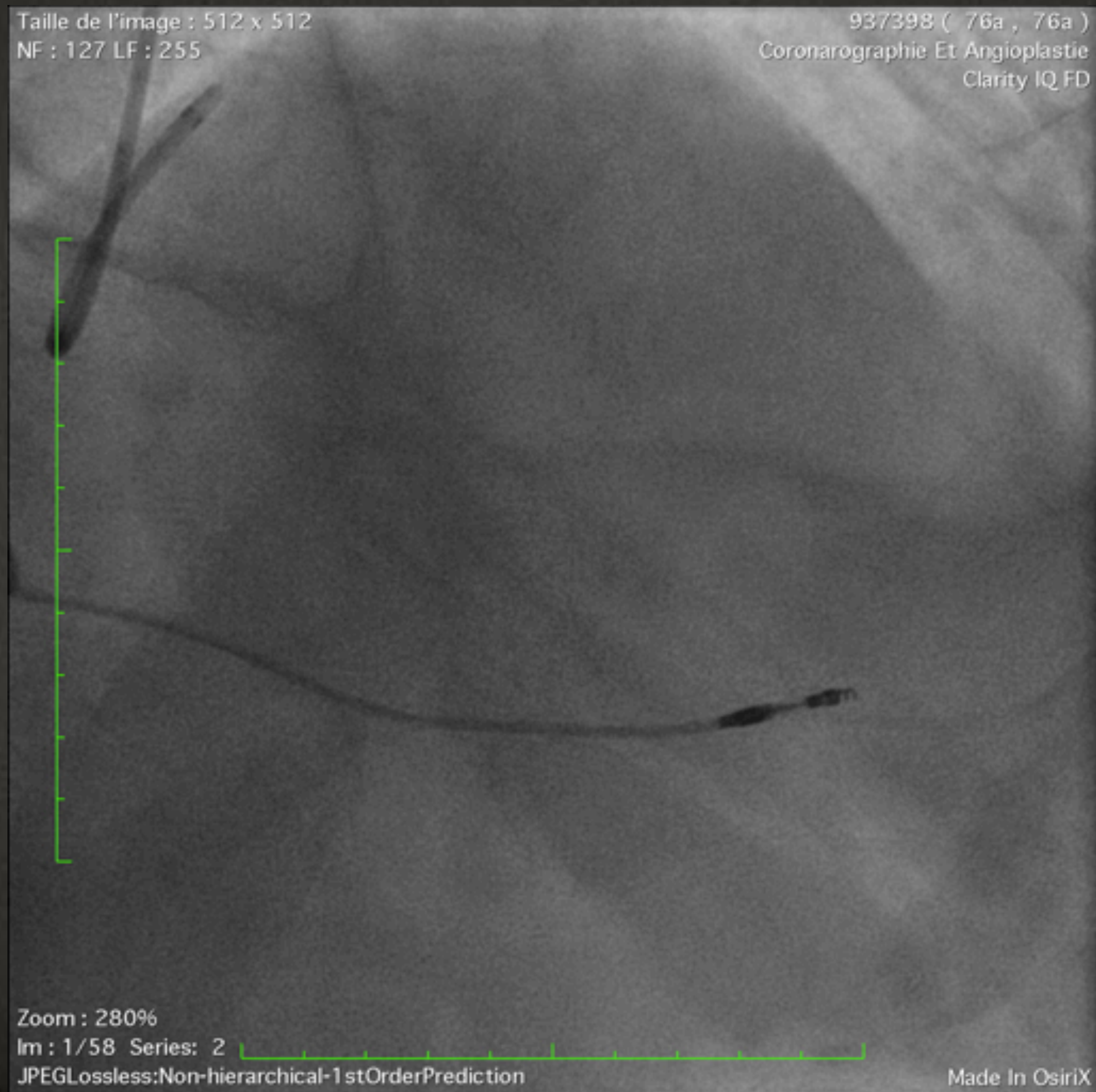


Stent couvert papyrus



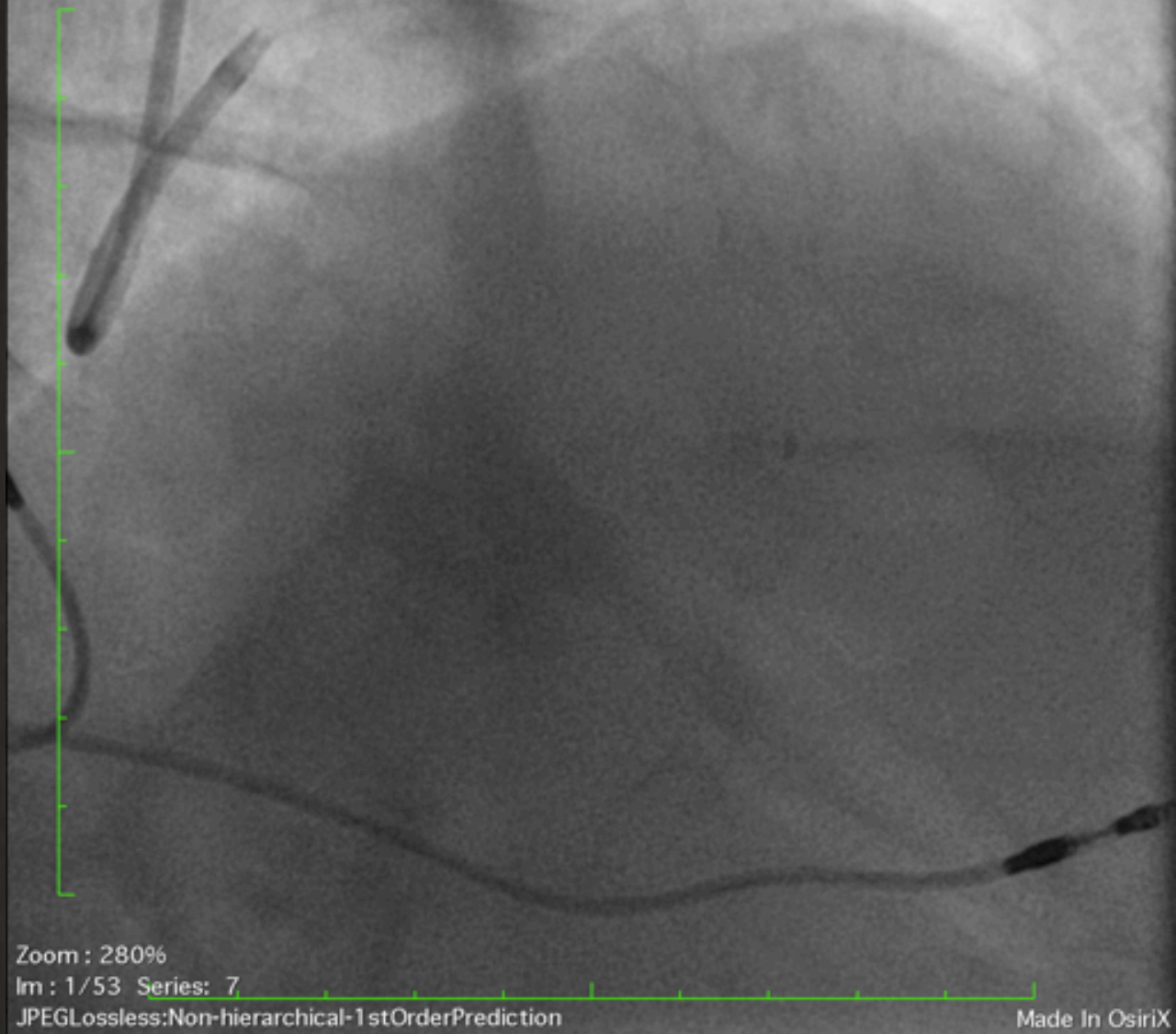


Occlusion ostiale CD



Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD



Passage septal très tortueux

Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD



Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD

Zoom : 280%

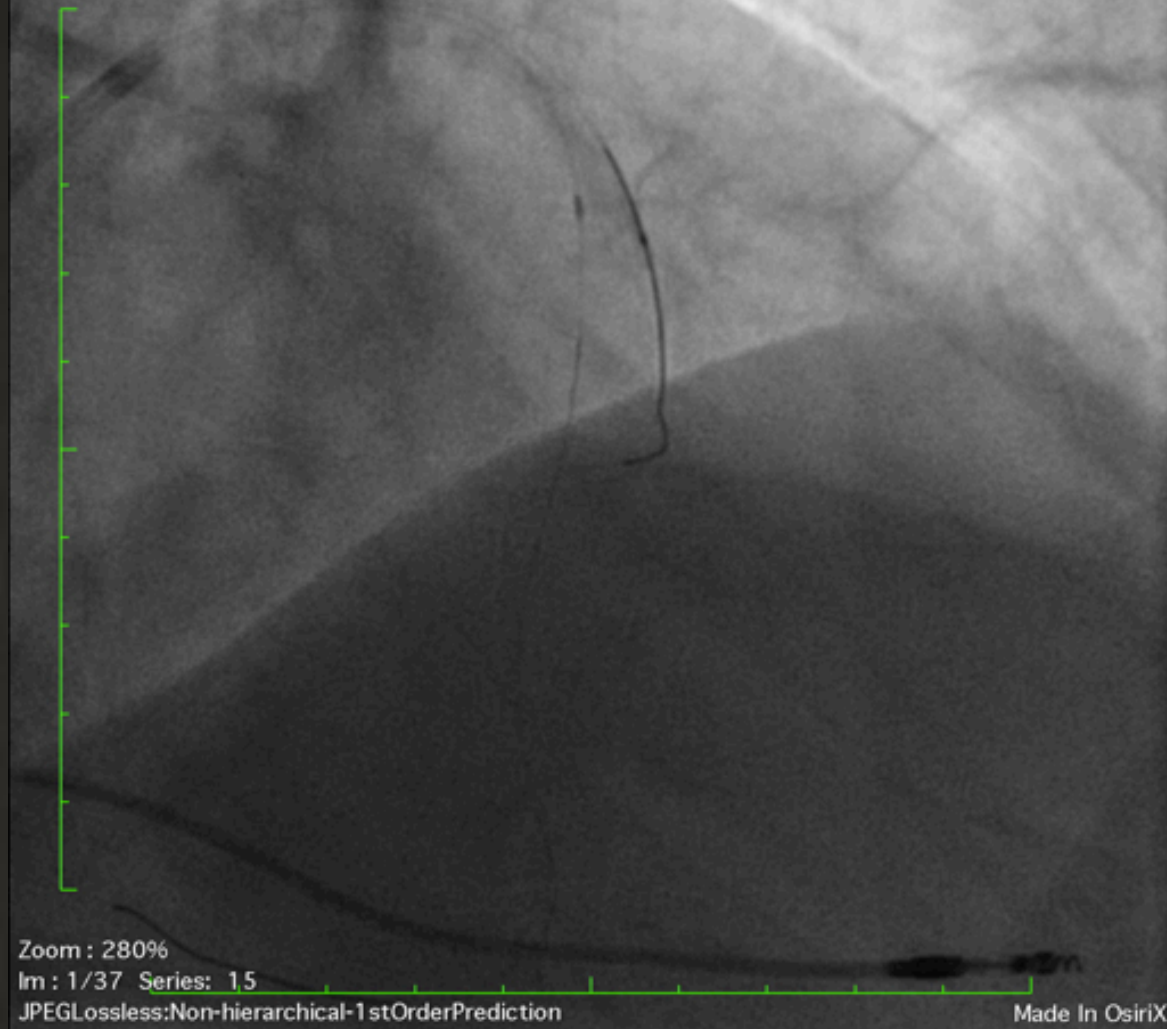
Im : 1/48 Series: 14

JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

Taille de l'image : 512 x 512
NF : 127 LF : 255

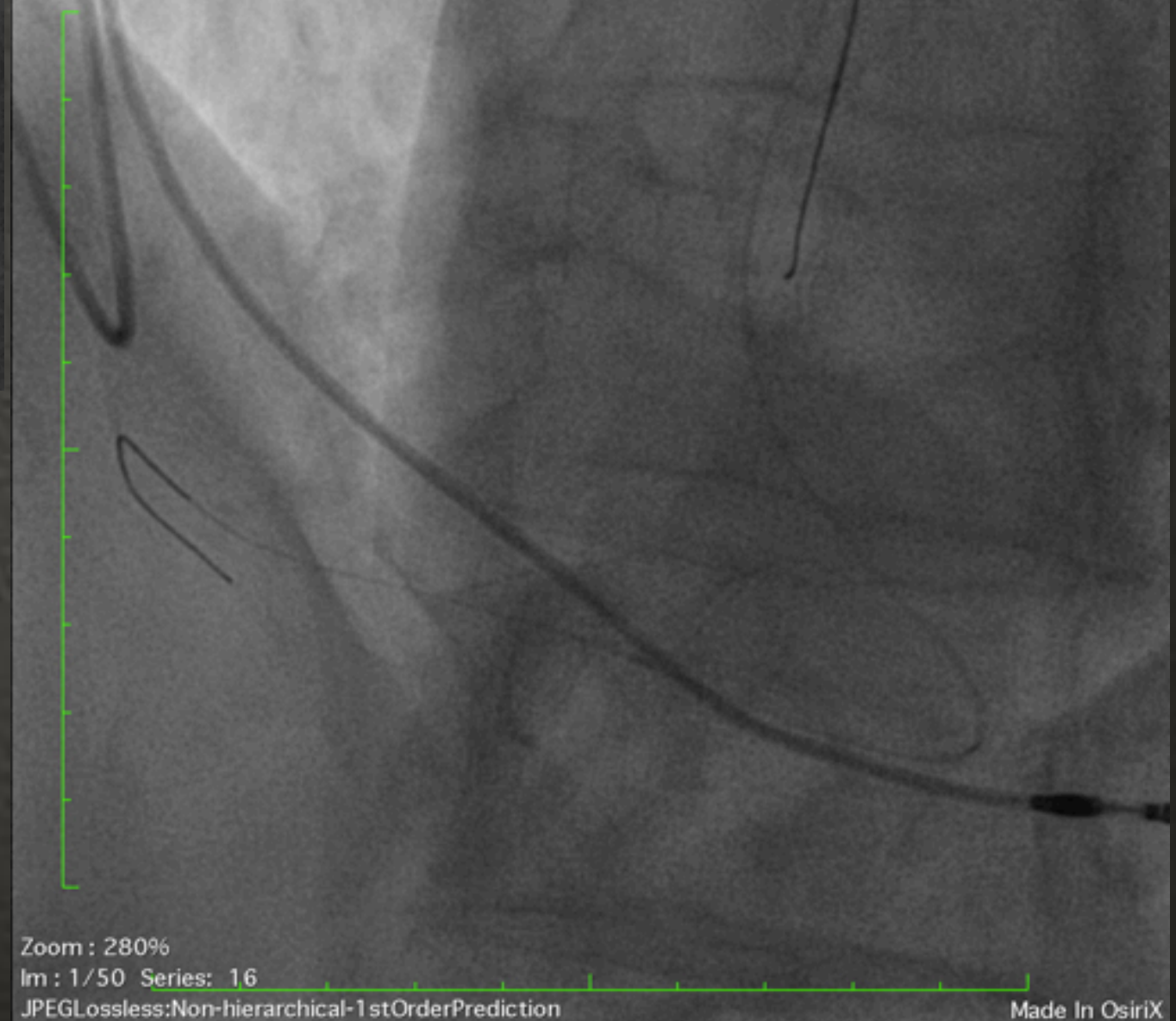
937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD



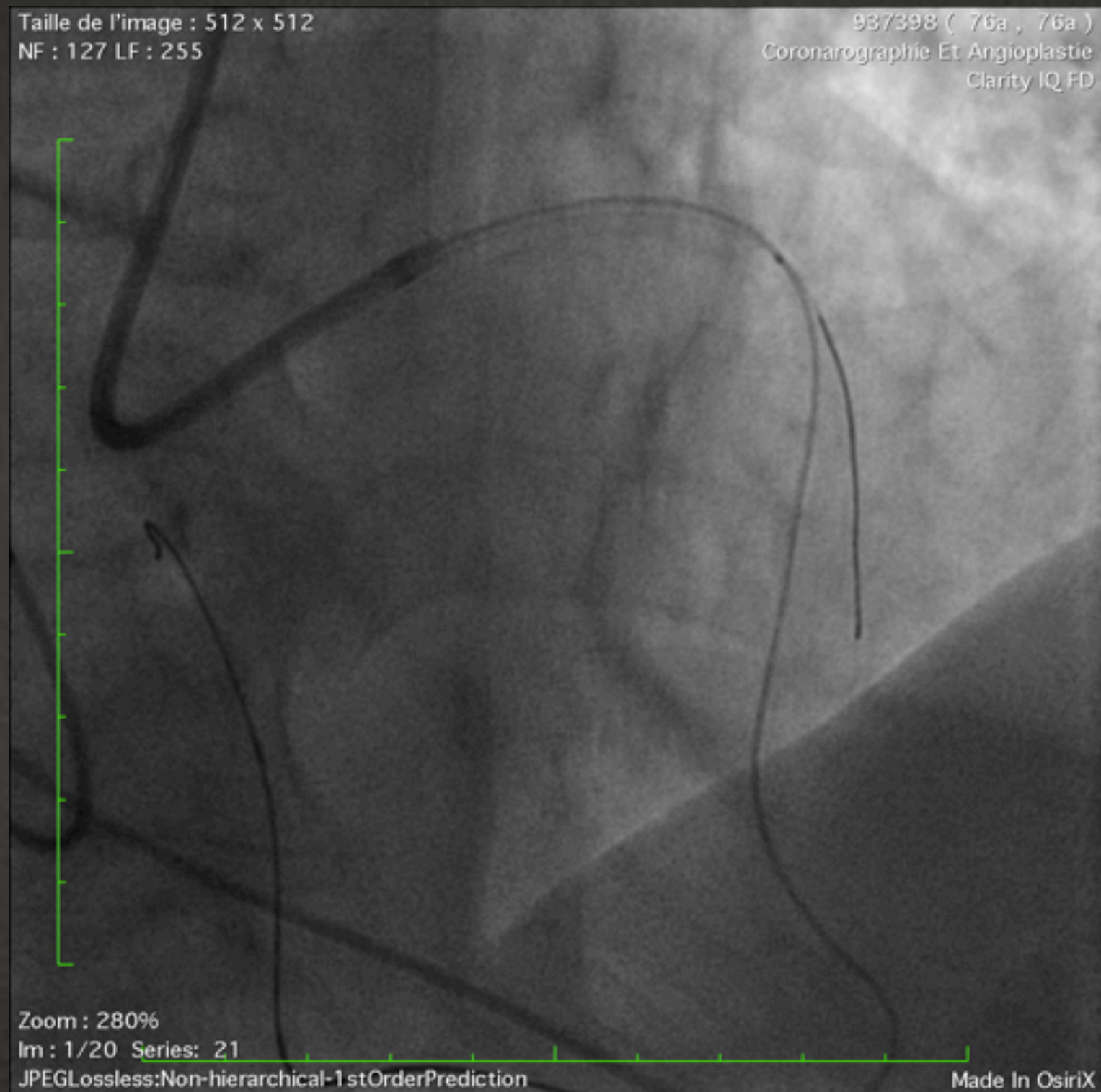
Inflation ballon ostium septal

Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD



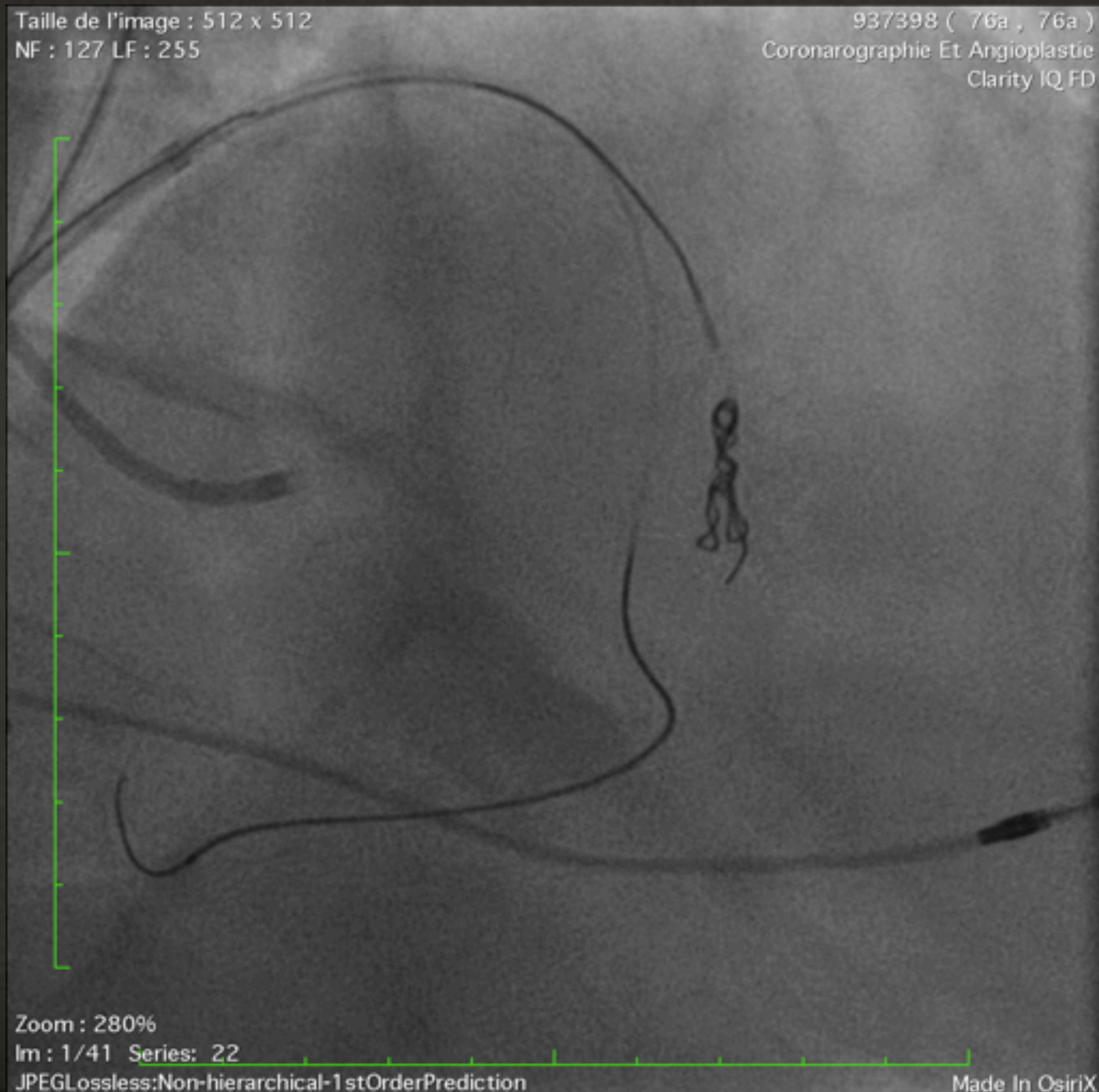
Persistence de la perforation



Coil

Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD



Zoom : 280%

Im : 1/41 Series: 22

JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD

Zoom : 280%
Im : 1/31 Series: 62
JPEGLossless:Non-hierarchical-1stOrderPrediction

Made In OsiriX

Résultat final

Taille de l'image : 512 x 512
NF : 127 LF : 255

937398 (76a , 76a)
Coronarographie Et Angioplastie
Clarity IQ FD

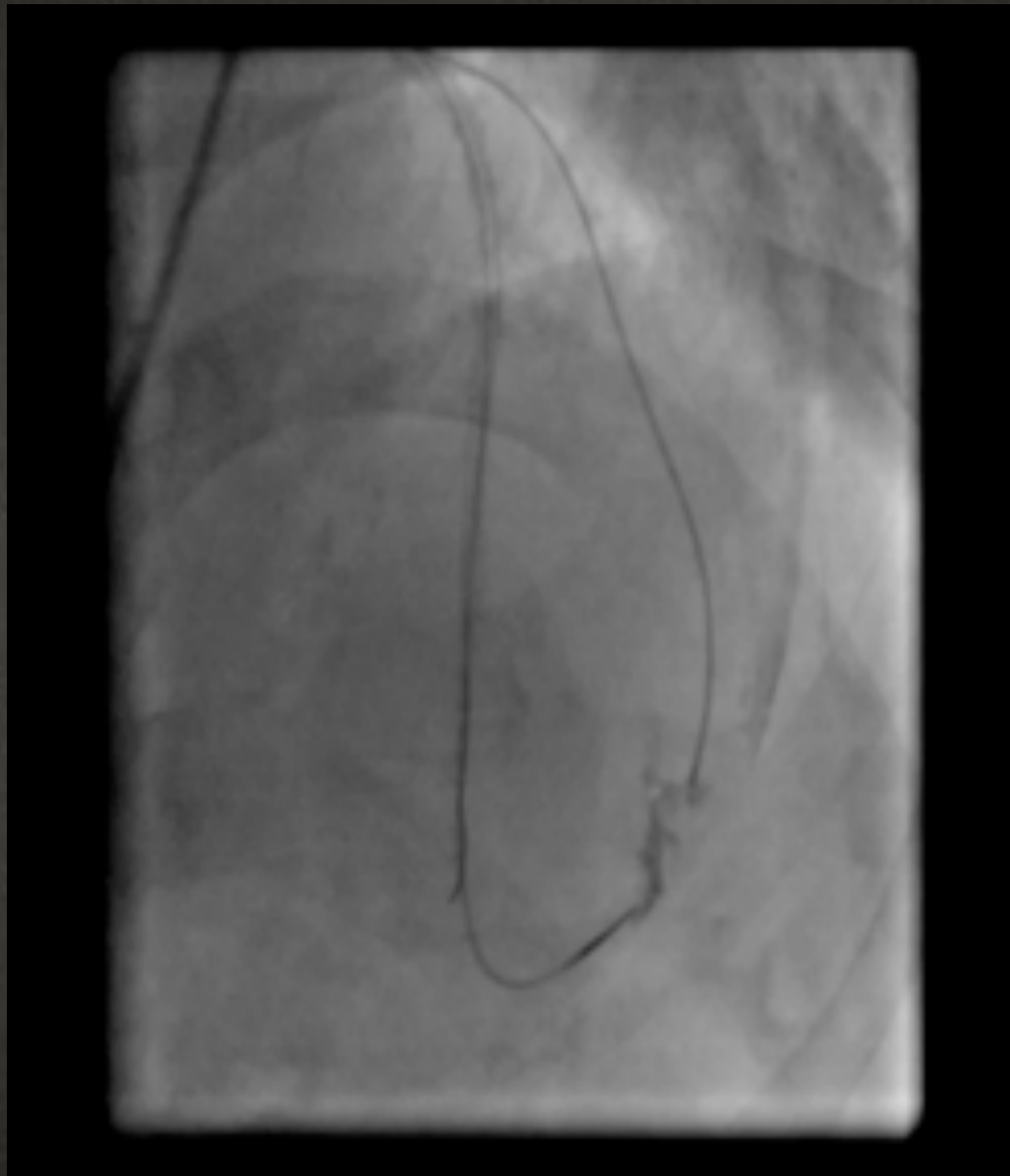
Zoom : 280%
Im : 1/44 Series: 63
JPEGLossless:Non-hierarchical-1stOrderPrediction

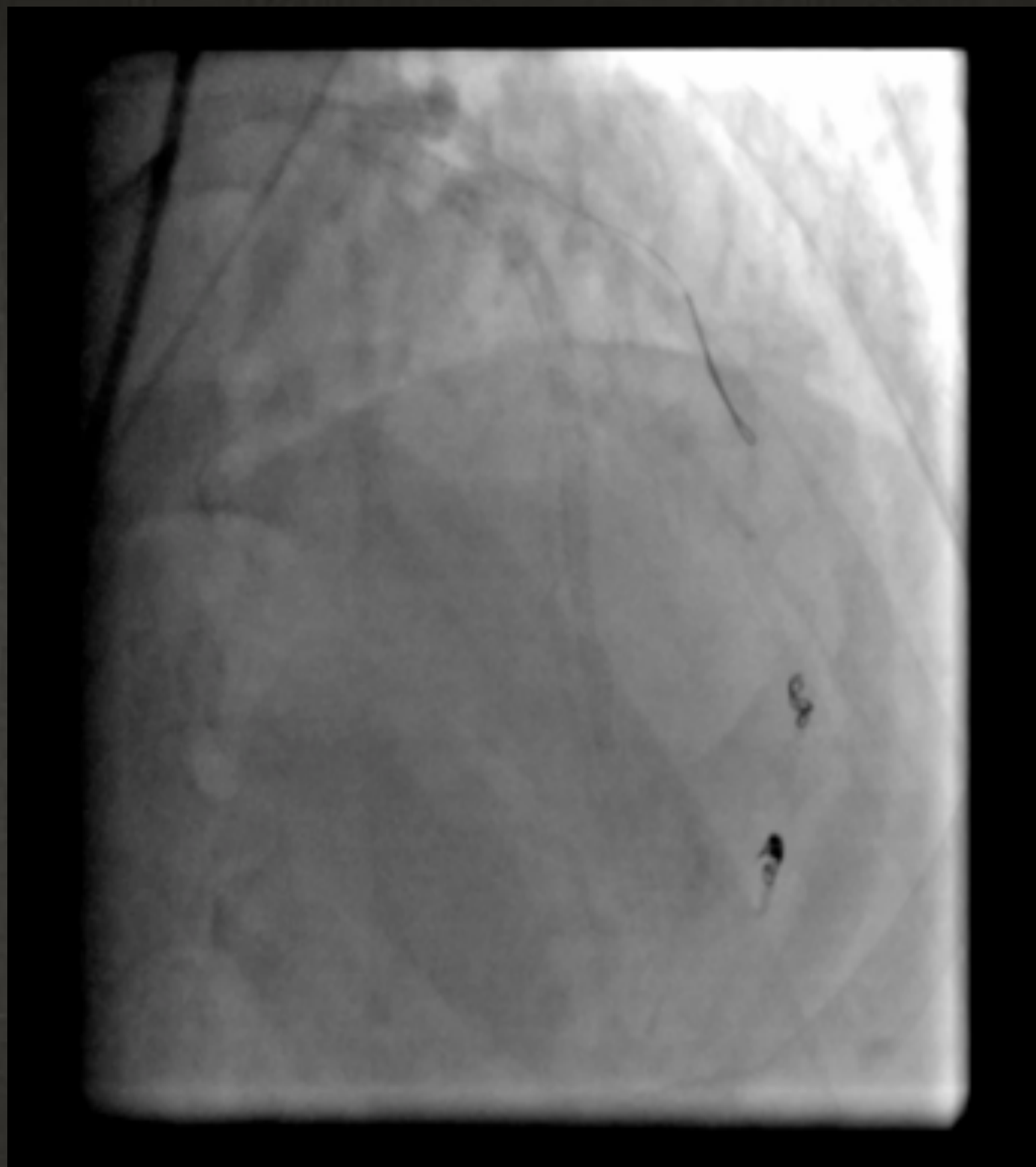
Made In OsiriX

Do you copy : I have an epicardial perforation



Try to wire both sides of your epicardial

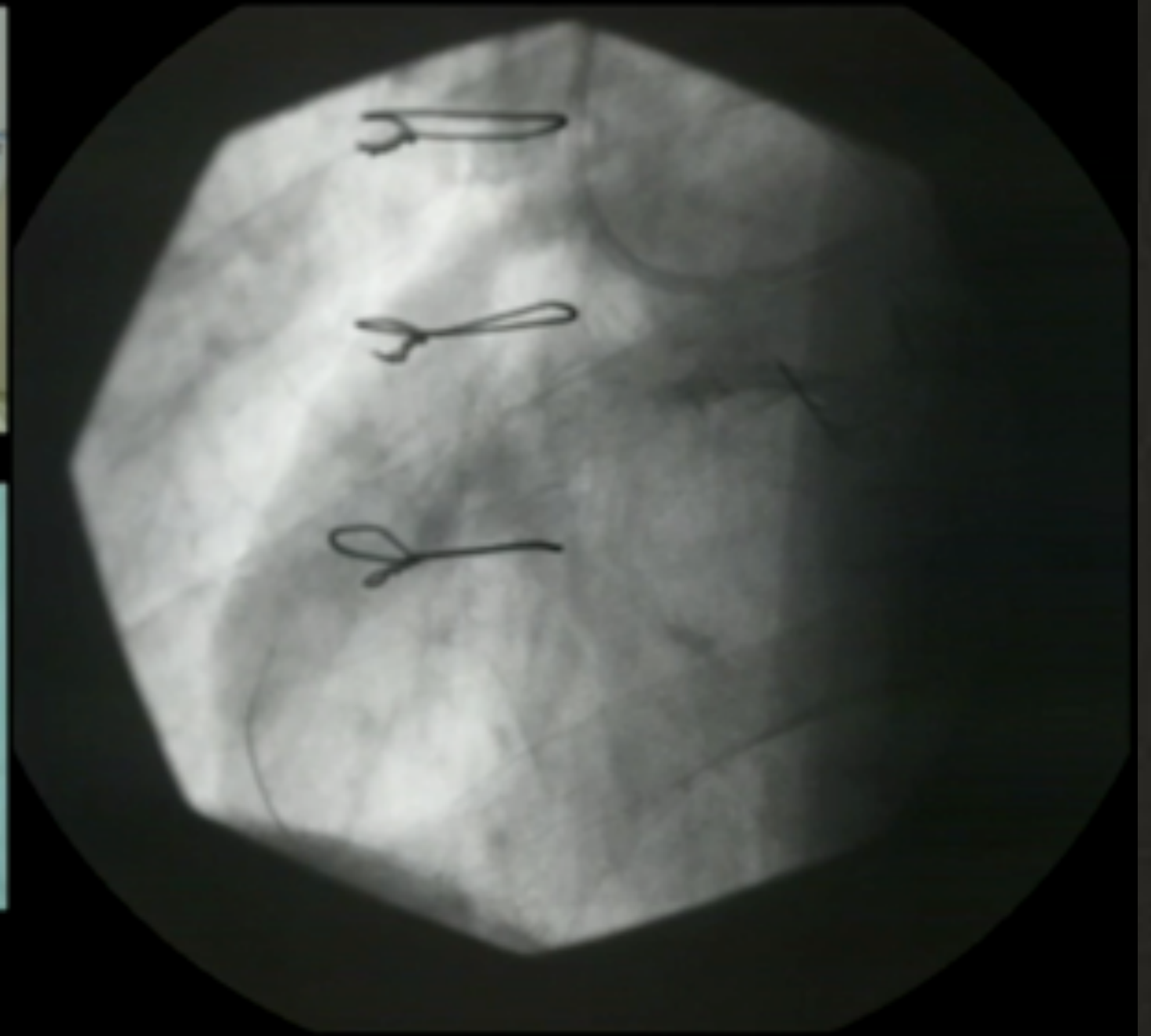
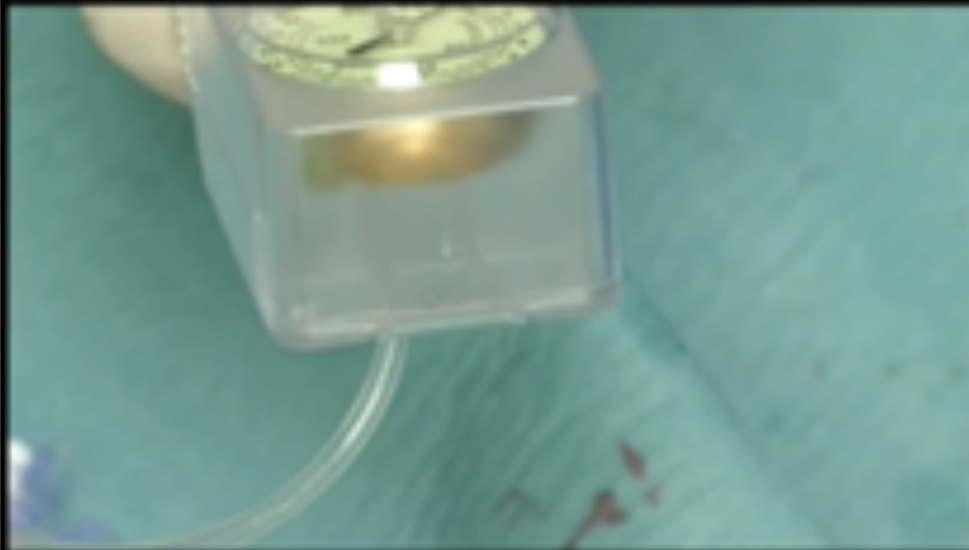




Mon bouquet final



Perforation coronaire chez un ponté





MERCI

6TH EDITION

MLCTO SHARING KNOWLEDGE

PRELIMINARY PROGRAM

2021

MULTI-LEVEL **CTO** COURSE

JULY 1ST & 2ND
Palais de la Méditerranée,
Nice, France

HYBRID EDITION
Join us onsite or watch online!

DIRECTORS
Alexandre AVRAN MD
Kambis MASHAYEKHI MD
Stéphane RINFRET MD

 
ADD TO CALENDAR

academy.mlcto.com 



