

**Boston
Scientific**
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Amphithéâtre
Palais du Pharo

Symposium

Jeudi 27 janvier, 12h45 - 14h15

Occlusions longues : tout pour réussir !

Modérateurs : Thomas Hovasse – Erwan Bressollette

- **Franchissement des occlusions longues** - Alexandre Avran
- **Préparation : intérêt et utilisation du Rota** - Philippe Durand
- **Analyser et optimiser : apport de l'IVUS HD** - Nicolas Boudou
- **Stenting des lésions longues : aspects pratiques** - Pascal Motreff

FRANCHISSEMENT DES OCCLUSIONS LONGUES



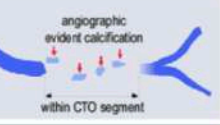
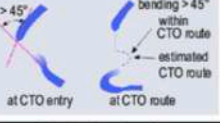
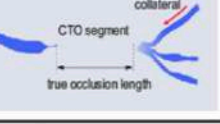
Alexandre Avran Essey-lès-Nancy

A PARTIR DE COMBIEN ON PARLE D'OCCLUSIONS
LONGUES ?

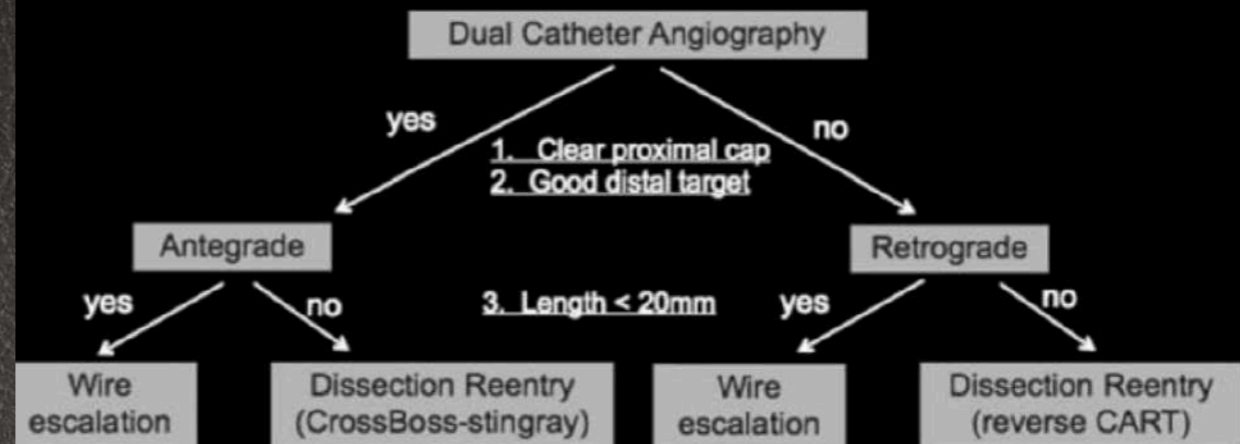


J-CTO SCORE SHEET

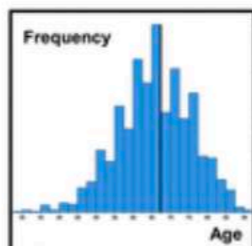
Version 1.0

Variables and definitions			
<p>Tapered</p> 	<p>Blunt</p> 	<p>Entry with any tapered tip or dimple indicating direction of true lumen is categorized as "tapered".</p>	<p>Entry shape</p> <input type="checkbox"/> Tapered (0) <input type="checkbox"/> Blunt (1)
		point	
<p>Calcification</p> 	<p>Regardless of severity, 1 point is assigned if any evident calcification is detected within the CTO segment.</p>	<p>Calcification</p> <input type="checkbox"/> Absence (0) <input type="checkbox"/> Presence (1)	
		point	
<p>Bending > 45 degrees</p> 	<p>One point is assigned if bending > 45 degrees is detected within the CTO segment. Any tortuosity separated from the CTO segment is excluded from this assessment.</p>	<p>Bending > 45°</p> <input type="checkbox"/> Absence (0) <input type="checkbox"/> Presence (1)	
		point	
<p>Occlusion length</p> 	<p>Using good collateral images, try to measure "true" distance of occlusion, which tends to be shorter than the first impression.</p>	<p>Occi.Length</p> <input type="checkbox"/> < 20 mm (0) <input type="checkbox"/> ≥ 20 mm (1)	
		point	
<p>Re-try lesion</p> <p>Is this Re-try (2nd attempt) lesion> (previously attempted but failed)</p>		<p>Re-try lesion</p> <input type="checkbox"/> No (0) <input type="checkbox"/> Yes (1)	
		point	
<p>Category of difficulty (total point)</p> <input type="checkbox"/> easy (0) <input type="checkbox"/> Intermediate (1) <input type="checkbox"/> difficult (2) <input type="checkbox"/> very difficult (≥ 3)			<p>Total</p> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> points

The Hybrid Algorithm for CTO PCI initial approaches

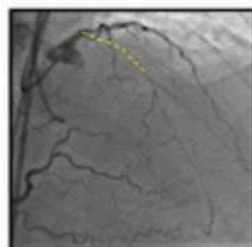


Scoring system



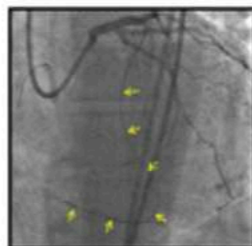
Patient age > 65 years

+3 points



CTO length ≥ 23 mm

+2 points



Use of the retrograde approach

+1 point

Risk of complications

≥ 5 points
6.6% risk

3-4 points
2.0% risk

0-2 points
0.2% risk

Progress CTO complication score

CTO LONGUE
20,30,40....80MM???

MON ALGORITHME DÉCISIONNEL
POUR CHOISIR LA MEILLEURE
STRATÉGIE DE DÉPART DANS LES
LONGUES CTO

Proximal Cap Ambigue

Non

Oui

IVUS ponction?

Anterograde // wire

Resultat

Non

Oui

Collaterales +
Zone atterrissage -

Collaterales -
Zone atterrissage +



Retrograde



ADR (BASE)

Proximal Cap Ambigue

Non



Anterograde // wire

Resultat

Non



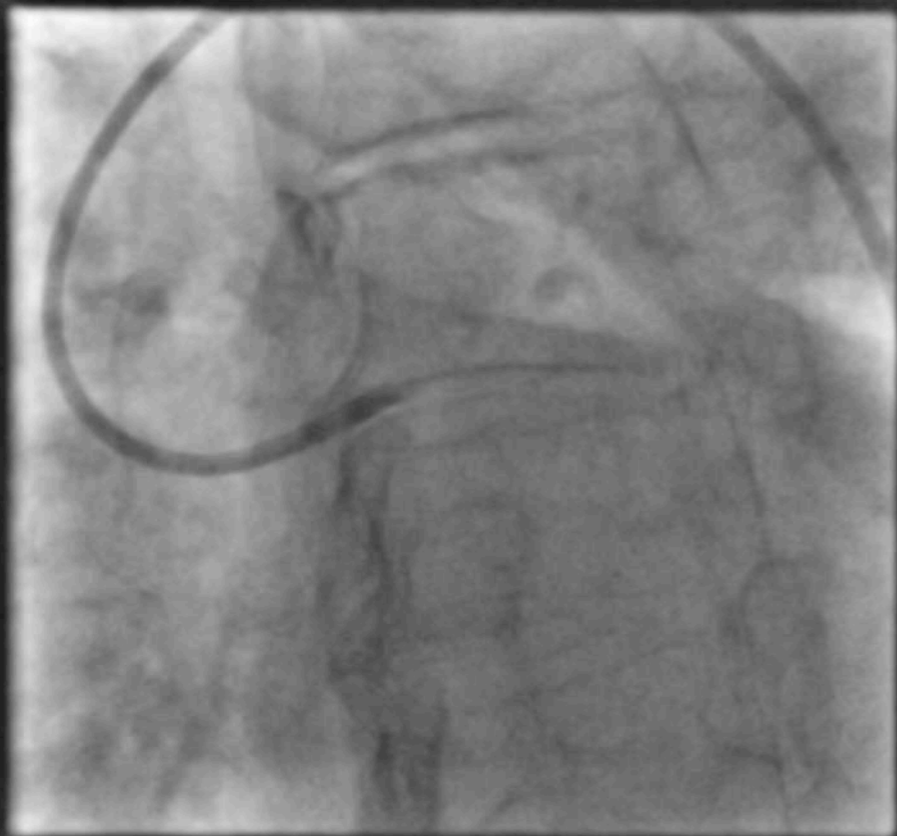
Oui



FRANCHISSEMENT DES OCCLUSIONS LONGUES PAR
VOIE ANTEROGRADE

Taille de l'image : 512 x 512
NF : 90 LF : 169

214216 (74a , 73a)
Card Faible Dose
Coro 7 5 FD



Zoom : 274%
Im : 1/23 Series: 1
LittleEndianExplicit
Position : HFS

Made In Os

Taille de l'image : 512 x 512
NF : 84 LF : 156

214216 (74a , 73a)
Card Faible Dose
Coro 7 5 FD

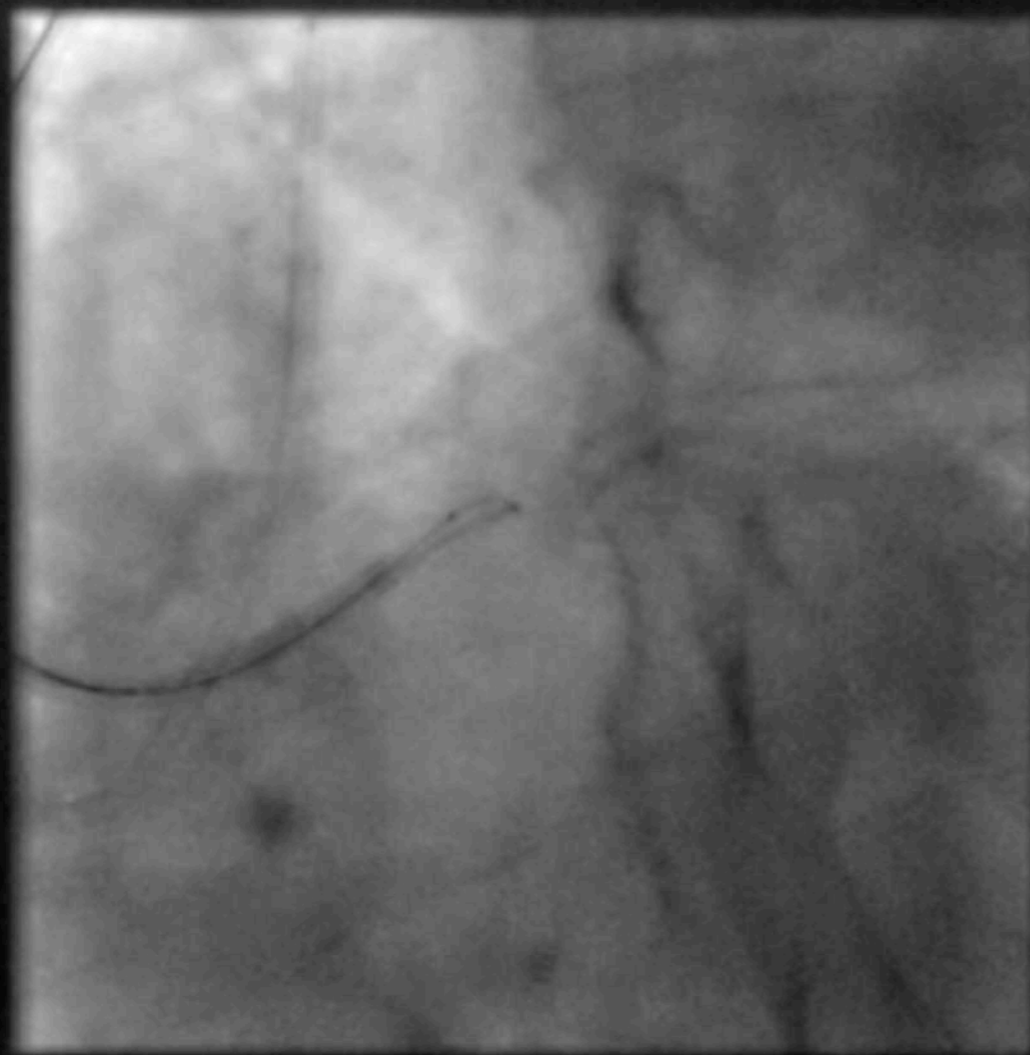


Zoom : 274%
Im : 1/52 Series: 3
LittleEndianExplicit
Position : HFS

Made In OsiriX

Taille de l'image : 512 x 512
NF : 131 LF : 131

214216 (74a , 73a)
Card Faible Dose
Scopie FD (-) CARD



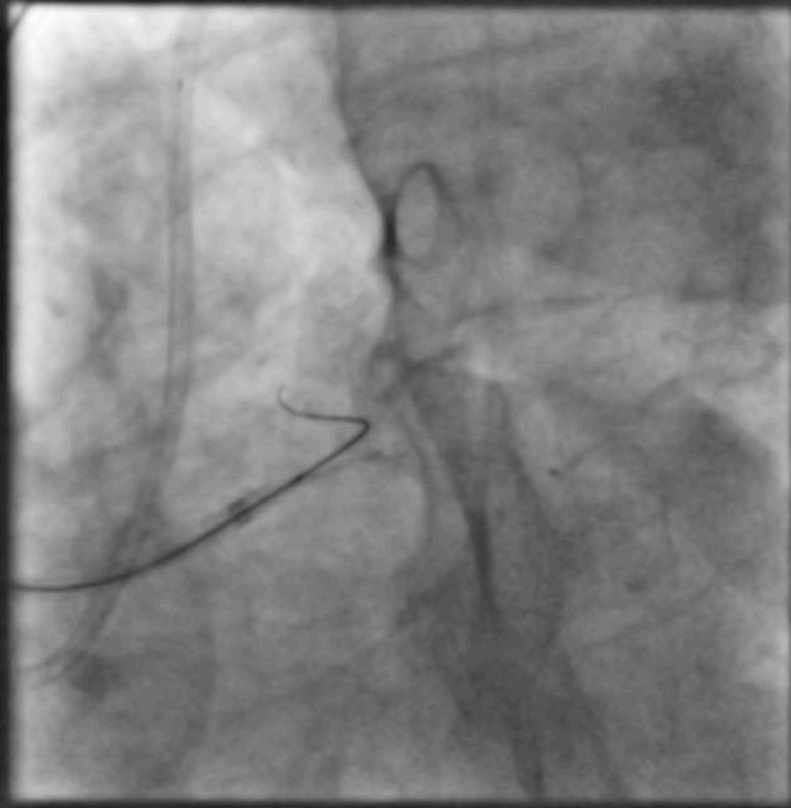
Zoom : 281%
Im : 155/506 Series: 7
LittleEndianExplicit
Position : HFS

Made In OsiriX

IVUS Opticross HD
+
Confianza pro 12

Taille de l'image : 512 x 512
NF : 96 LF : 181

214216 (74a , 73a)
Card Faible Dose
Coro 7 5 FD



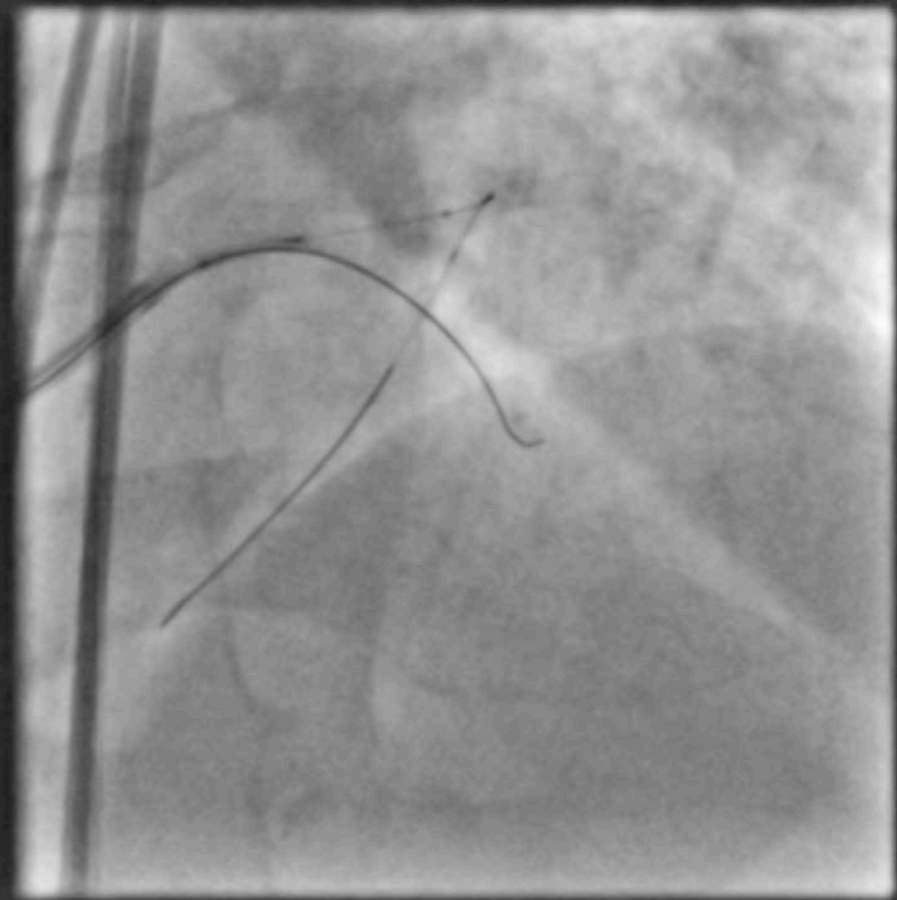
Zoom : 274%
Im : 1/43 Series: 8
LittleEndianExplicit
Position : HFS

Made In OsiriX

Gaia 3

Taille de l'image : 512 x 512
NF : 81 LF : 149

214216 (74a , 73a)
Card Faible Dose
Coro 7 5 FD



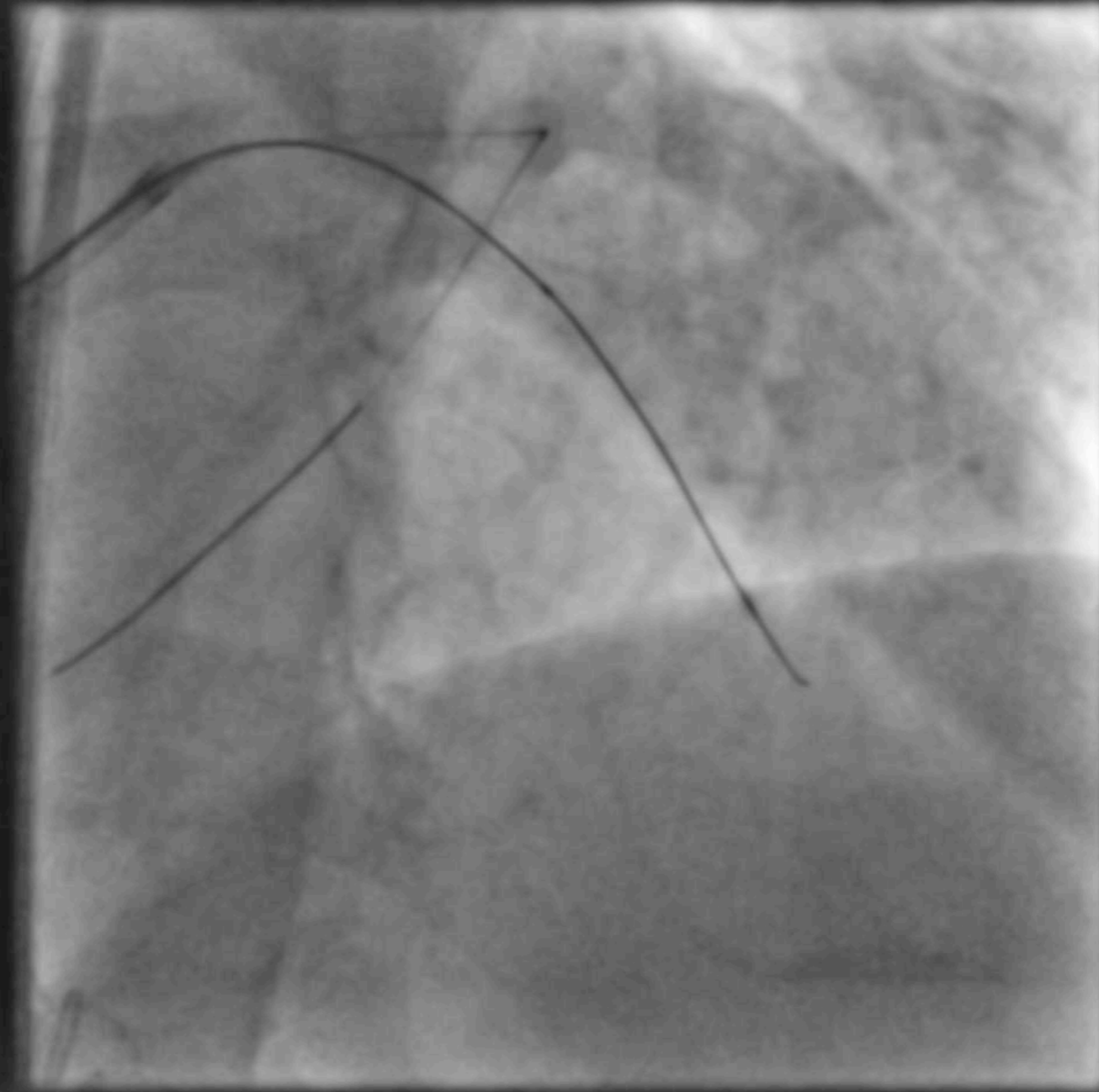
Zoom : 274%
Im : 1/59 Series: 9
LittleEndianExplicit
Position : HFS

Made In OsiriX

Taille de l'image : 512 x 512
NF : 88 LF : 166

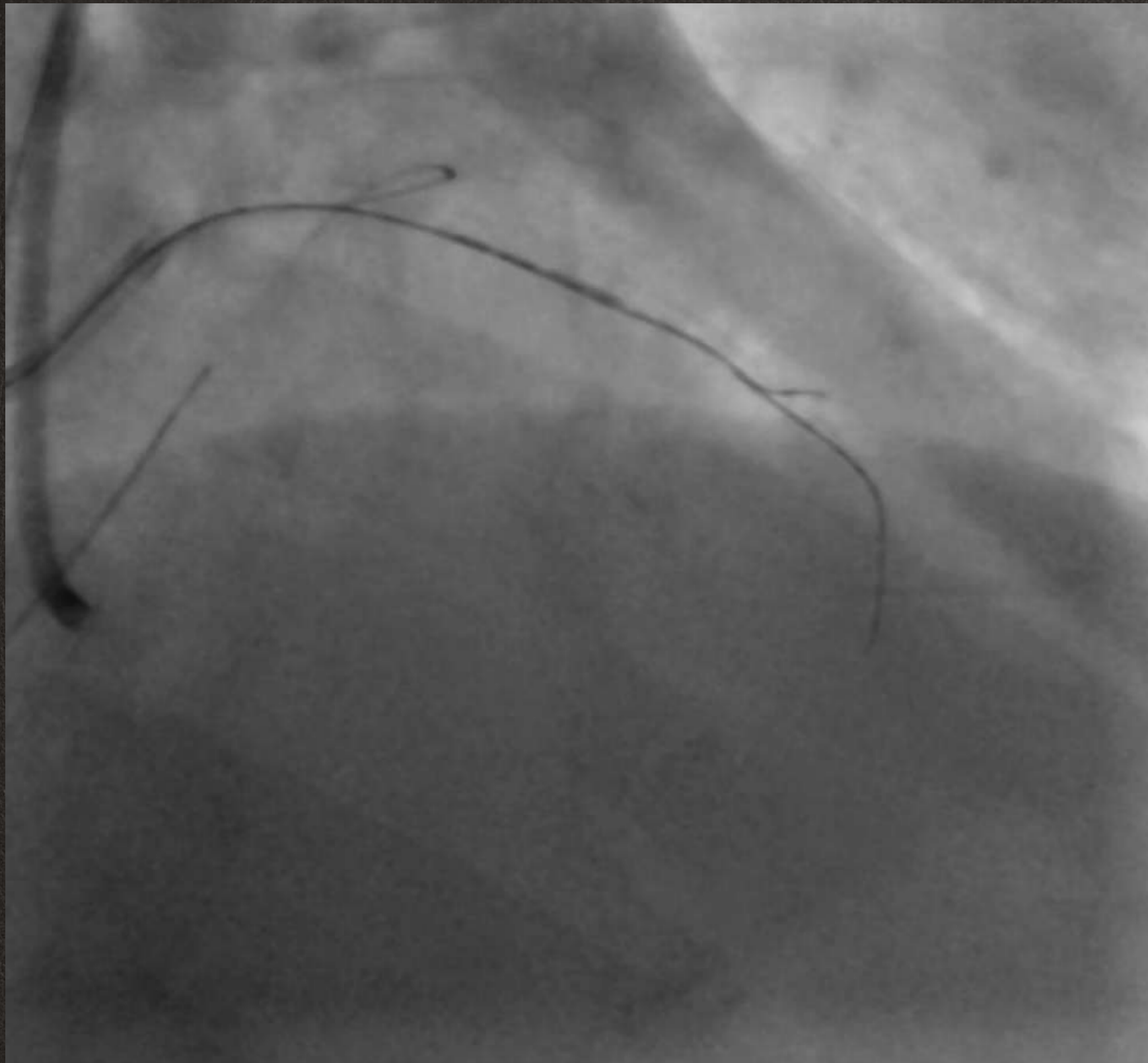
214216 (74a , 73a)
Card Faible Dose
Coro 7 5 FD

Gaia 3



Zoom : 274%
Im : 1/39 Series: 12
LittleEndianExplicit
Position : HFS

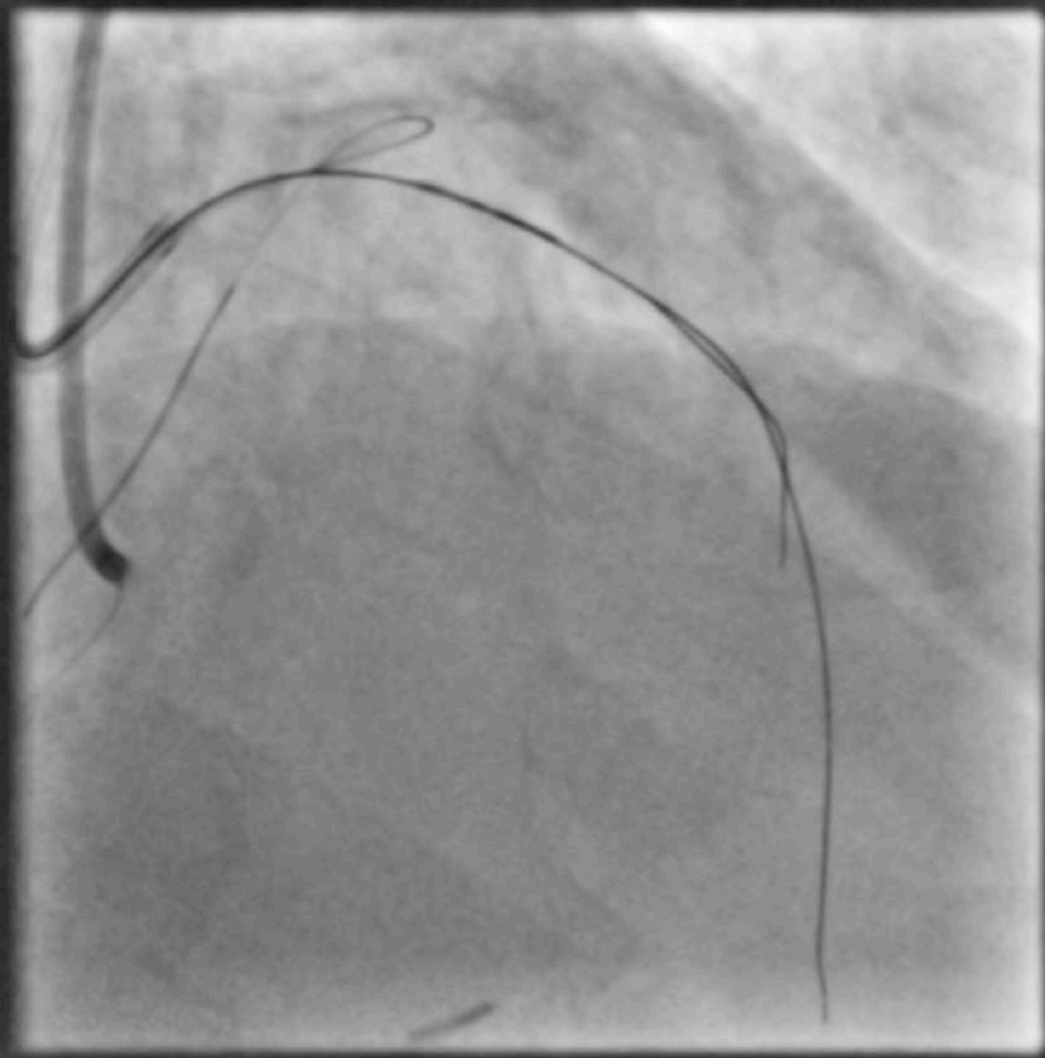
Made In OsiriX



Recross 2e Gaia 3

Taille de l'image : 512 x 512
NF : 86 LF : 157

214216 (74a , 73a)
Card Faible Dose
Coro 7 5 FD



Zoom : 274%
Im : 1/40 Series: 19
LittleEndianExplicit
Position : HFS

M:

Taille de l'image : 512 x 512
NF : 117 LF : 221

214216 (74a , 73a)
Card Faible Dose
Coro 15 FD



Zoom : 274%
Im : 1/57 Series: 45
LittleEndianExplicit
Position : HFS

Made In OsiriX

Proximal Cap Ambigue

Oui

IVUS ponction?

Anterograde // wire

Resultat

Non

Collaterales -
Zone atterrissage +

Retrograde



ADR (BASE)

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

Zoom : 277%
Im : 1/166 Series: 7
LittleEndianExplicit

Ma

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

Zoom : 277%
Im : 1/99 Series: 4
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

Mamba+Hornet 14

Zoom : 277%
Im : 1/93 Series: 10
LittleEndianExplicit



Made In OsiriX

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

Zoom : 277%
Im : 1/192 Series: 13
LittleEndianExplicit



Made In OsiriX

Taille de l'image : 512 x 512
NF : 130 LF : 142

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

Mamba+knuckle XT

Zoom : 277%
Im : 1/225 Series: 20
LittleEndianExplicit

Made In Os

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

Zoom : 277%
Im : 1/61 Series: 22
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 130 LF : 142

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO



Zoom : 277%
Im : 1/225 Series: 23
LittleEndianExplicit

Made In C

Crossboss

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

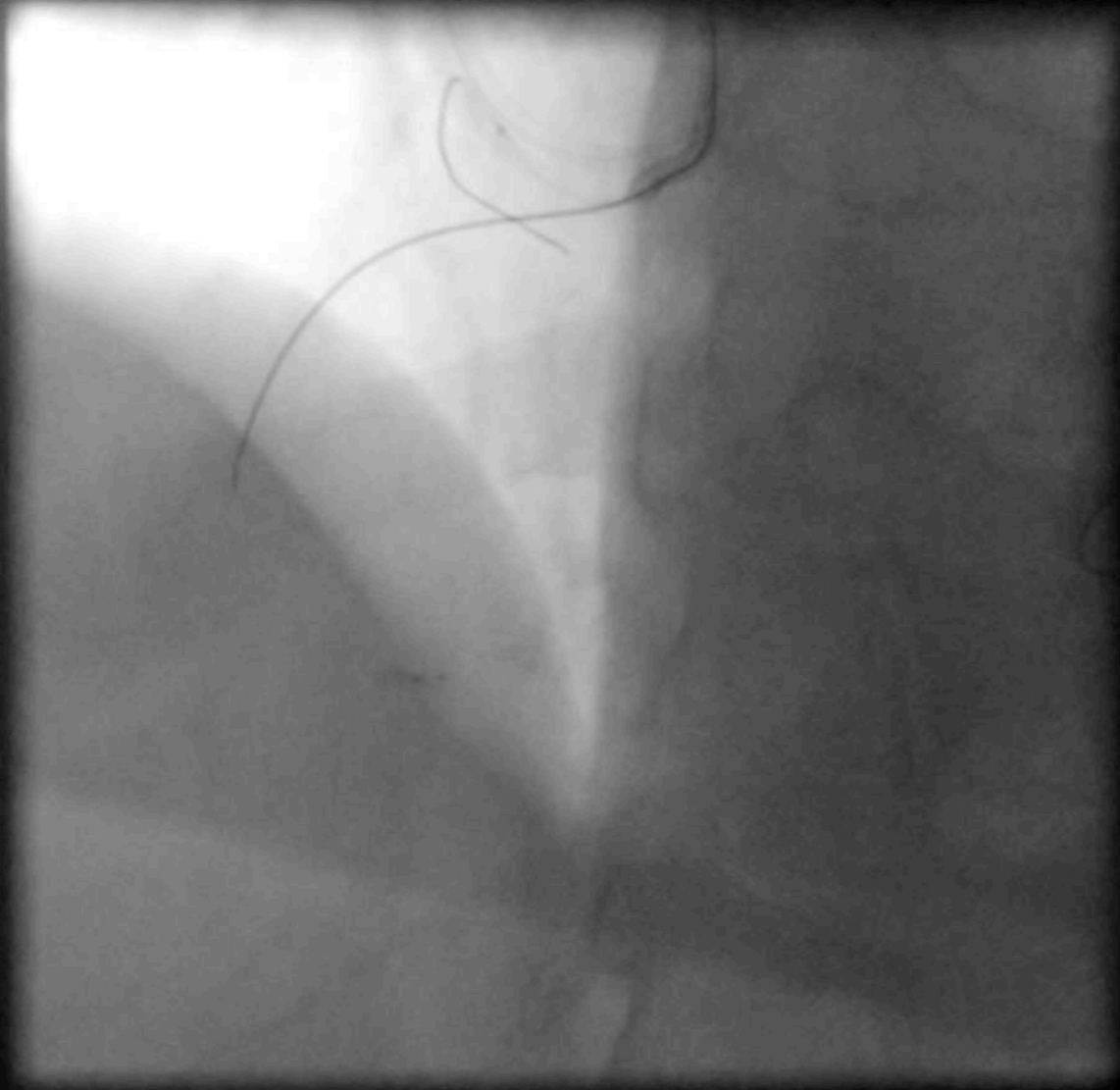


Zoom : 277%
Im : 1/56 Series: 25
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procédure Desc
Coro 7.5i-s_CTO



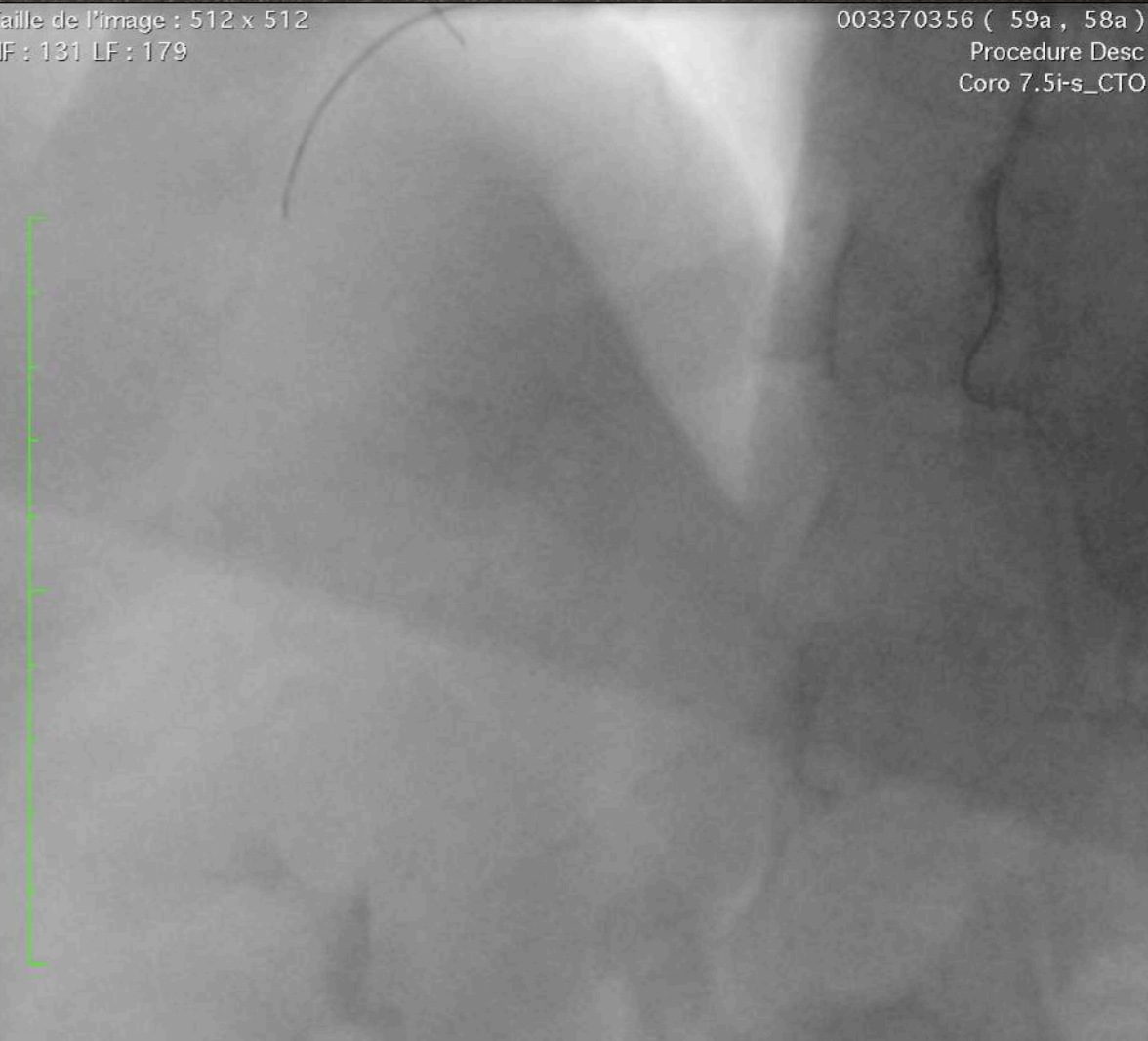
Stingray

Zoom : 277%
Im : 1/17 Series: 27
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procédure Desc
Coro 7.5i-s_CTO



Zoom : 277%
Im : 1/63 Series: 29
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO

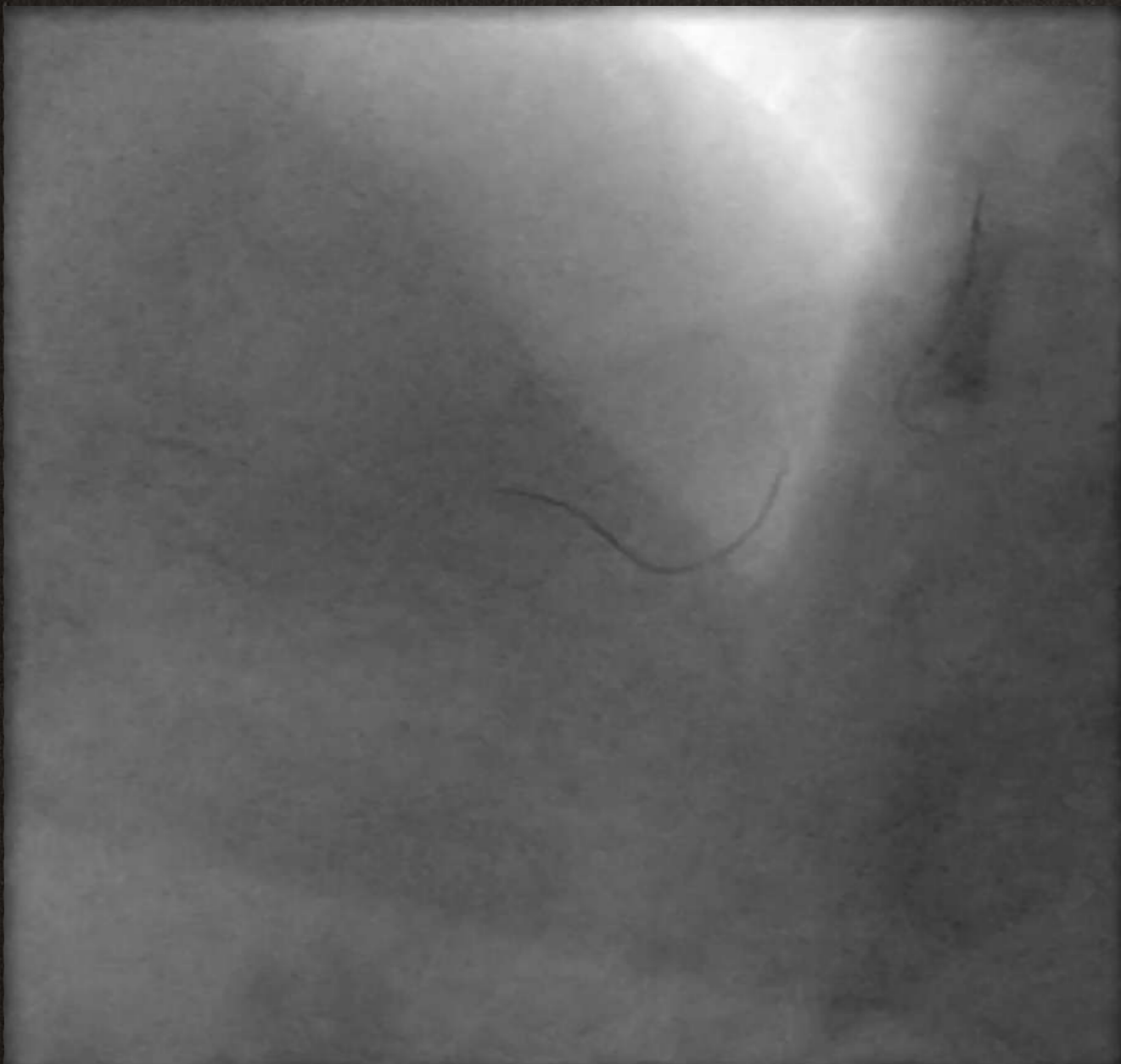


SR+Hornet 14

Zoom : 288%
Im : 1/57 Series: 31
LittleEndianExplicit

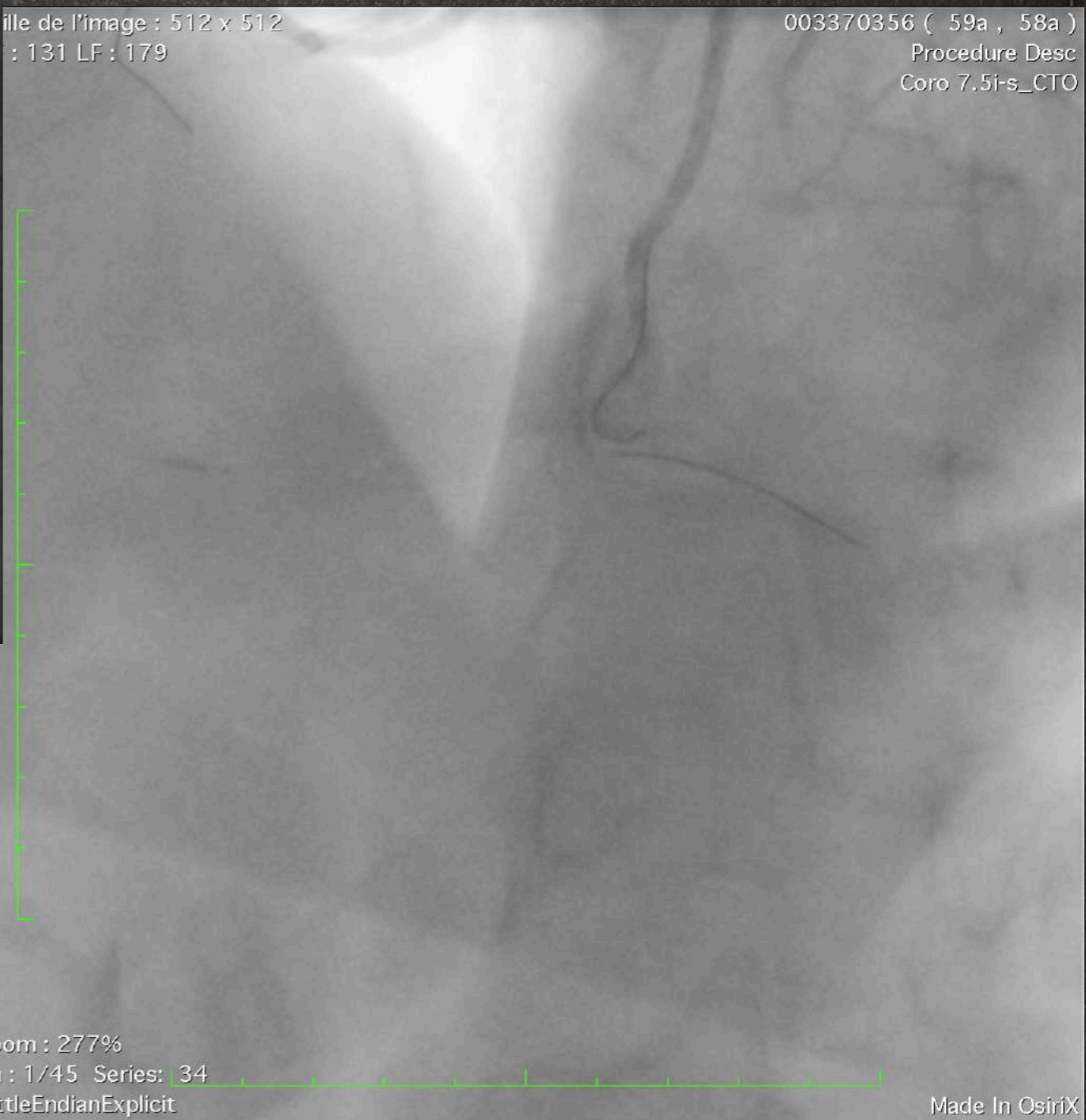
Made In OsiriX

SR+Gladius EX



taille de l'image : 512 x 512
: 131 LF : 179

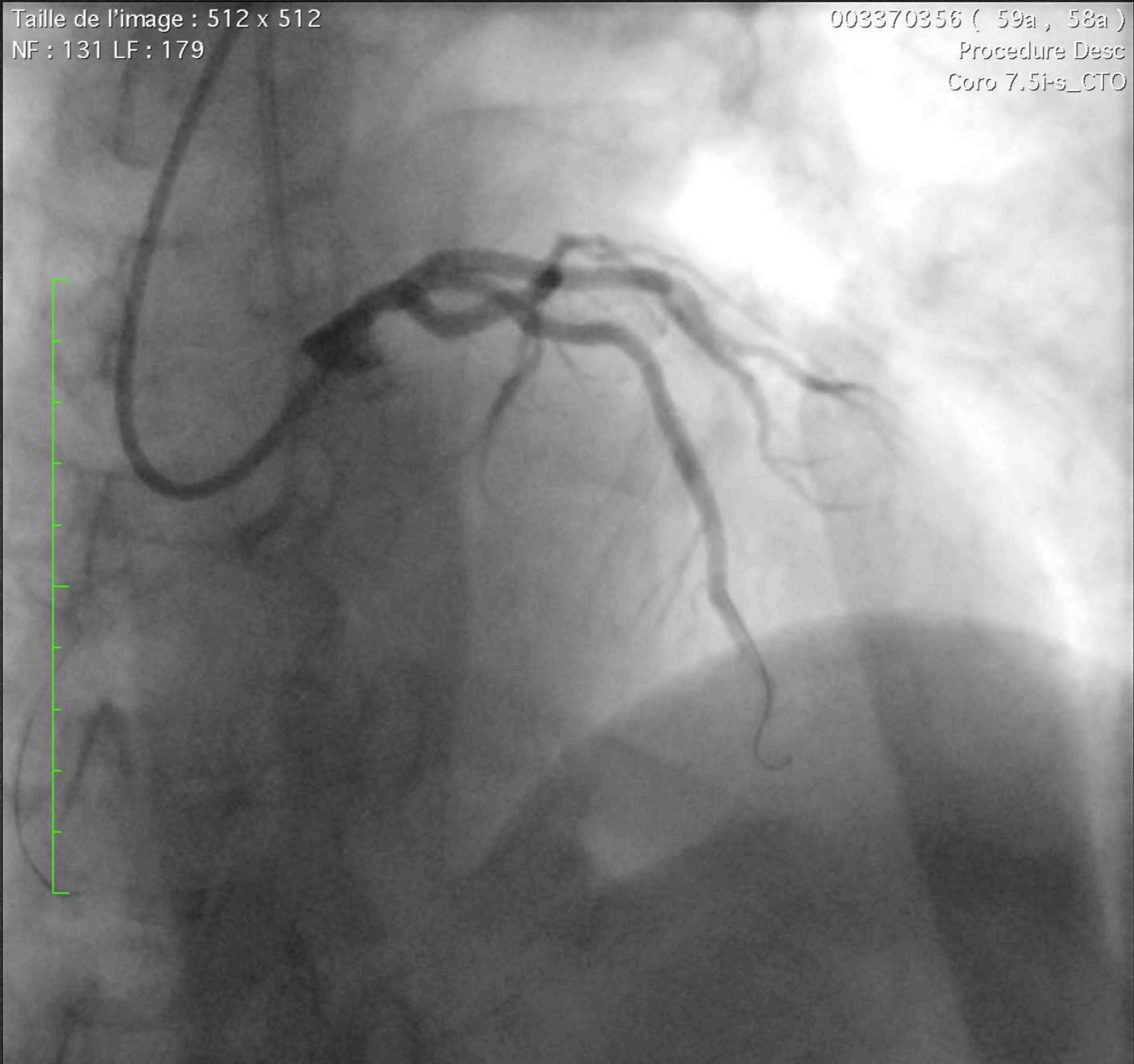
003370356 (59a , 58a)
Procedure Desc
Coro 7.5f-s_CTO



Zoom : 277%
Im : 1/45 Series: 34
LittleEndianExplicit

Taille de l'image : 512 x 512
NF : 131 LF : 179

003370356 (59a , 58a)
Procedure Desc
Coro 7.5i-s_CTO



Zoom : 277%
Im : 1/53 Series: 52
LittleEndianExplicit

Made In OsiriX

Proximal Cap Ambigue

Oui

IVUS ponction?

Anterograde // wire

Resultat

Non

Collaterales +
Zone atterrissage -

Retrograde

ADR (BASE)



Taille de l'image : 508 x 508
NF : 2048 LF : 4096

8010148187 (78a , 77a)
Cto
Cardio Scopie 7 5i-s Corpulent

Zoom : 278%
Im : 1/57 Series: 1
LittleEndianExplicit

Made In Os

Taille de l'image : 508 x 508
NF : 2048 LF : 4096

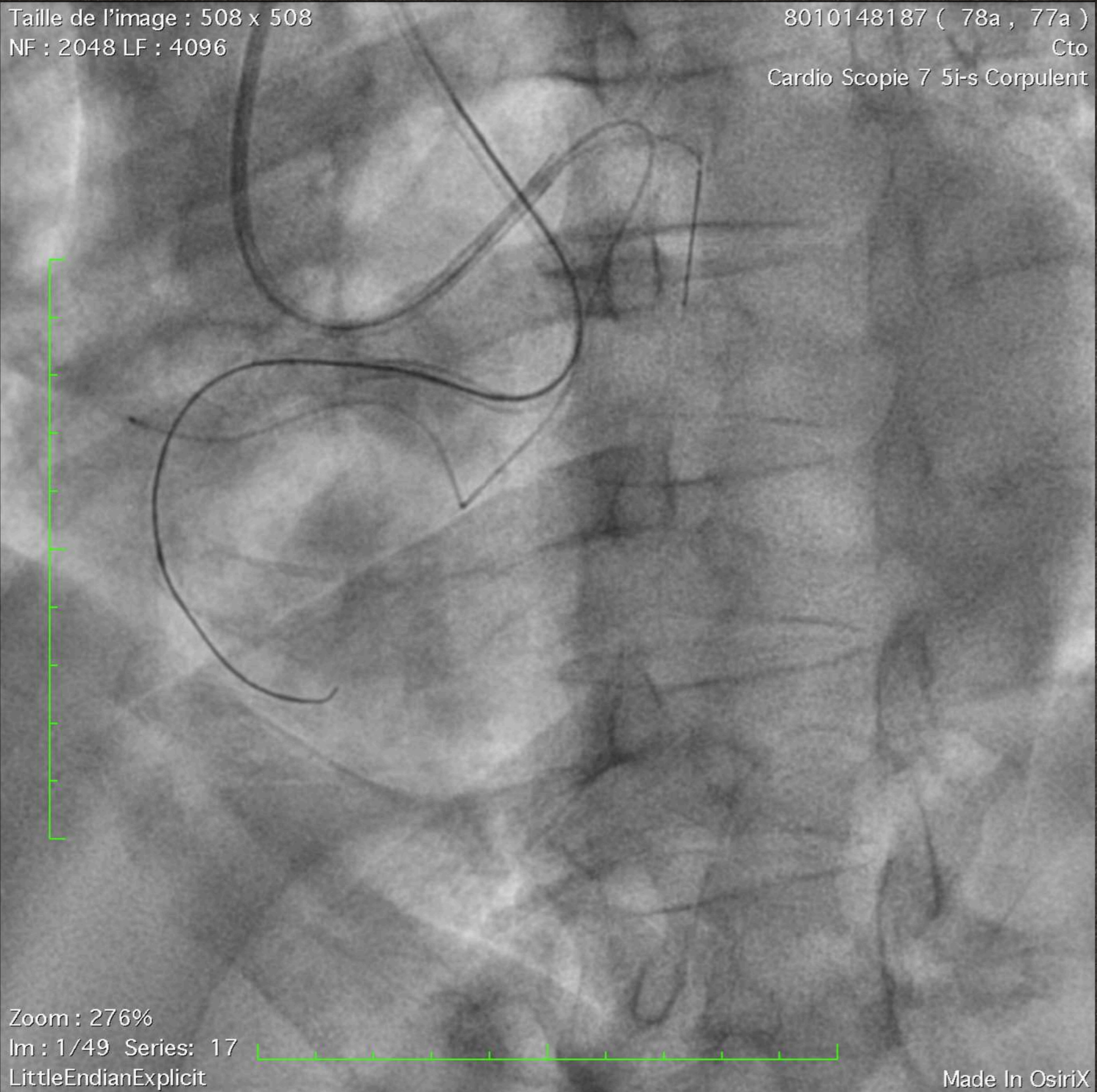
8010148187 (78a , 77a)
Cto
Cardio Scopie 7 5i-s Corpulent

Zoom : 276%
Im : 1/38 Series: 2
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 508 x 508
NF : 2048 LF : 4096

8010148187 (78a , 77a)
Cto
Cardio Scopie 7 5i-s Corpulent



Mamba vert
+
Gaia 3

Zoom : 276%
Im : 1/49 Series: 17
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 508 x 508
NF : 2048 LF : 4096

8010148187 (78a , 77a)
Cto
Cardio Scopie 7 5i-s Corpulent



Zoom : 276%
Im : 1/28 Series: 19
LittleEndianExplicit

Made In OsiriX

Mamba noir + Sion black

Taille de l'image : 512 x 512
NF : 2048 LF : 4096

8010148187 (78a , 77a)
Cto
Cardio Scopie 7 5i-s Corpulent

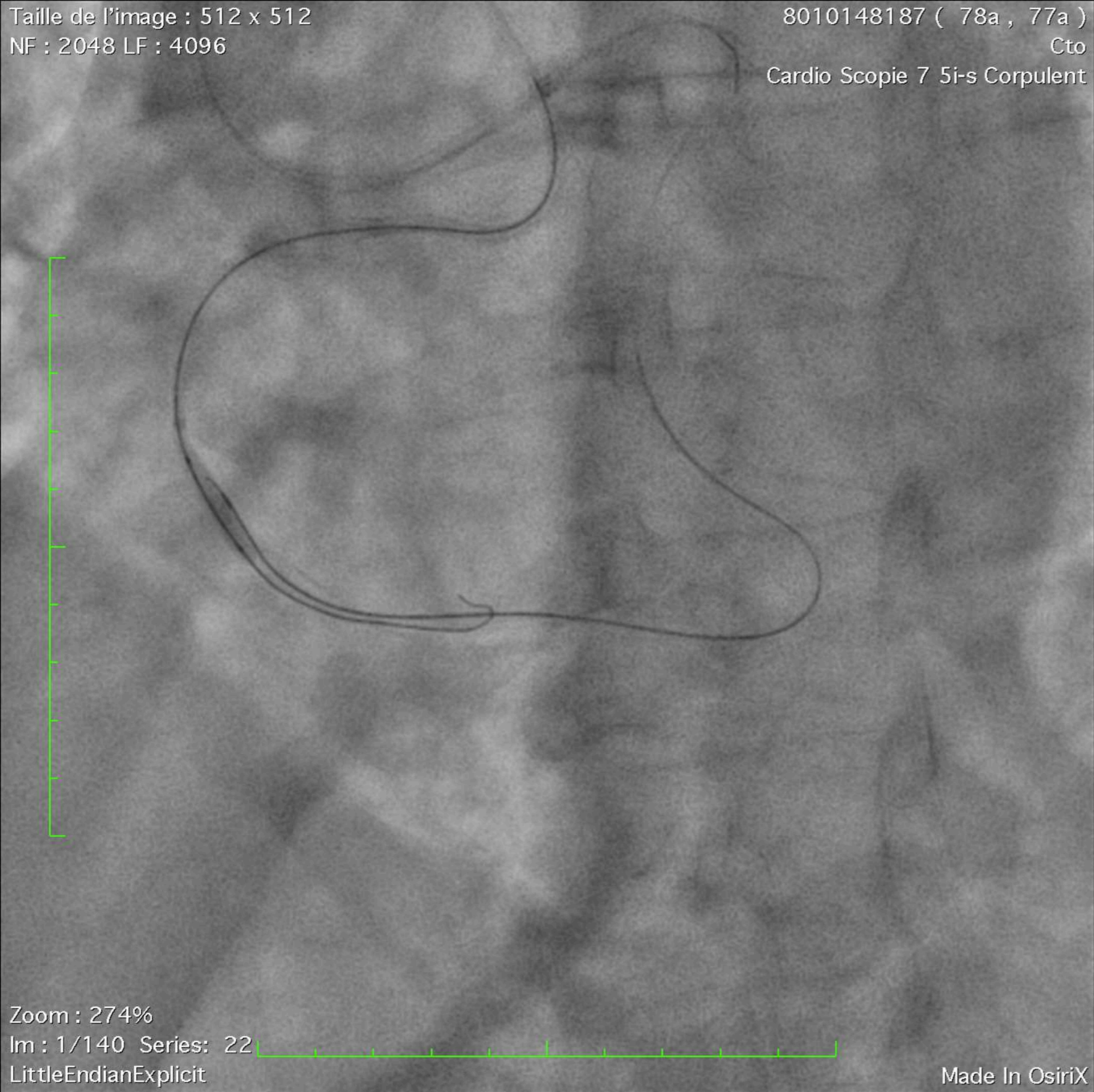


Zoom : 274%
Im : 1/217 Series: 20
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 2048 LF : 4096

8010148187 (78a , 77a)
Cto
Cardio Scopie 7 5i-s Corpulent



Guidezilla aidant
le Reverse cart
Ballon 2.5
Gaia 3

Zoom : 274%
Im : 1/140 Series: 22
LittleEndianExplicit

Made In OsiriX

Taille de l'image : 512 x 512
NF : 2048 LF : 4096

8010148187 (78a , 77a)

Cto

Cardio Scopie 7 5i-s

Zoom : 274%
Im : 1/35 Series: 43
LittleEndianExplicit

Made In OsiriX

STRATEGIES DE DEPART

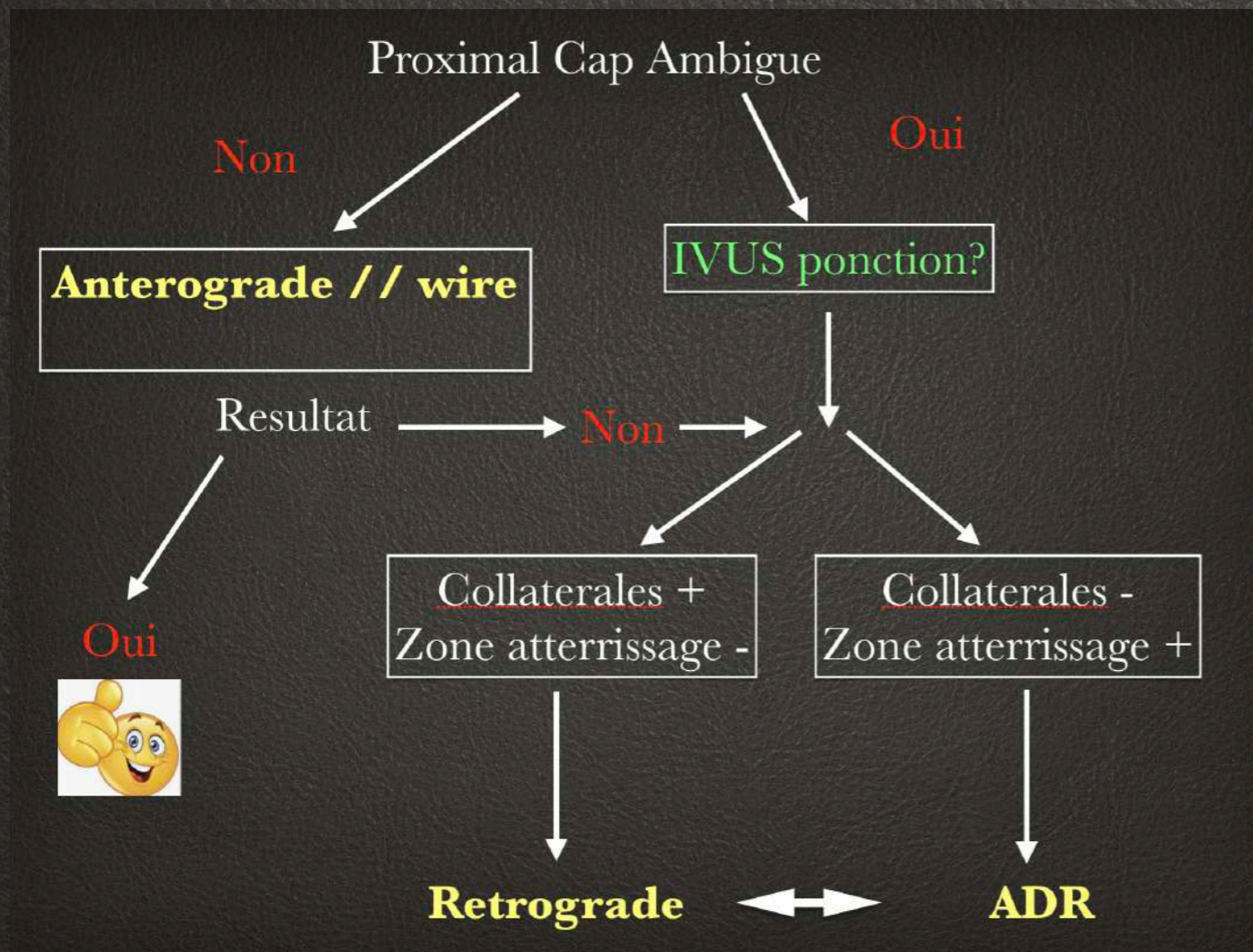
ANTEROGRADE	ADR	RETROGRADE
71 %	6 %	23 %

STRATEGIES DU SUCCES FINAL

ANTEROGRADE	ADR	RETROGRADE
42 %	19 %	39 %

CONCLUSION

La longueur de la CTO n'est plus un facteur prédictif d'échec
Amélioration des devices (Guides, Microcatheters)
Amélioration des stratégies



Merci



QUESTION TIME!

OU

www.slido.com

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