

29^{ÈME}
CONGRÈS
CNCH



L'OCT, un outil incontournable de l'angioplastie en 2023

Introductions à la technique de l'OCT et à l'imagerie intravasculaire

Nicolas Amabile,
Service de Cardiologie, IMM, Paris



DÉCLARATION DE LIENS D'INTÉRÊT POTENTIELS

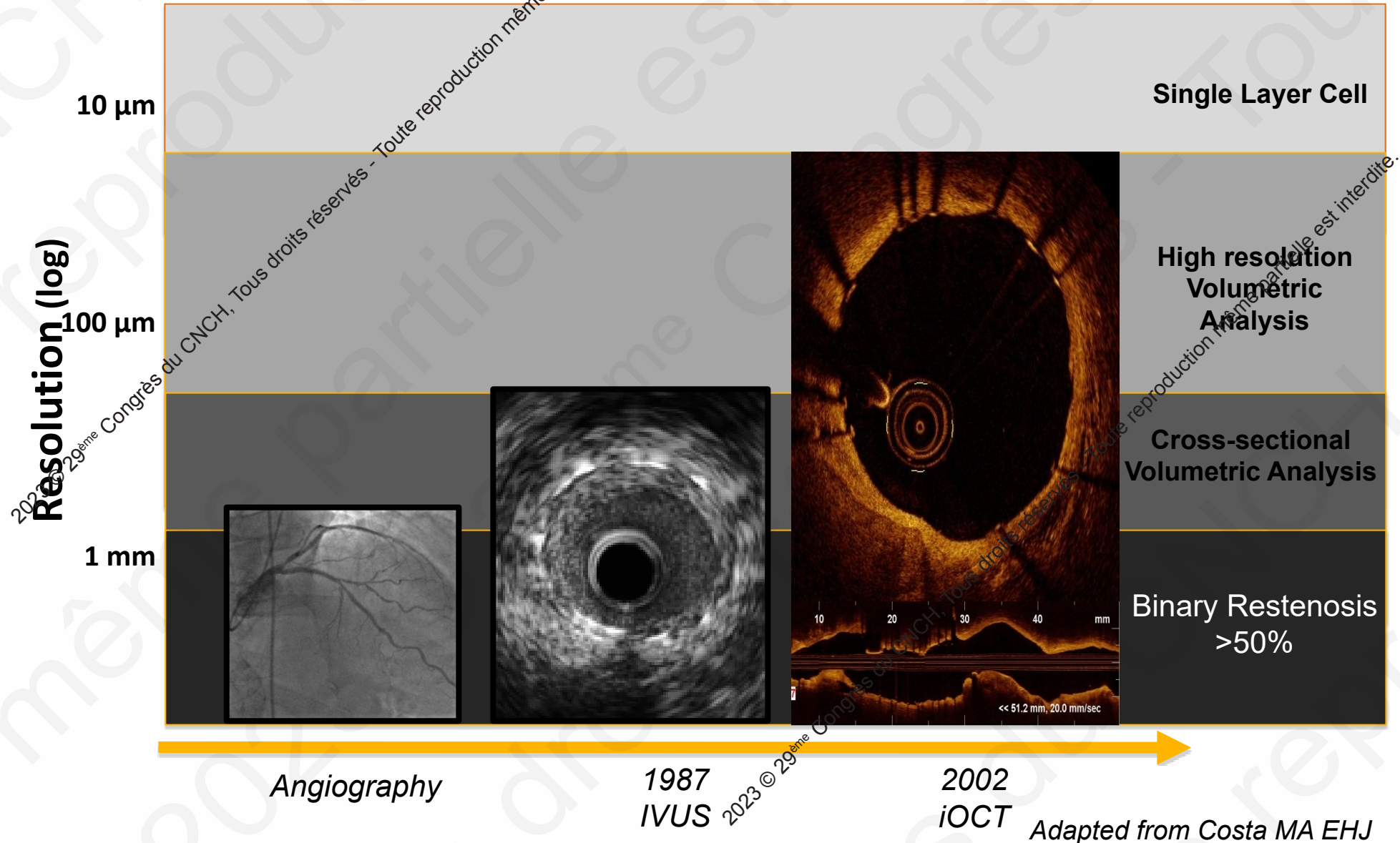
Intervenant : Nicolas AMABILE, Paris

Je déclare les liens d'intérêt potentiel suivants :

Bourses de Recherche : Abbott

Consultant : Abbott, BOSTON SCIENTIFIC, SHOCKWAVE

Evolution of Invasive Imaging



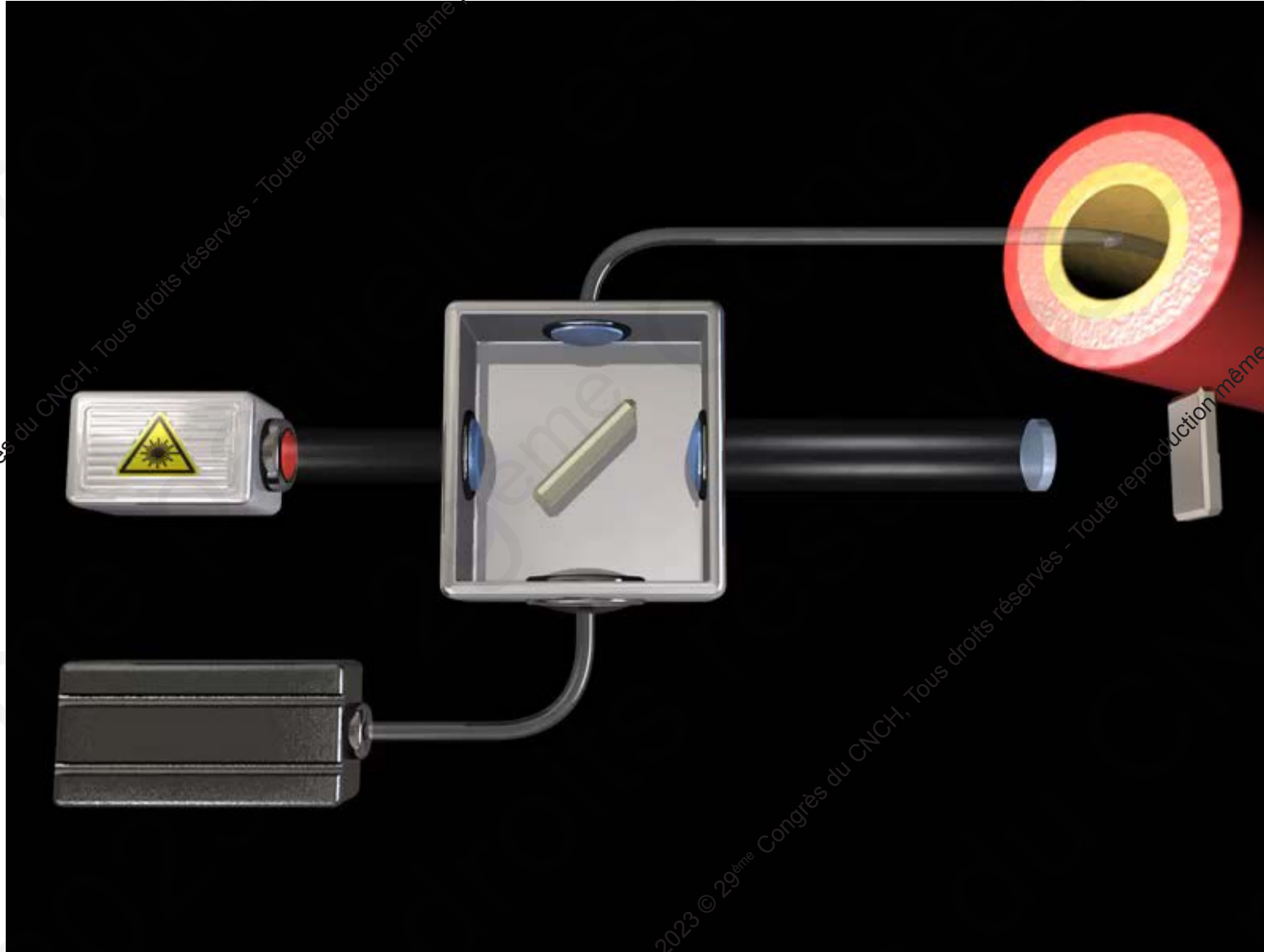
FD-OCT *in vivo*



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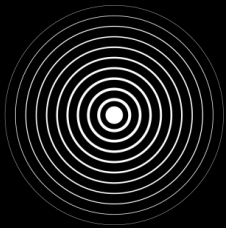
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How does it work?



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VIP CLUB

Vascular Imaging
& Physiology Club

Laser Source



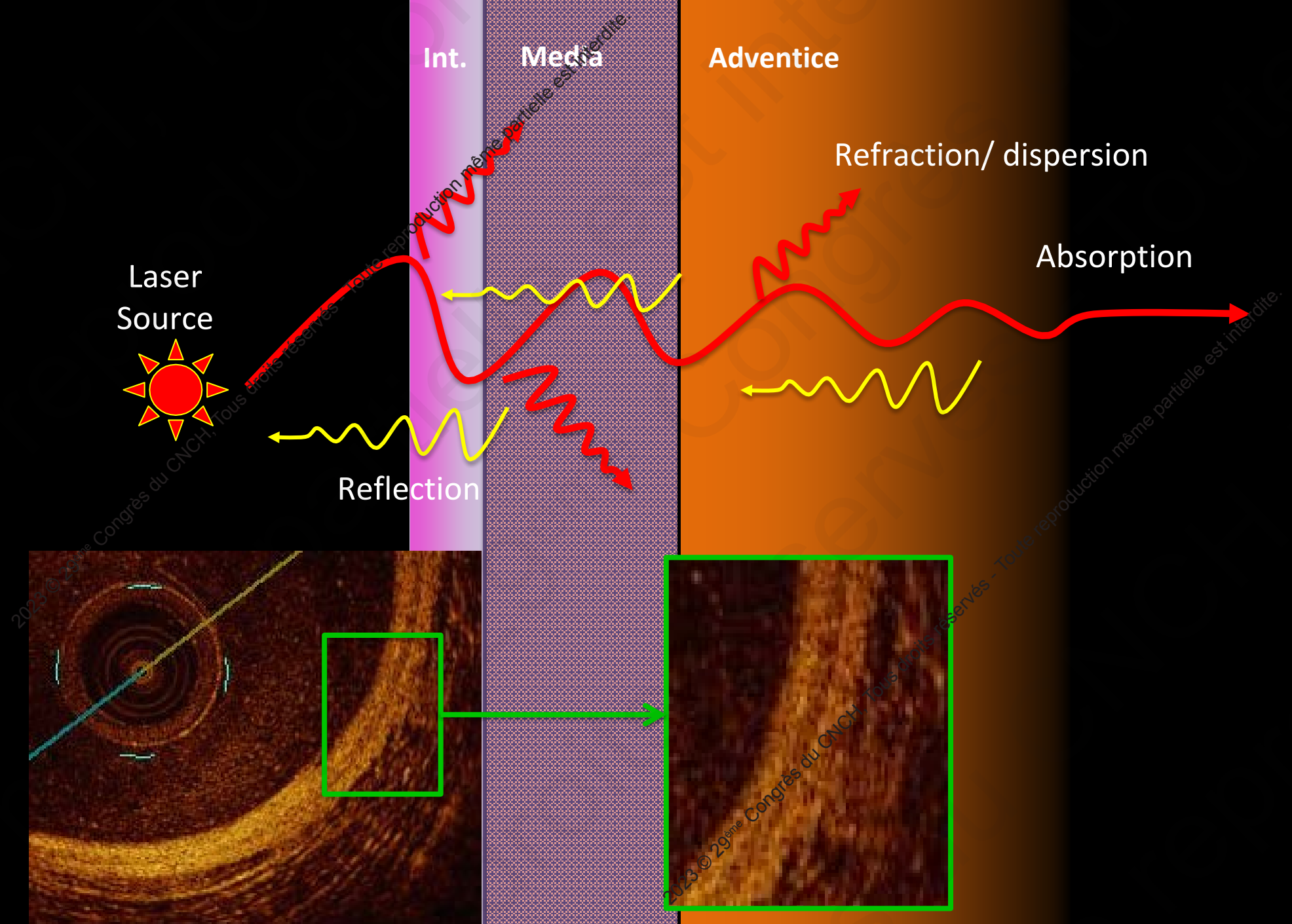
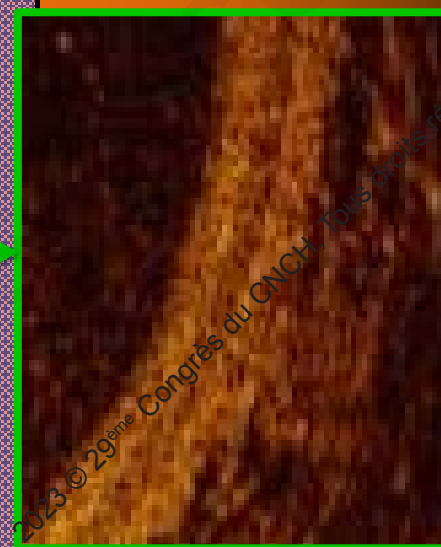
Int. Media

Adventice

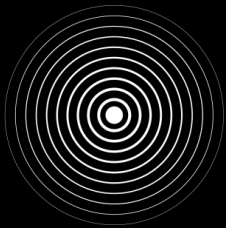
Refraction/ dispersion

Absorption

Reflection

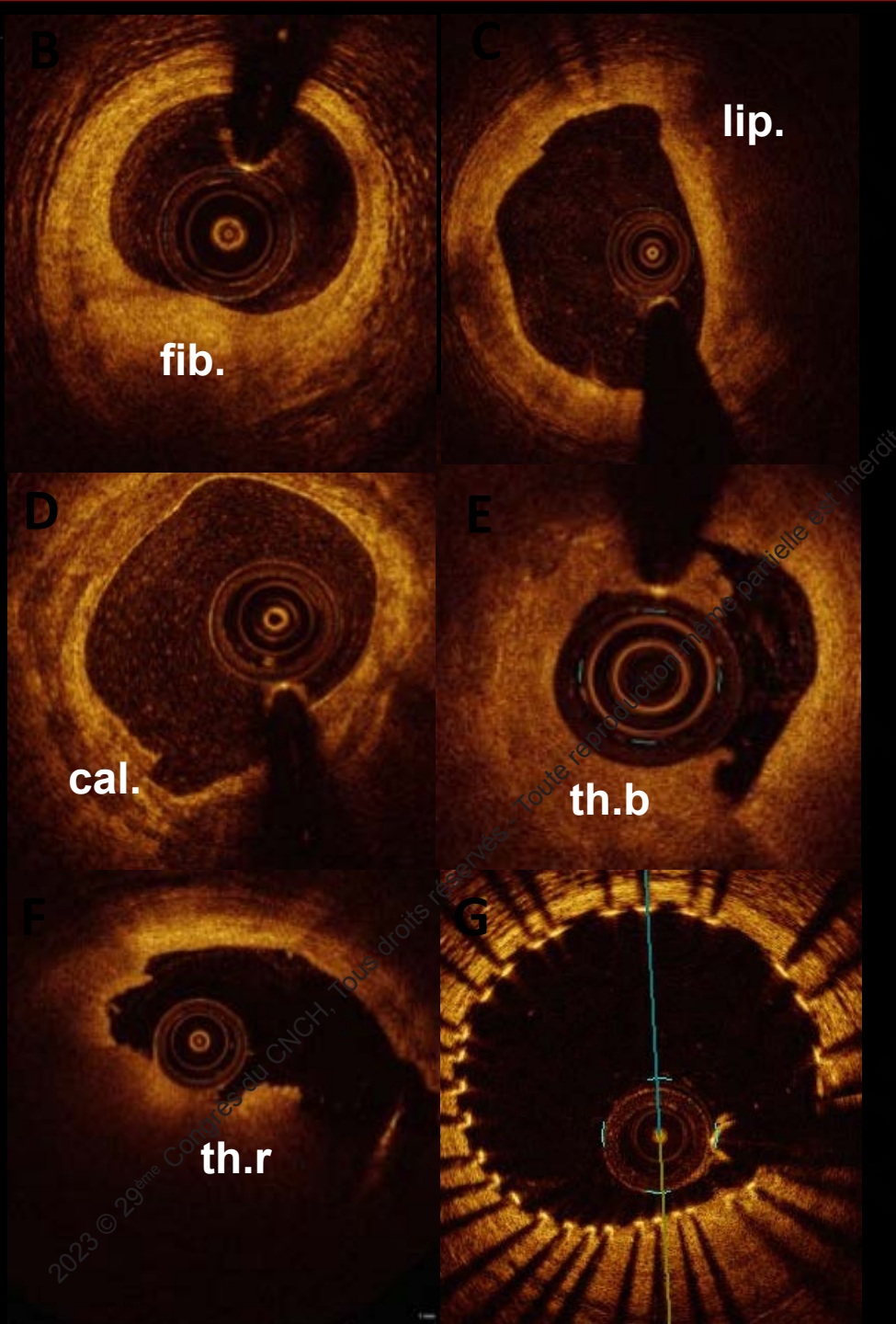
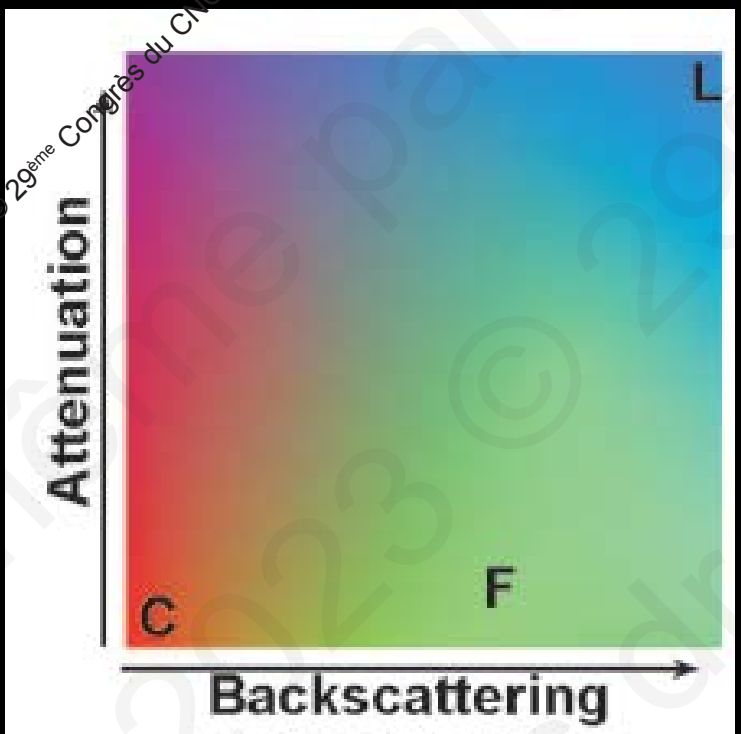
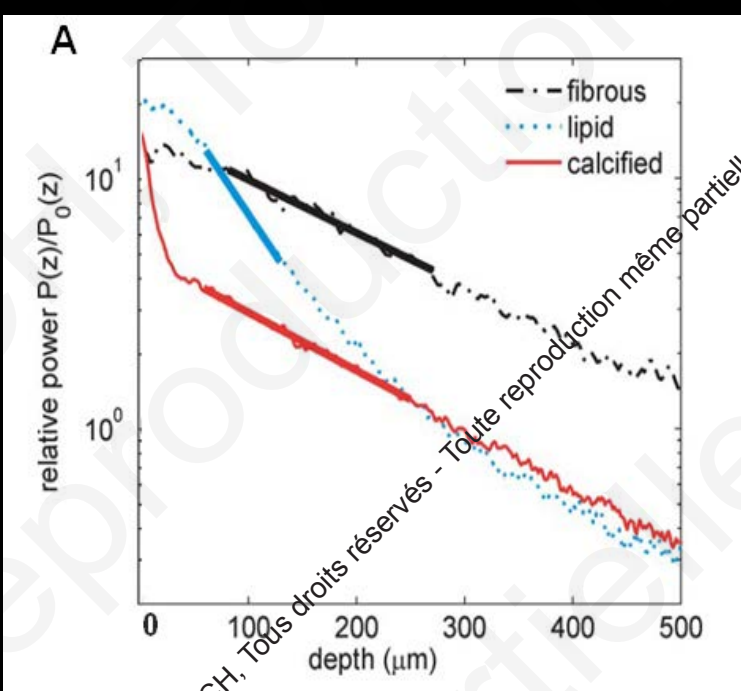


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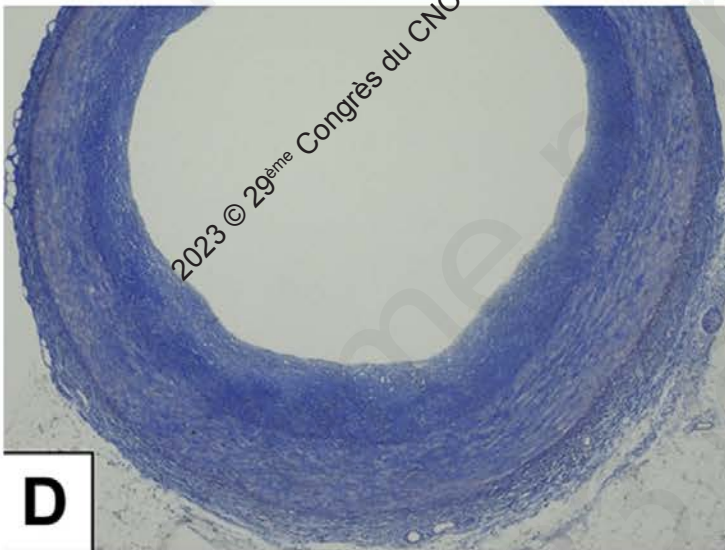
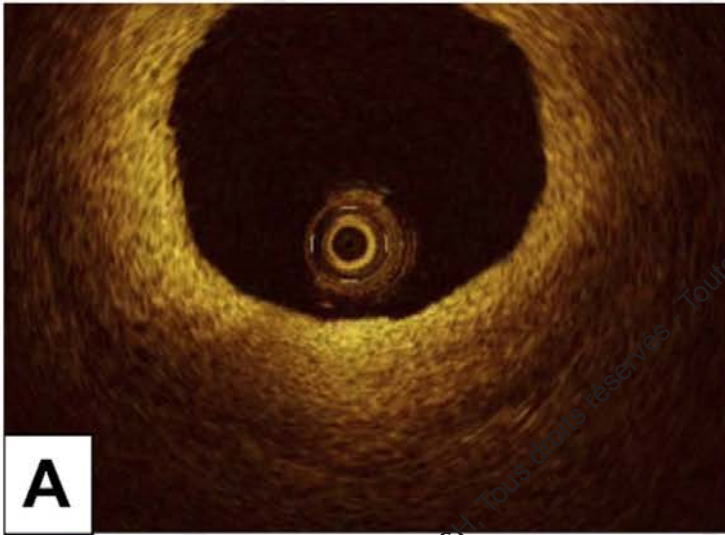


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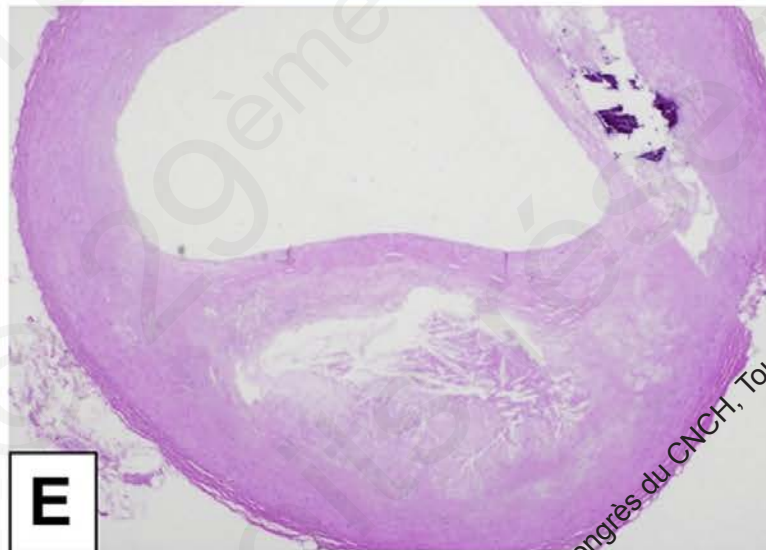
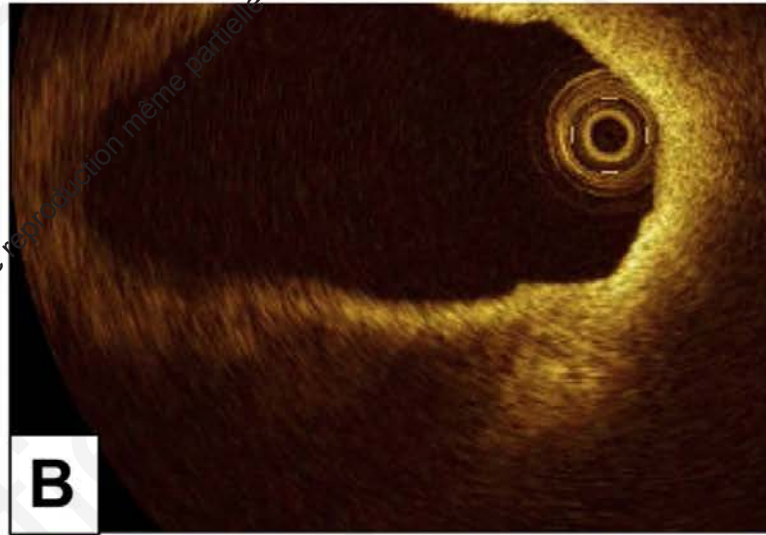
Vascular Imaging
& Physiology Club



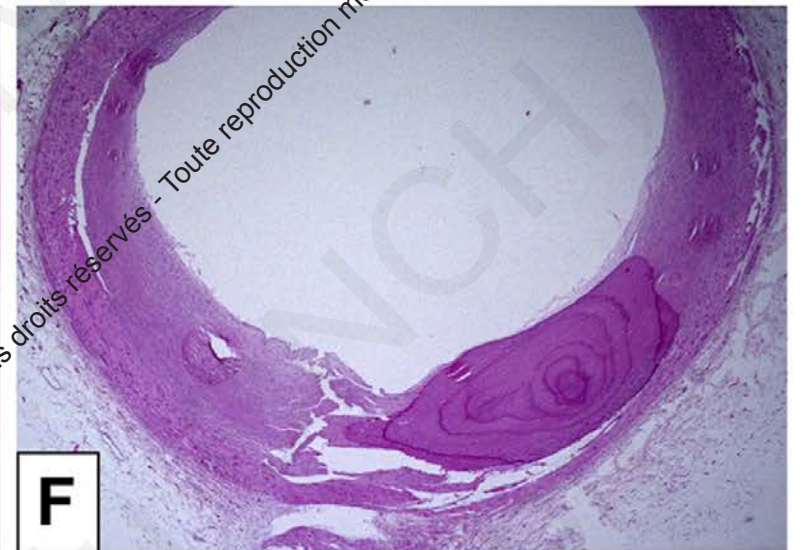
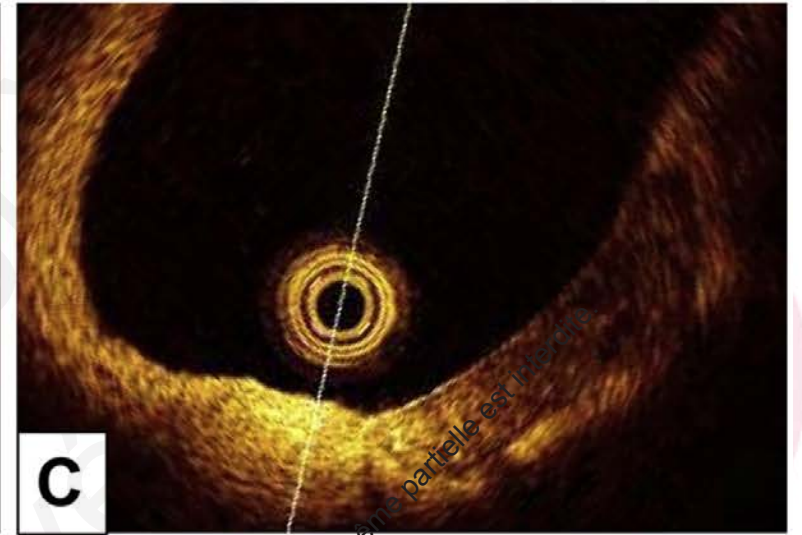
Fibrotic plaque



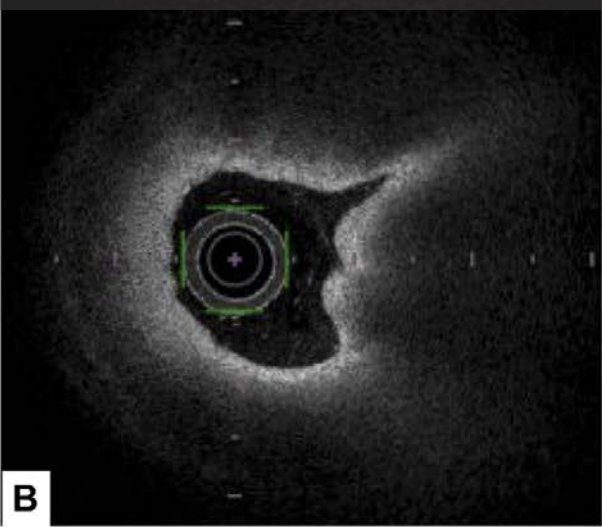
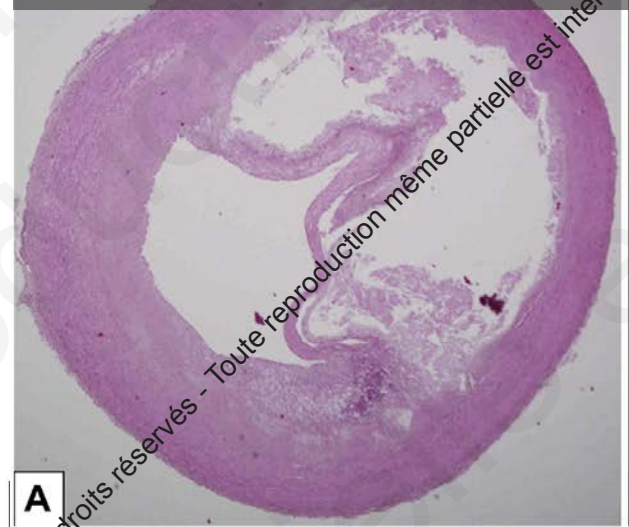
Lipidic plaque



Calcified plaque



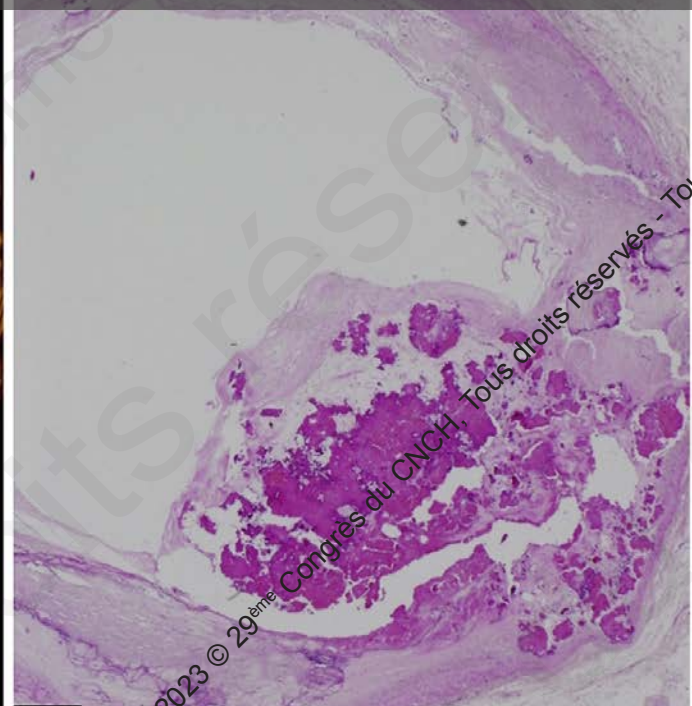
Thin Cap Fibrous Atheroma



A

B

Calcified Nodule



A

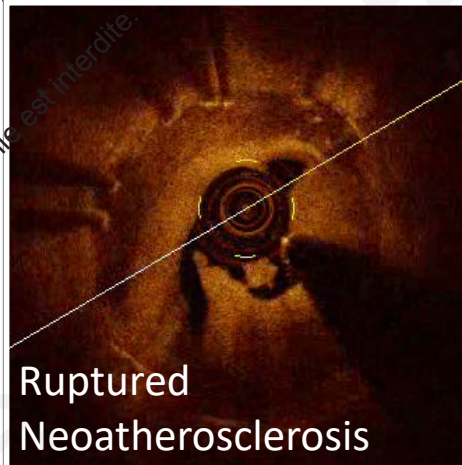
B

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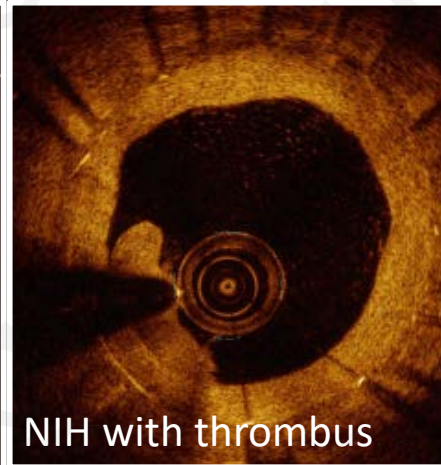
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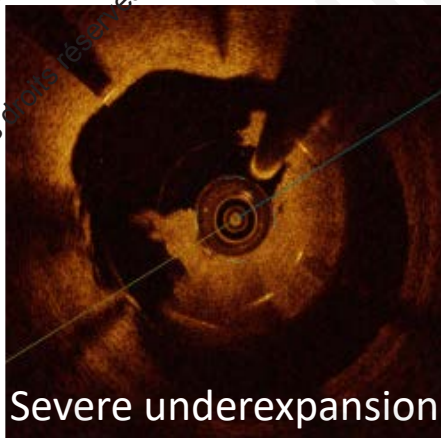
Malapposition



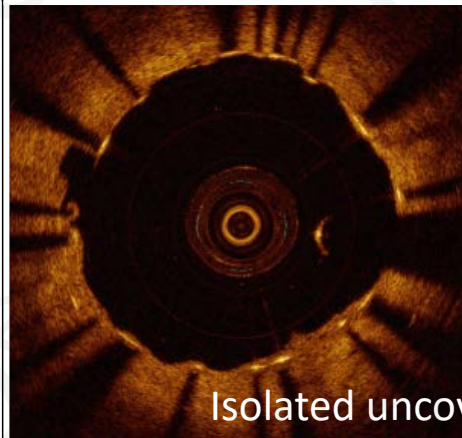
Ruptured
Neoatherosclerosis



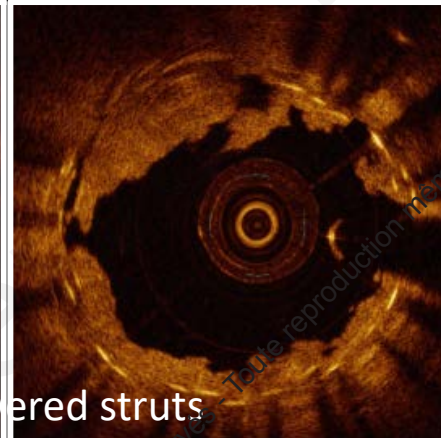
NIH with thrombus



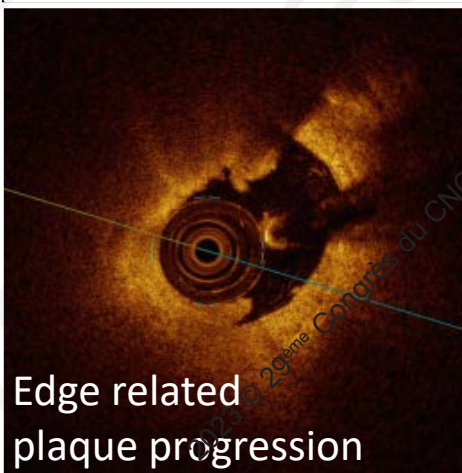
Severe underexpansion



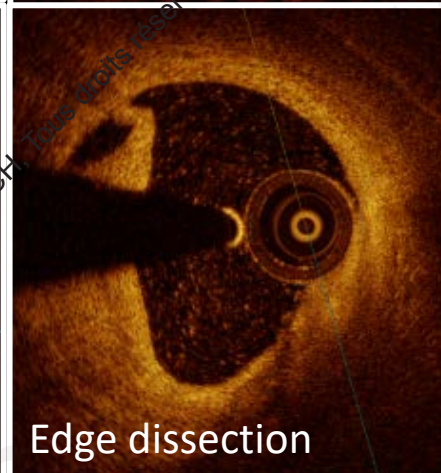
Isolated uncovered struts



Coronary evaginations



Edge related
plaque progression



Edge dissection



Conclusion

- **OCT : la technique d'imagerie endocoronaire avec la meilleure résolution actuelle**
- **Possibilité d'analyse fine de l'histologie des lésions**
- **Possibilité d'analyse de la structure des stents**
- **Outil idéal pour compléter l'angiographie coronaire**

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