

Use of Intravascular Imaging For Treatment of In-Stent Restenosis

Fernando Alfonso MD, PhD, FESC

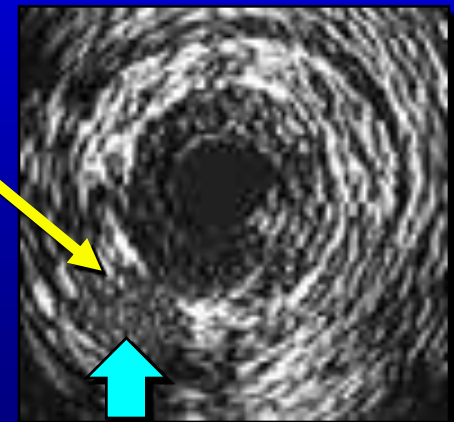
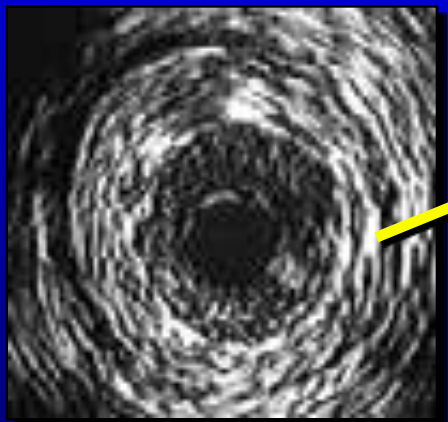
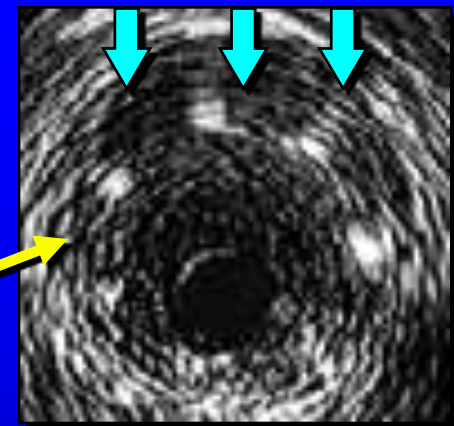
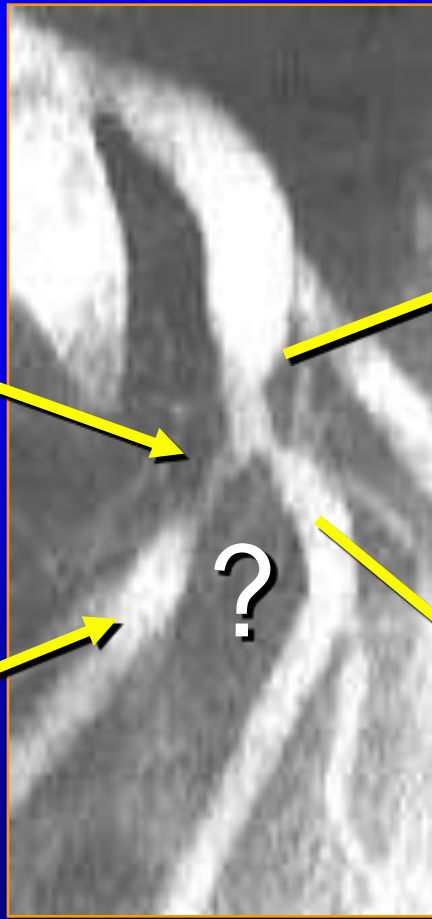
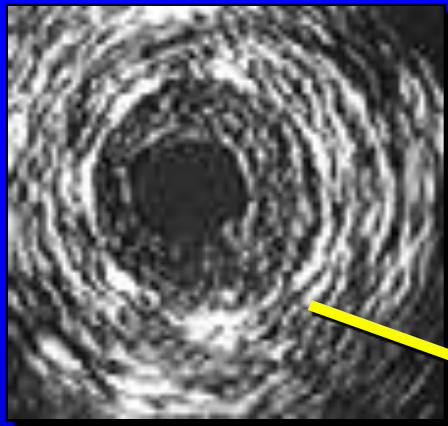
**Cardiac Department.
Hospital Universitario de La Princesa.
Insitute de Investigación Sanitaria IIS-IP
Universidad Autónoma de Madrid.
Madrid. Spain.**

December 5-6, 2014

Grand Intercontinental Seoul Parnas, Seoul, Korea

Intravascular Ultrasound

Assessment of In-ST Restenosis



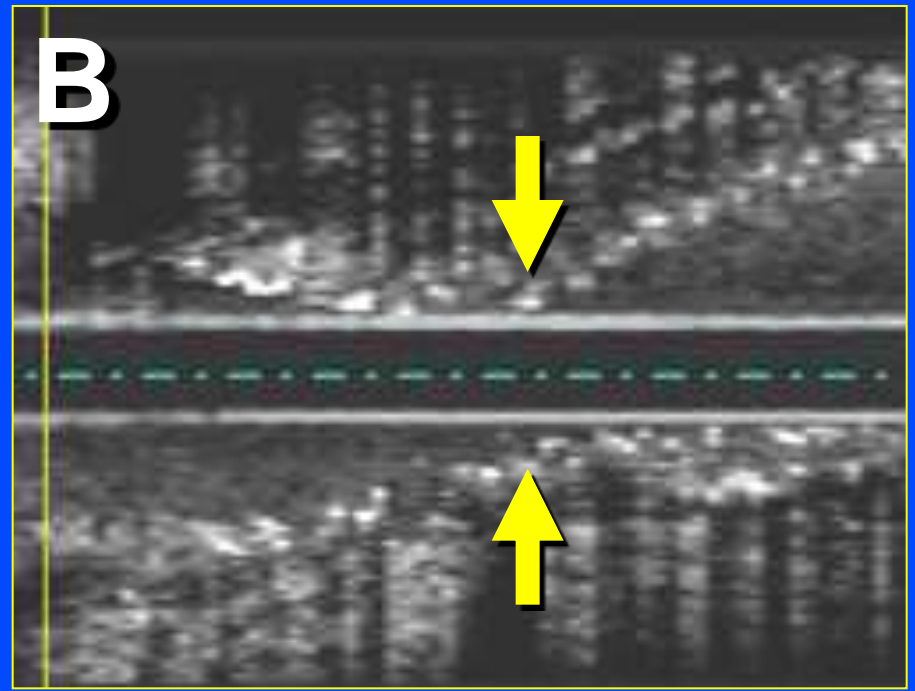
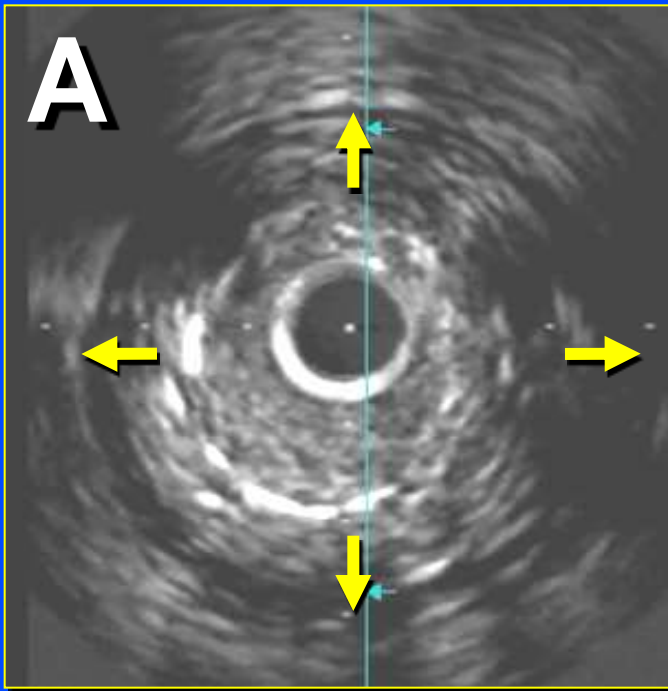
RIBS: 214

BD: 5338

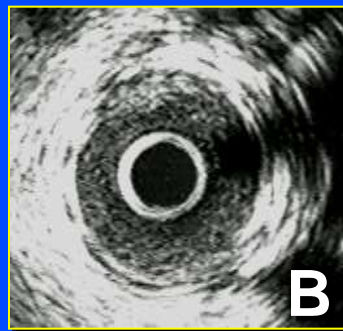
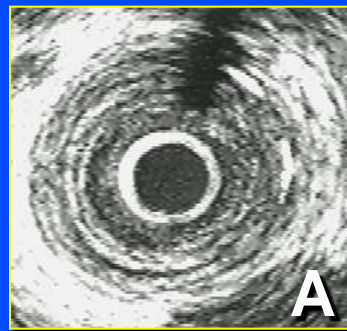
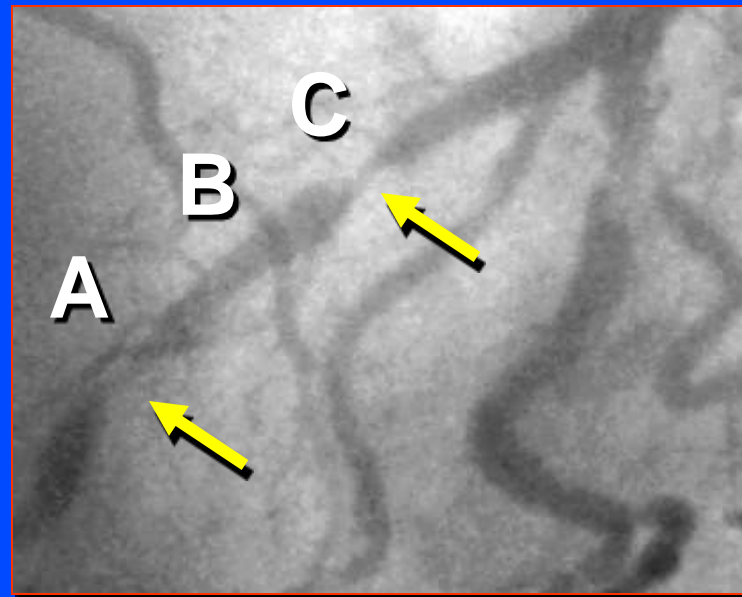
IVUS Findings

Severe Underexpansion

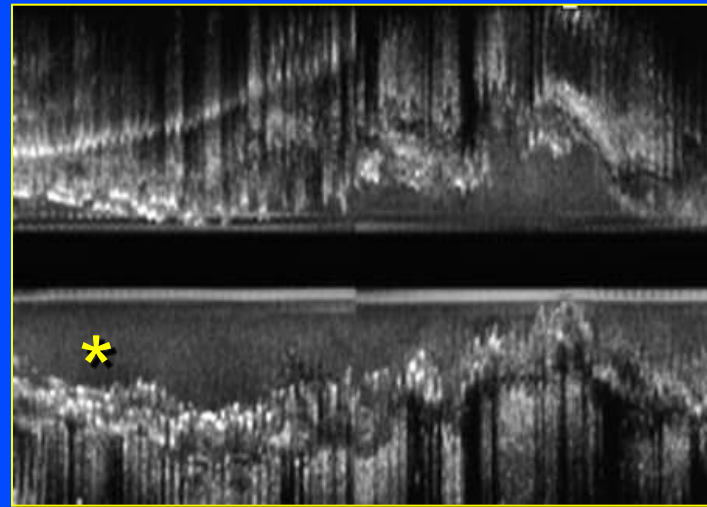
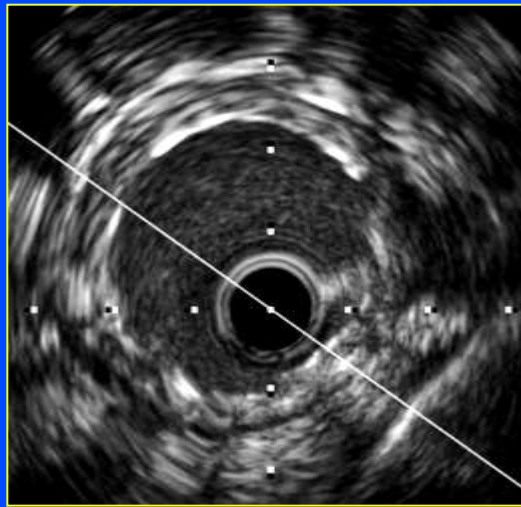
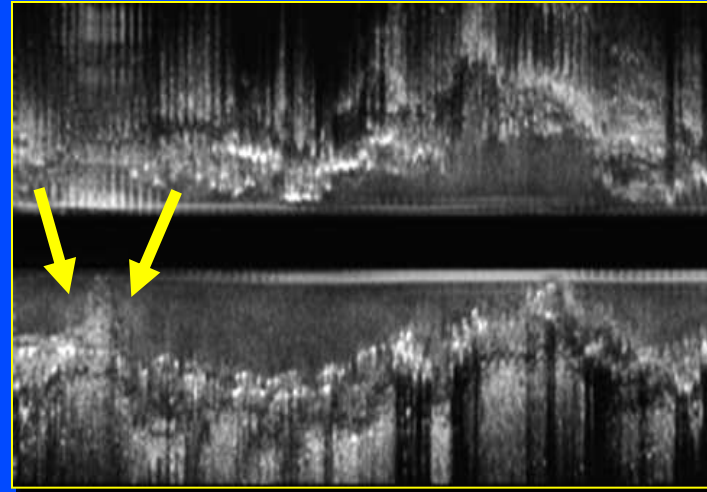
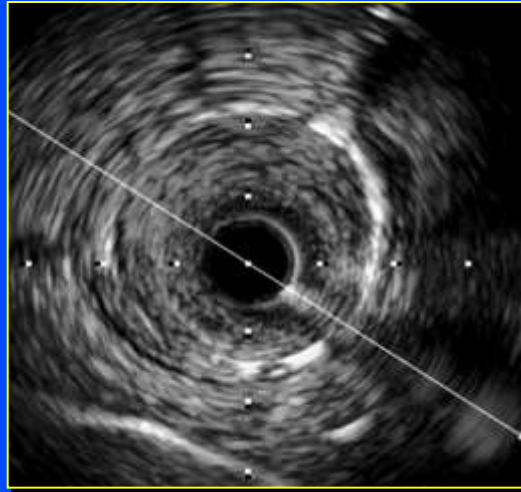
Reference



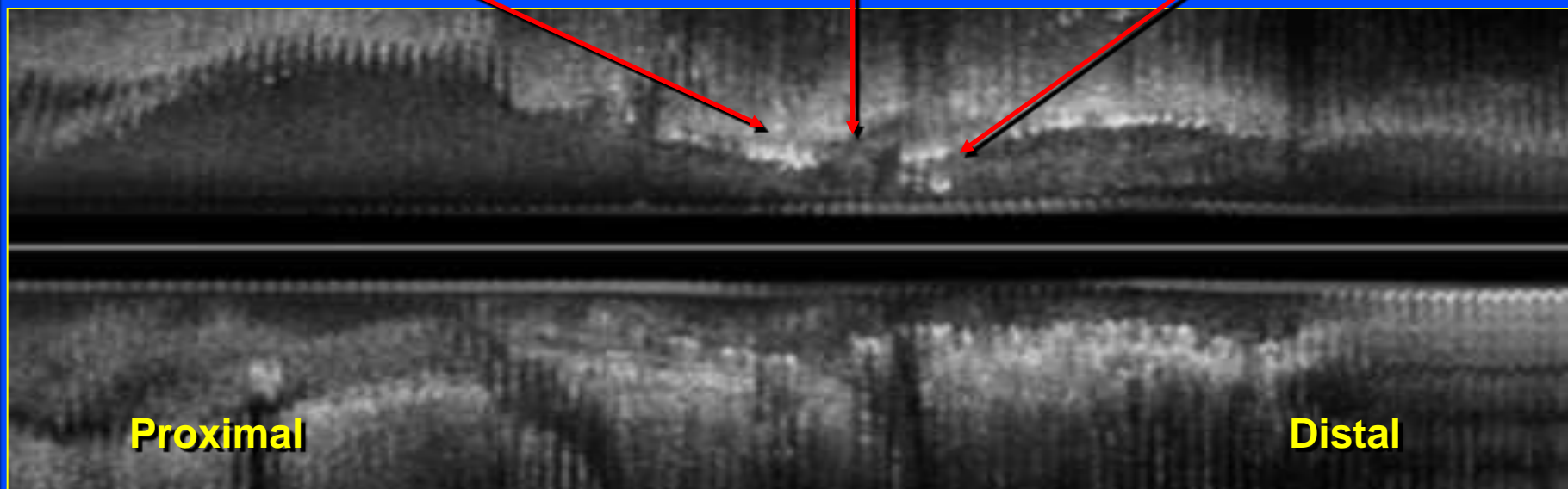
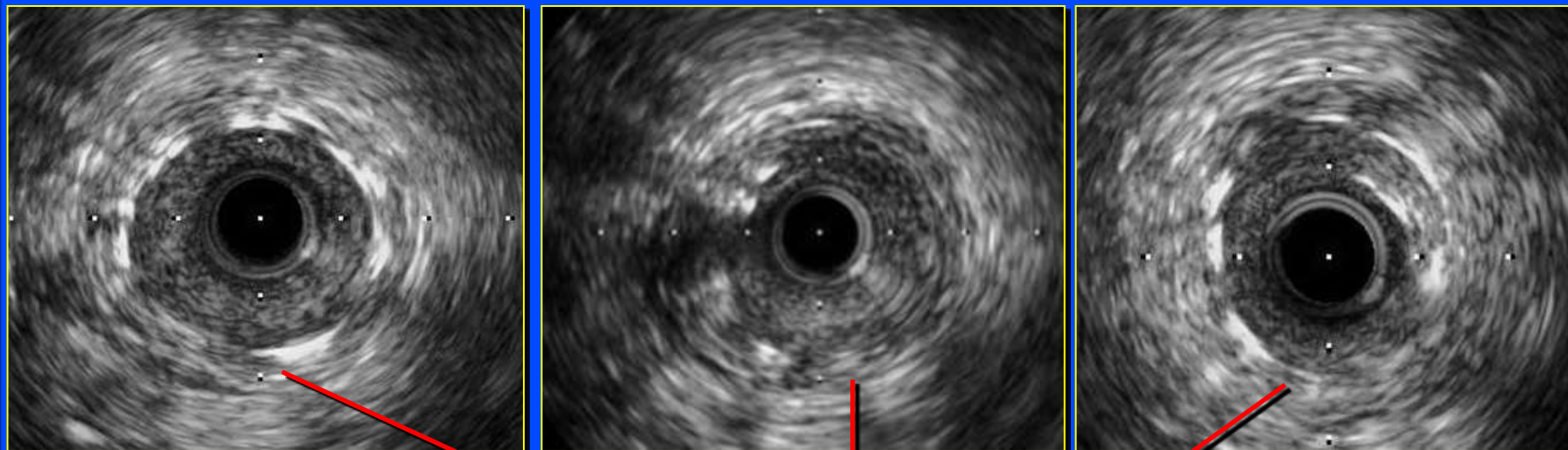
“Candy Wrapper” Effect Following DES



IVUS: DES for DES ISR

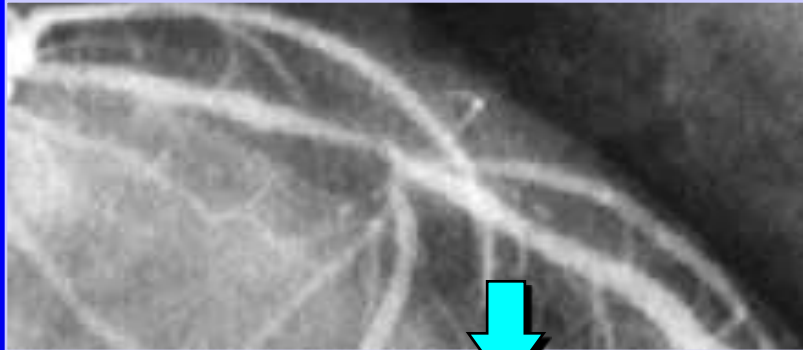
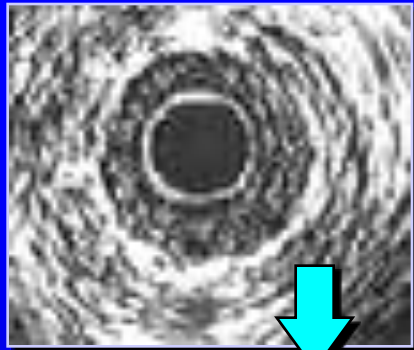


DES Fractures:



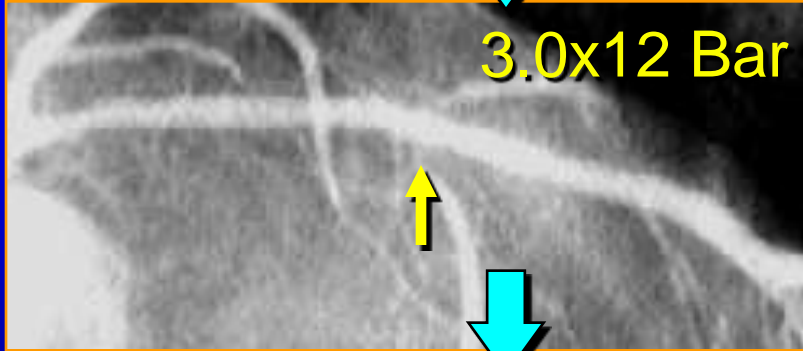
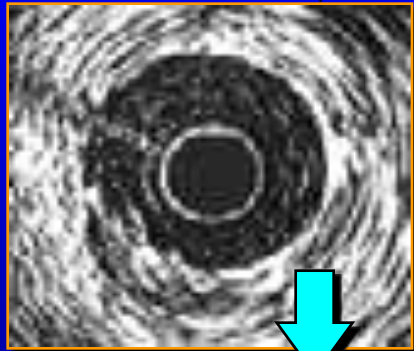
Intravascular Ultrasound

Immediate Recoil After BA for BMS ISR



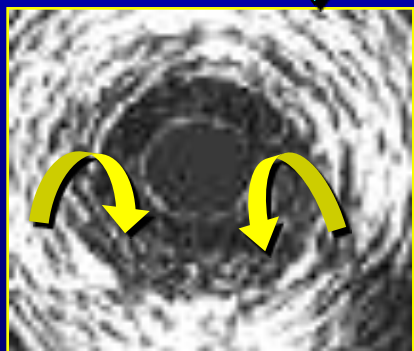
MLD: QCA

1.1 mm



3.0x12 Bar

2 mm



20'

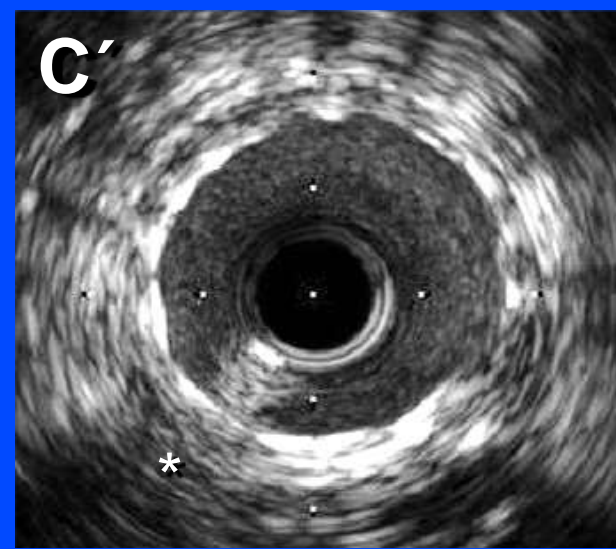
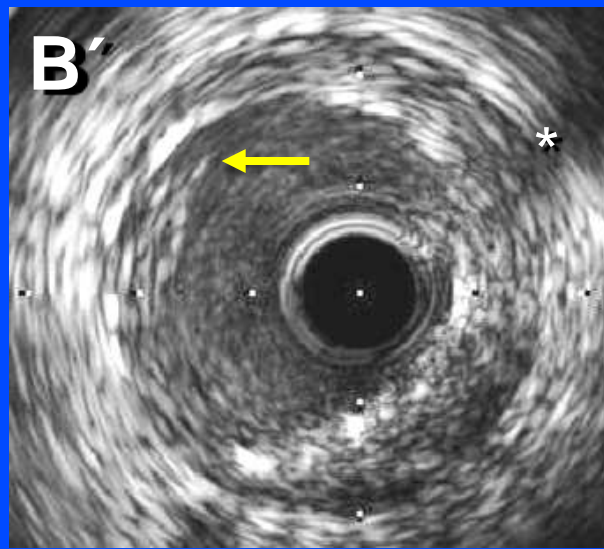
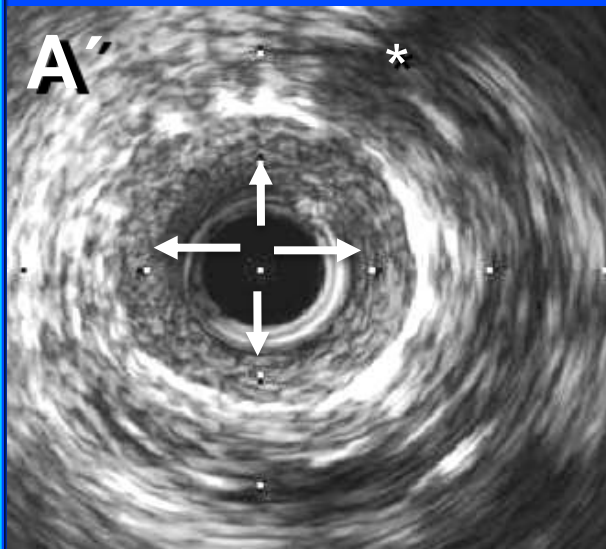
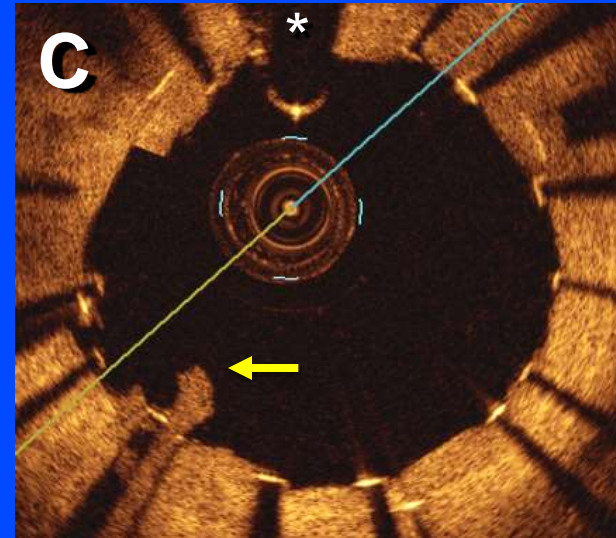
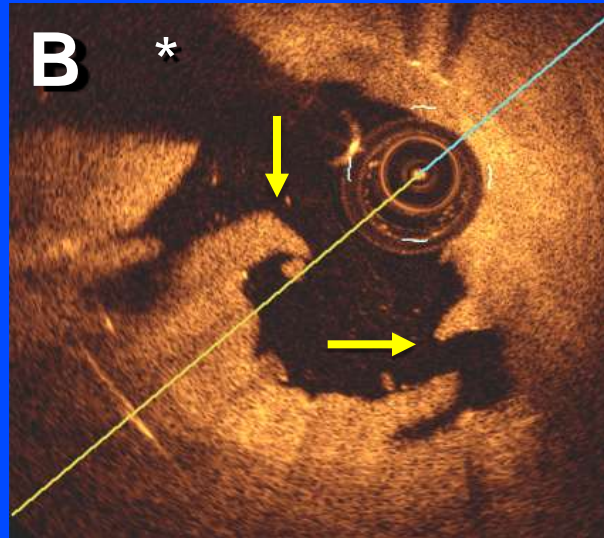
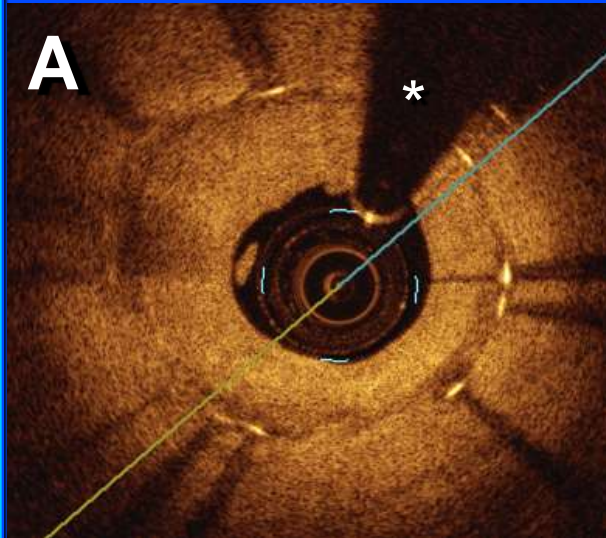
1,4 mm

RIBS: 125
BD: 5114

Baseline

Post-BA

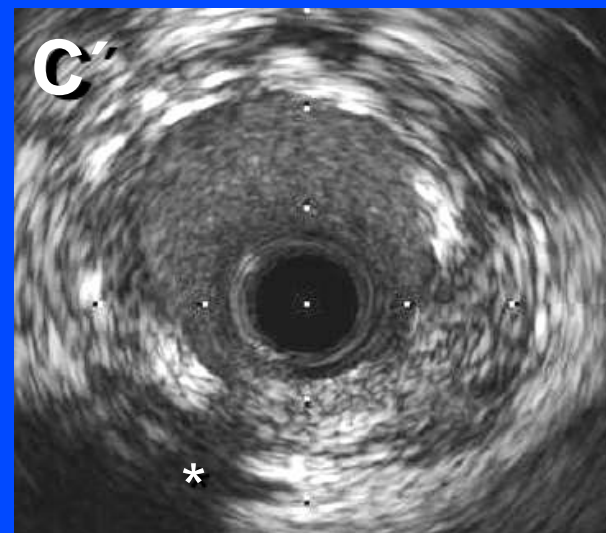
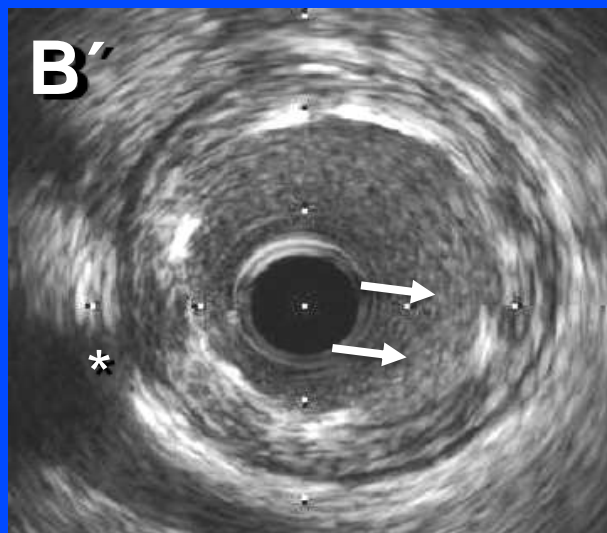
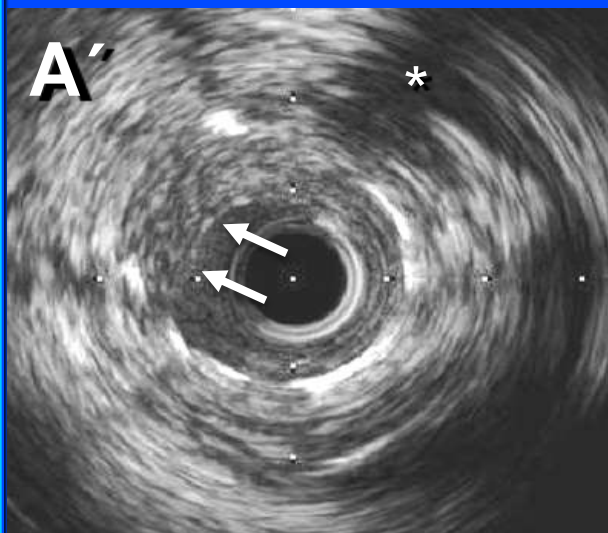
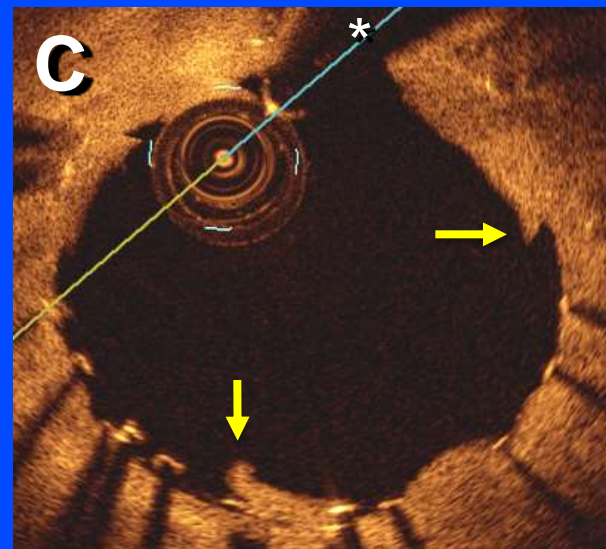
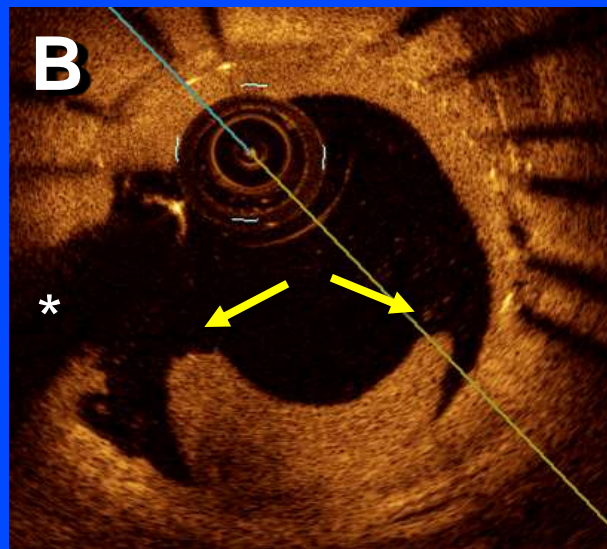
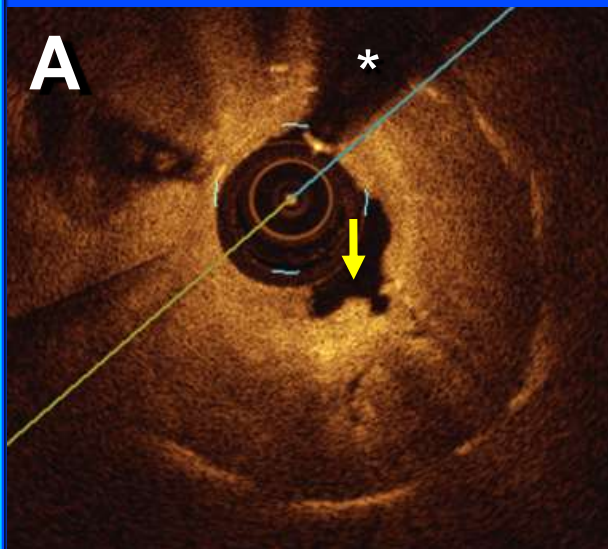
Post-DES



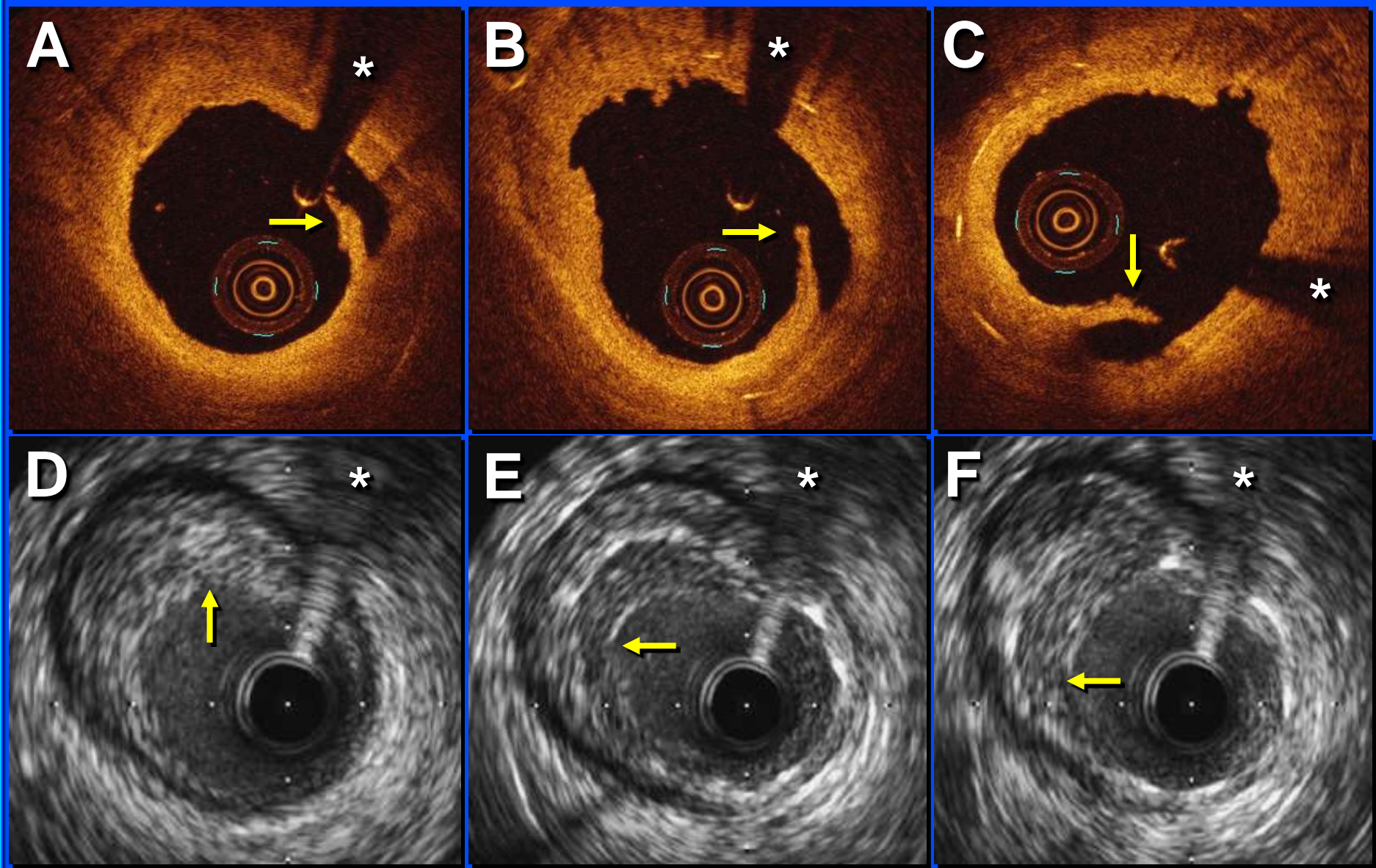
Baseline

Post-BA

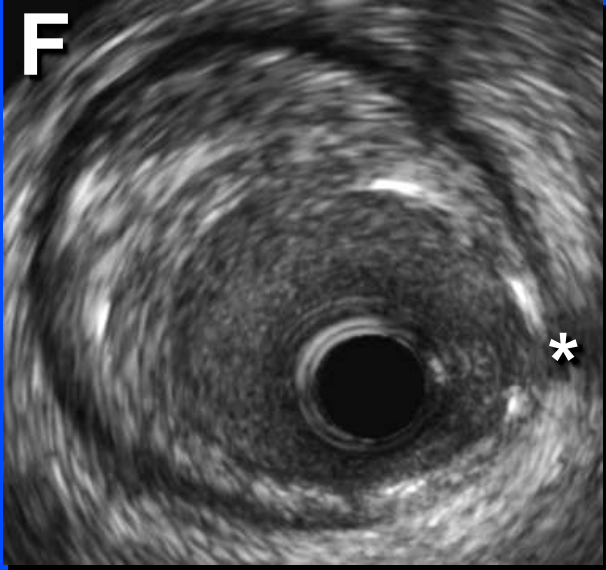
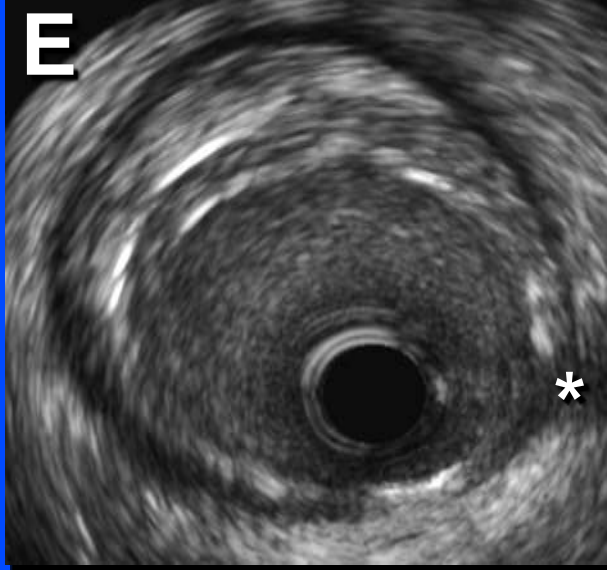
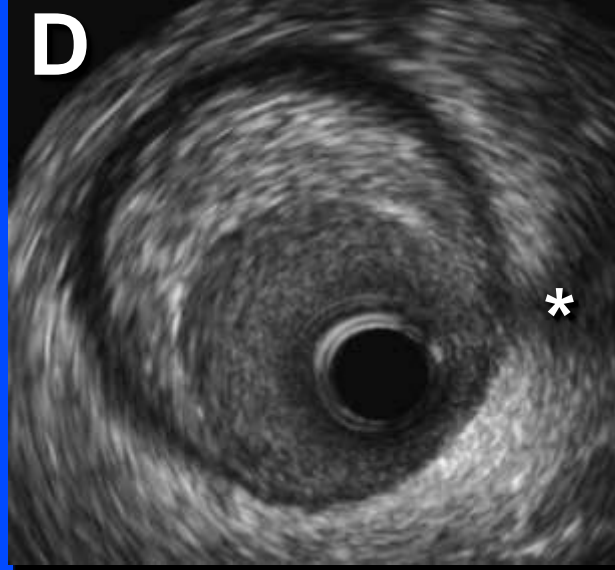
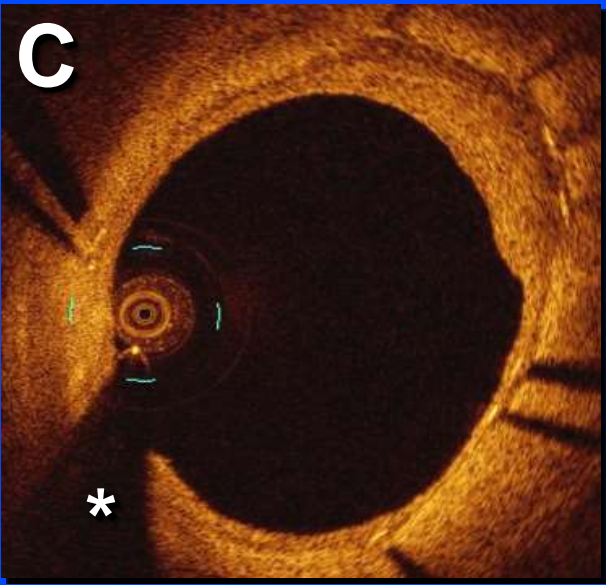
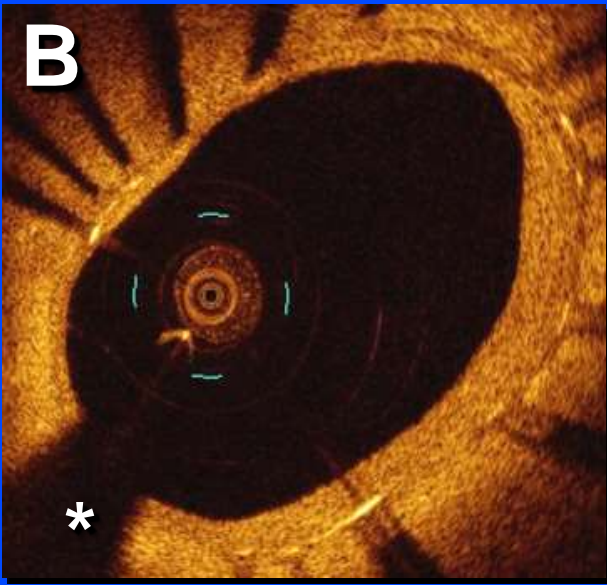
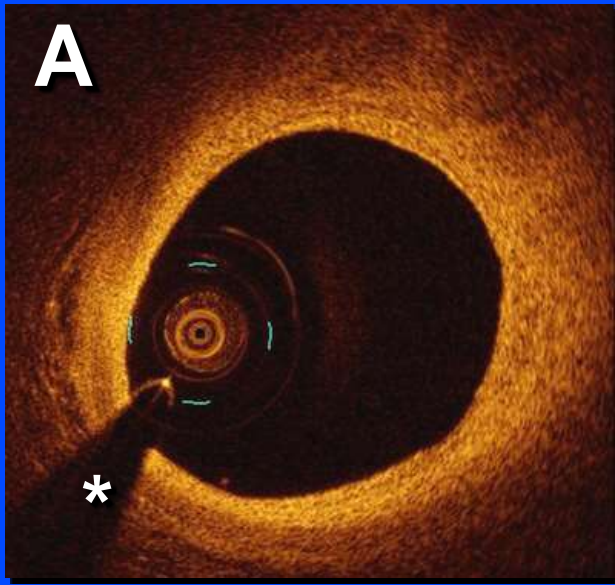
Post-DES



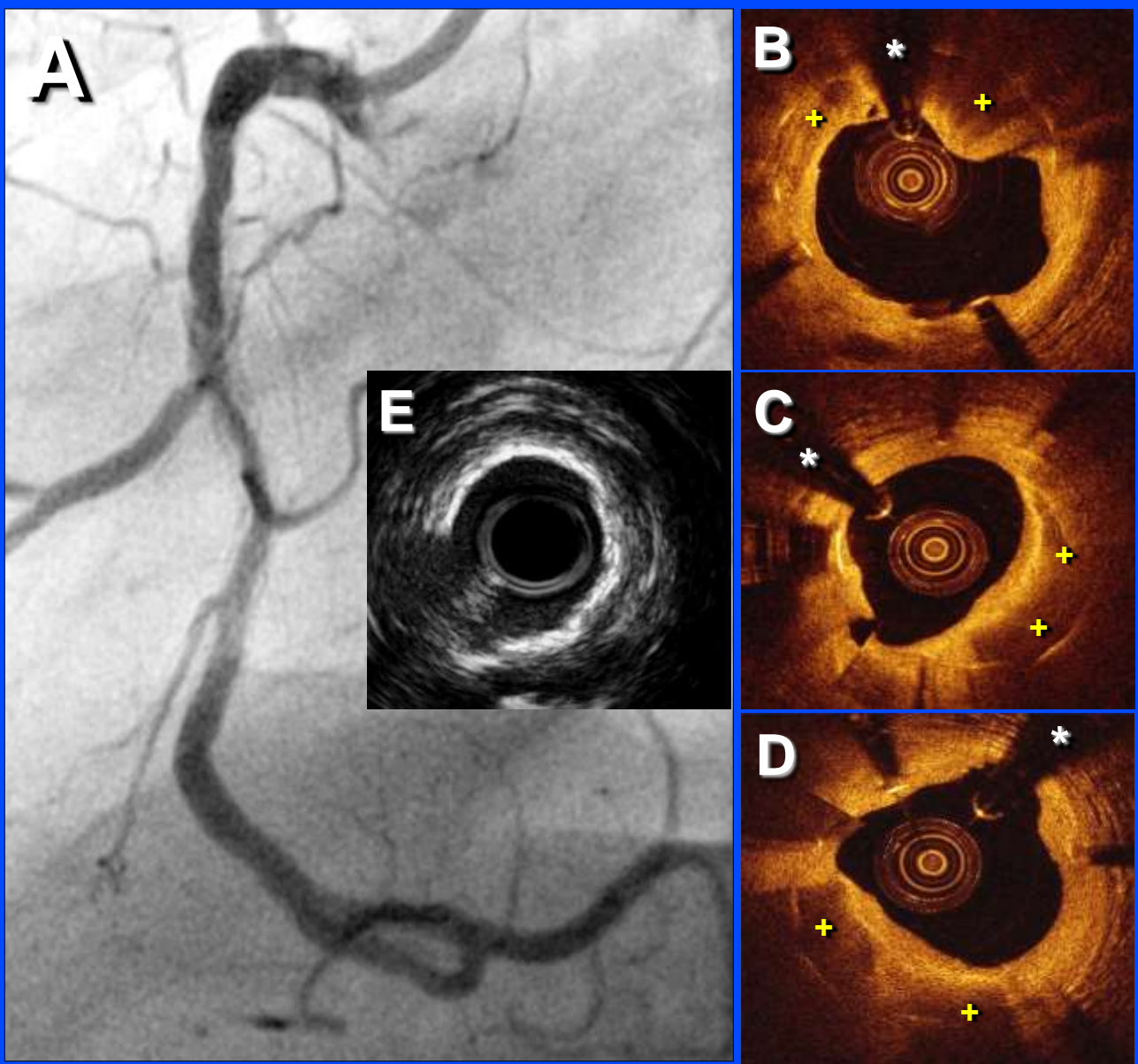
PEB for ISR (Acute)



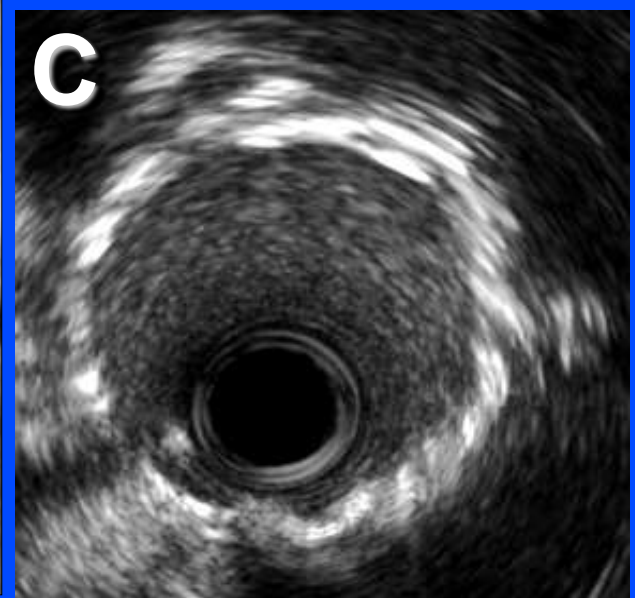
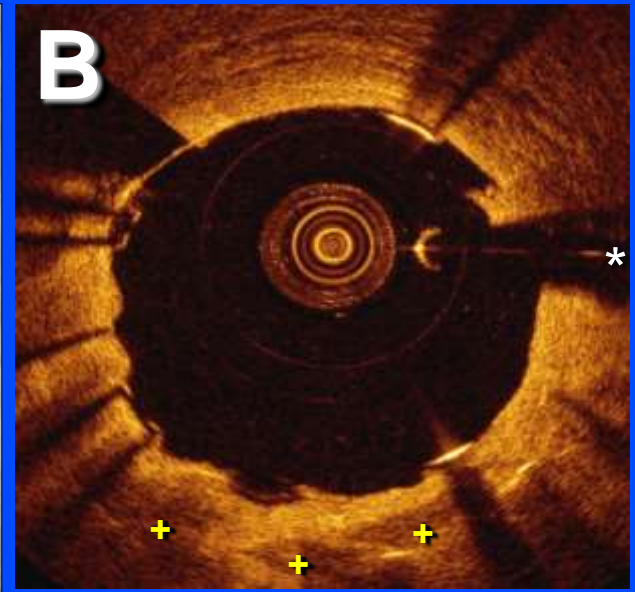
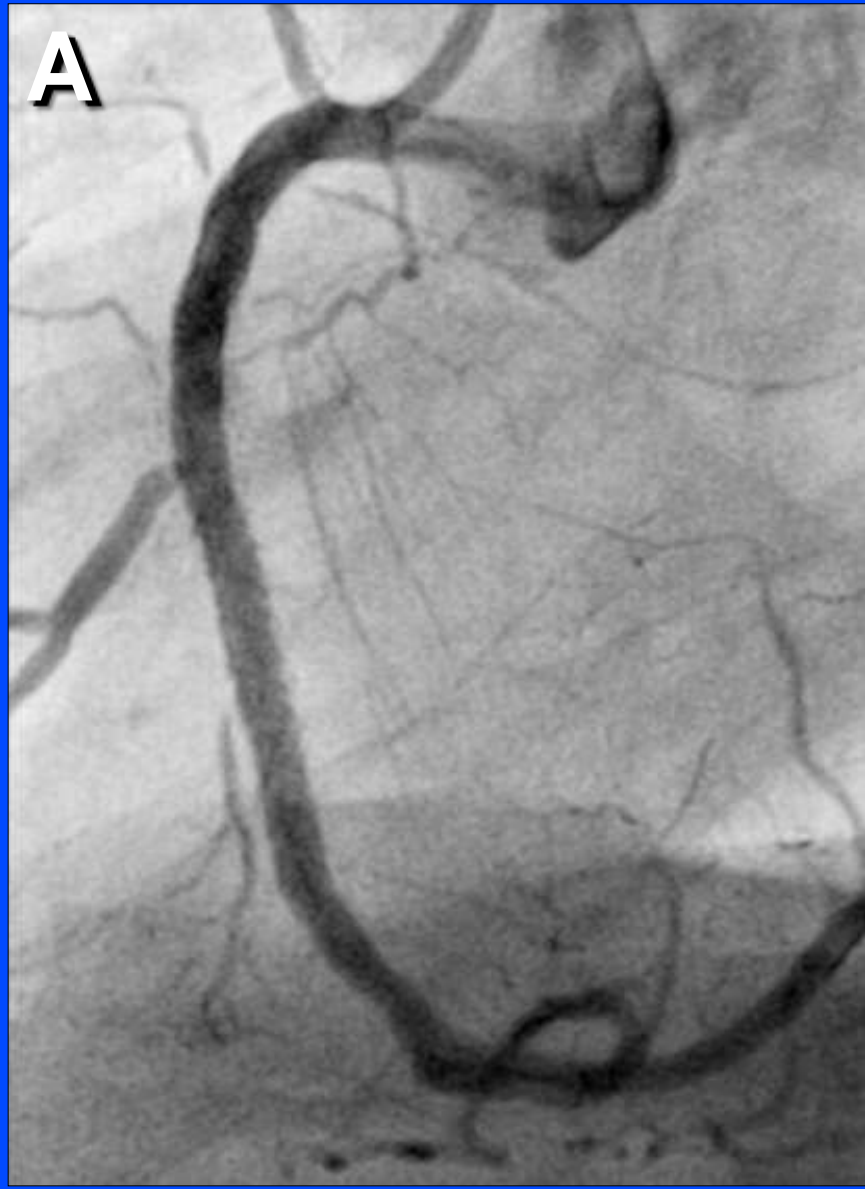
PEB for ISR (Follow-up)



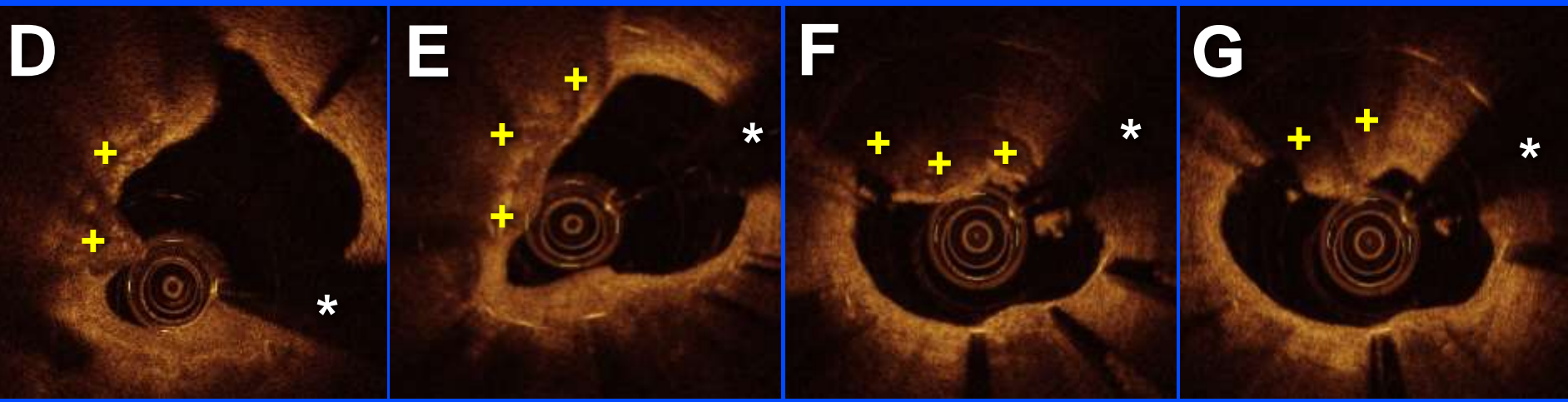
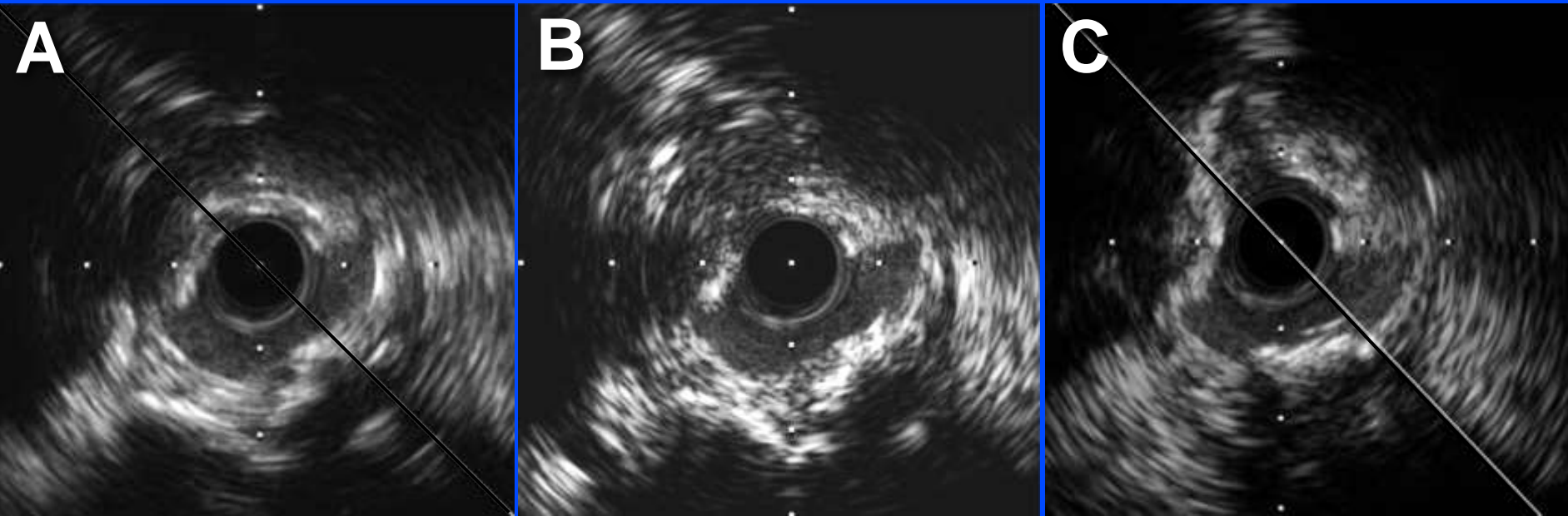
Calcified ISR



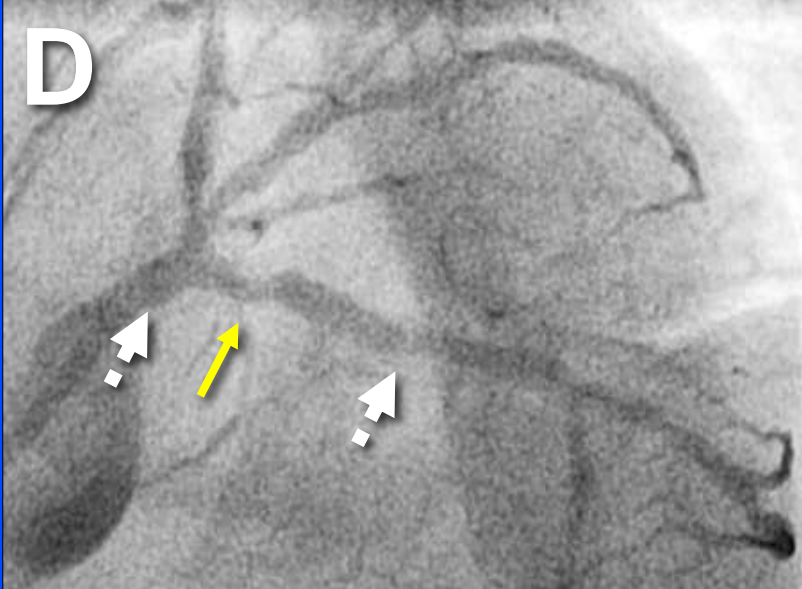
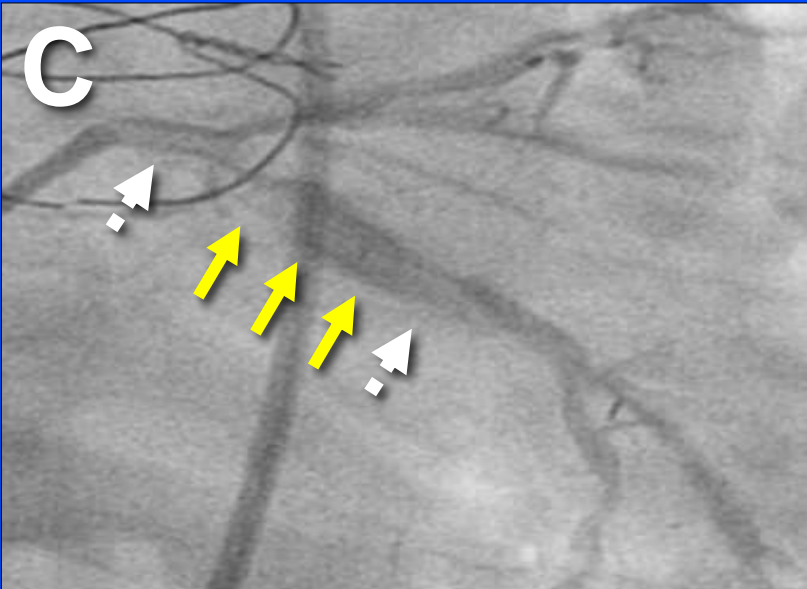
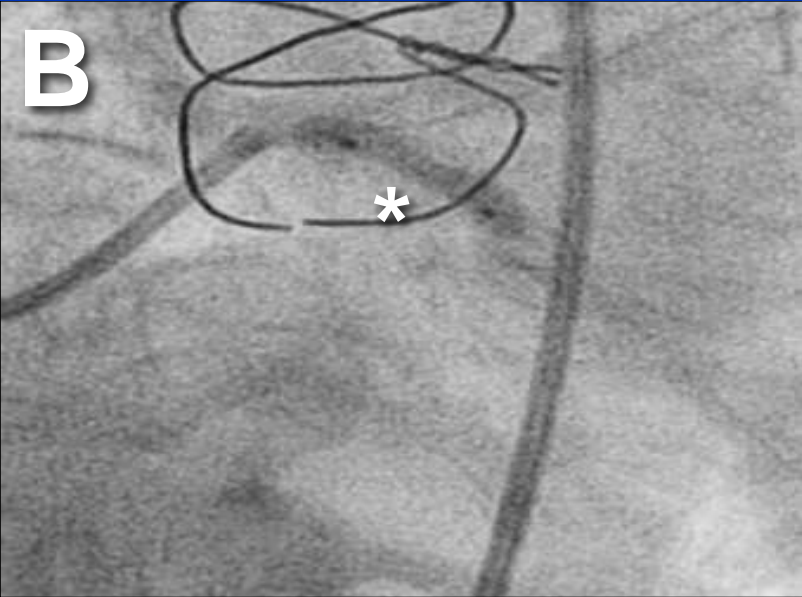
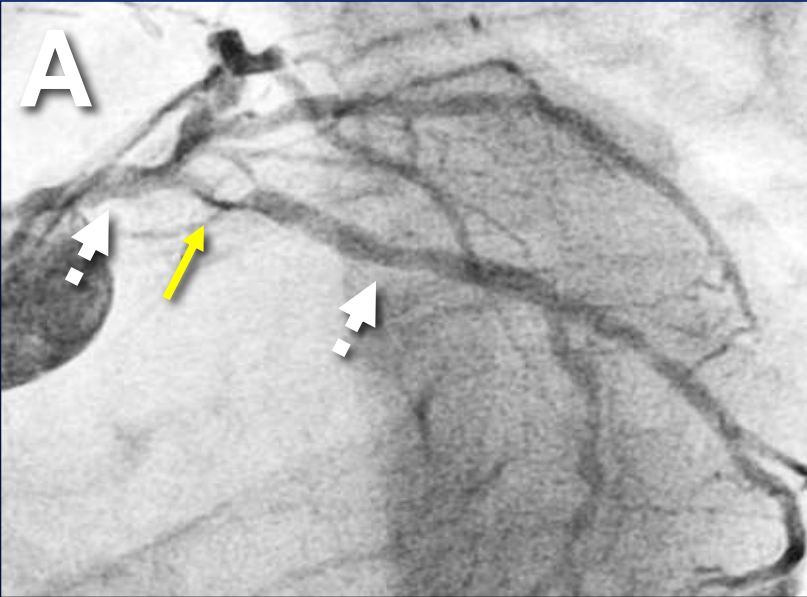
Calcified ISR



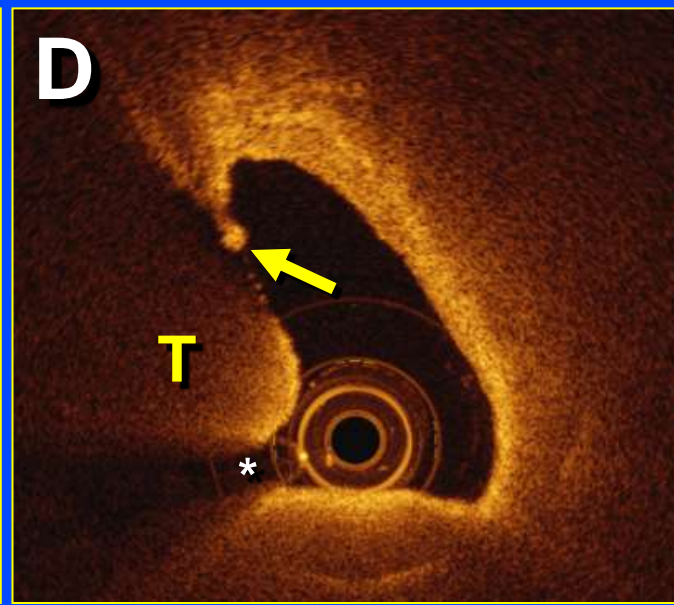
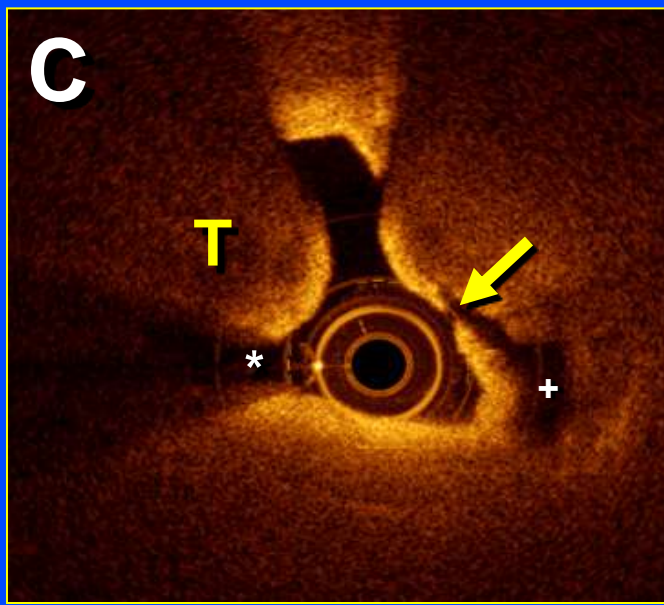
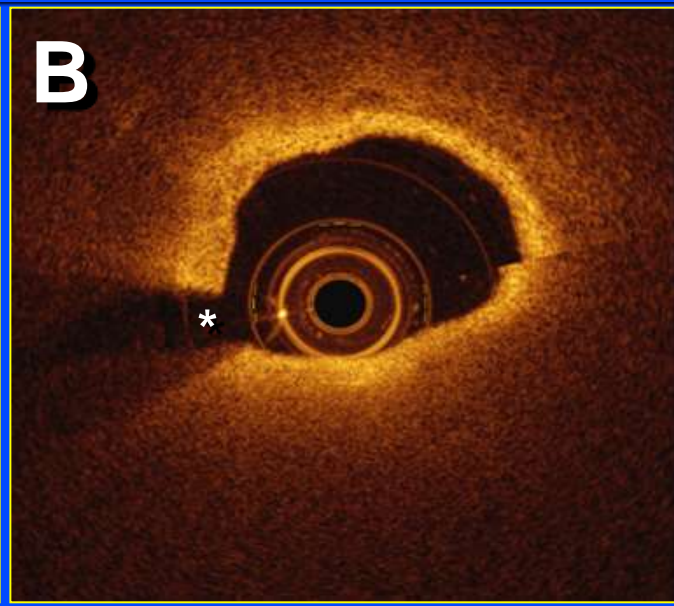
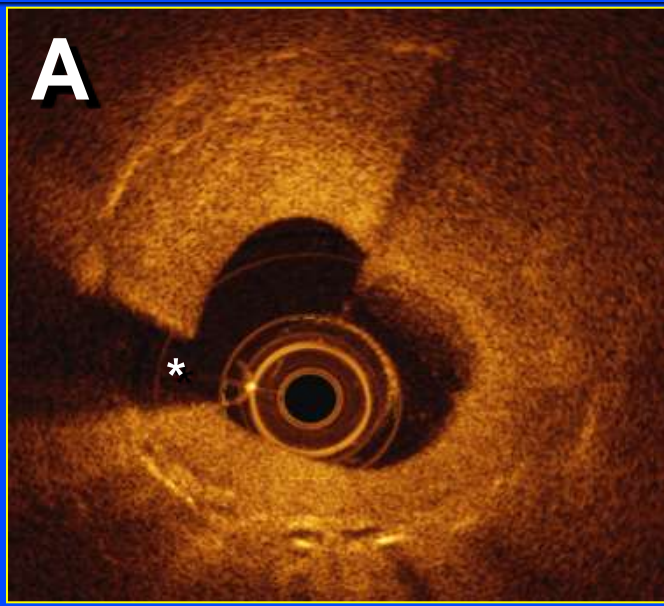
Calcified ISR



Abluminal Hematoma. Pinhole Rupture

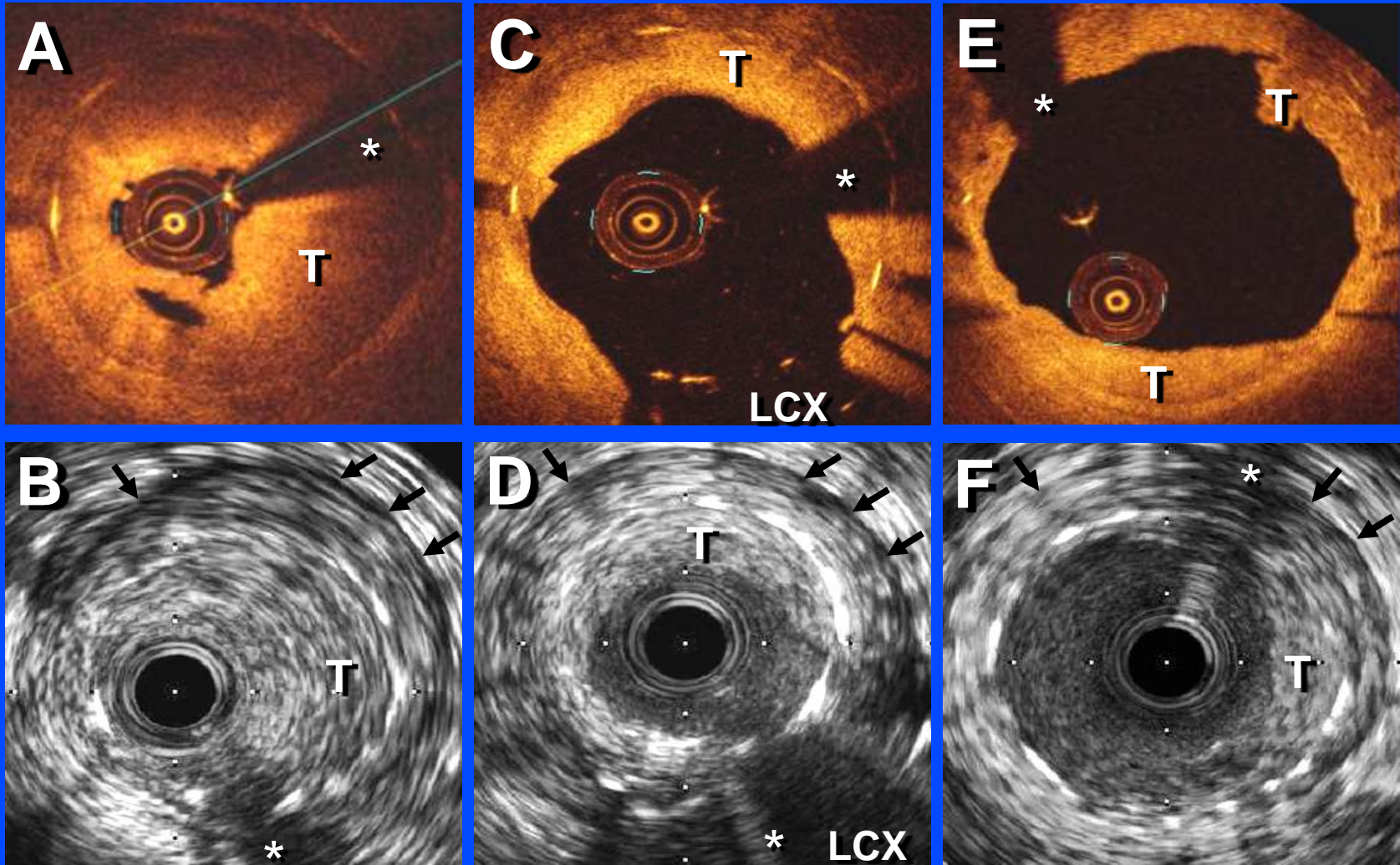


ISR Presenting as ST



OCT-ST

Late Drug-Eluting Stent Thrombosis Optical Coherence Tomography and Intravascular Ultrasound Insights

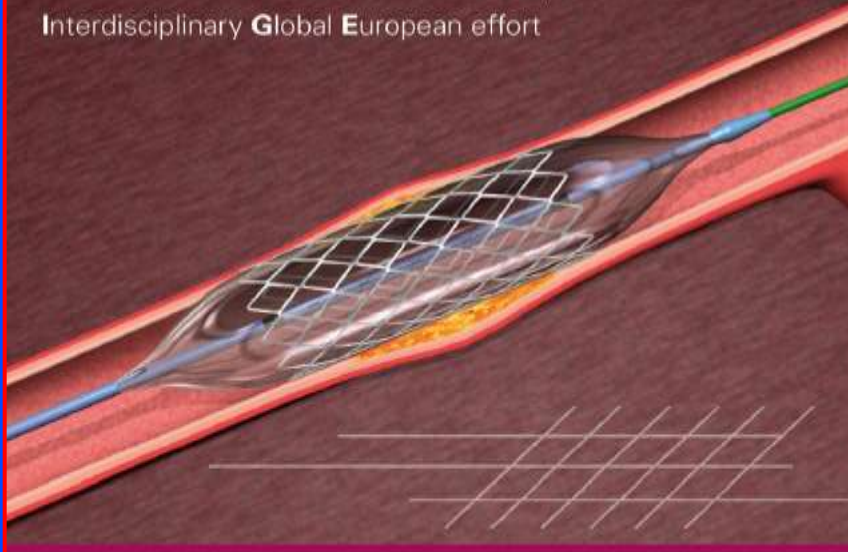


PRESTIGE

(PREvention of Late Stent Thrombosis by an Interdisciplinary Global European effort)



PREvention of late **S**tent **T**hrombosis by an
Interdisciplinary **G**lobal **E**uropean effort



- 1) *Assessment of platelet function*
- 2) *Thrombus aspiration*
- 3) *OCT and/or IVUS imaging (WP4)*
- 4) *Collection of blood sample for DNA*
- 5) *Collection on electronic CRFs*
- 6) *Patients who died (Pathology study)*

