



Imaging and Physiology Summit
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AMI Secondary to Coronary Artery Dissection After Blunt Chest Trauma

Young Joon Hong

*The Heart Center of Chonnam National University Hospital,
Chonnam National University Research Institute of Medical Sciences,
Gwangju, Korea*

32/M

C/C Left thigh pain
Chest pain
 location: substernal
 onset : 10 minutes ago
after blunt chest trauma after TA

P/H NS

R/F Smoking : 5 PYS, Current smoker

V/S	BP	140/100 mmHg	BT	36.5 °C
	PR	95/ min	RR	20/ min

Laboratory findings

CBC

WBC 12600/mm³
Hgb 15.6 g/dL
PLT 362x10³/mm³

LFT

AST 148 U/L
ALT 136 U/L

RFS and electrolyte

BUN 11.9 mg/dl
Cr 1.0 mg/dL
Na/K/Cl 145/ 4.4/ 98

Coagulation profiles

aPTT 51.2 sec
PT 13.1/101/0.99(sec/%/INR)

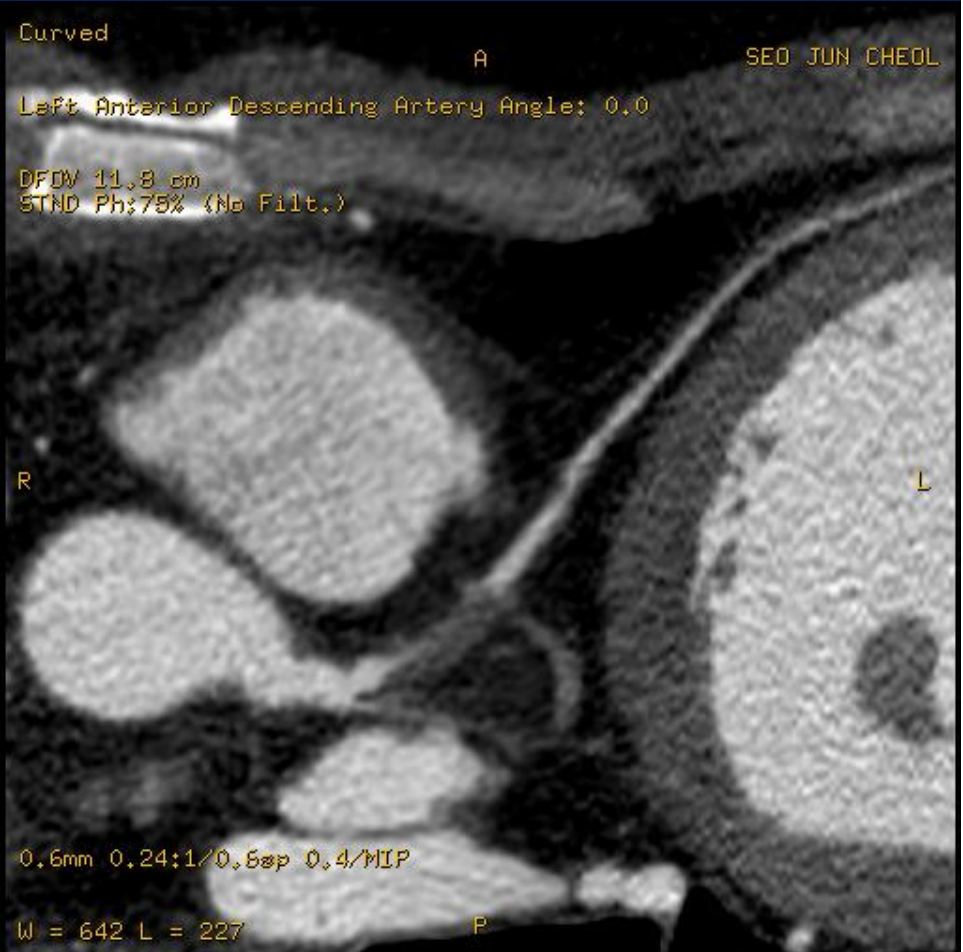
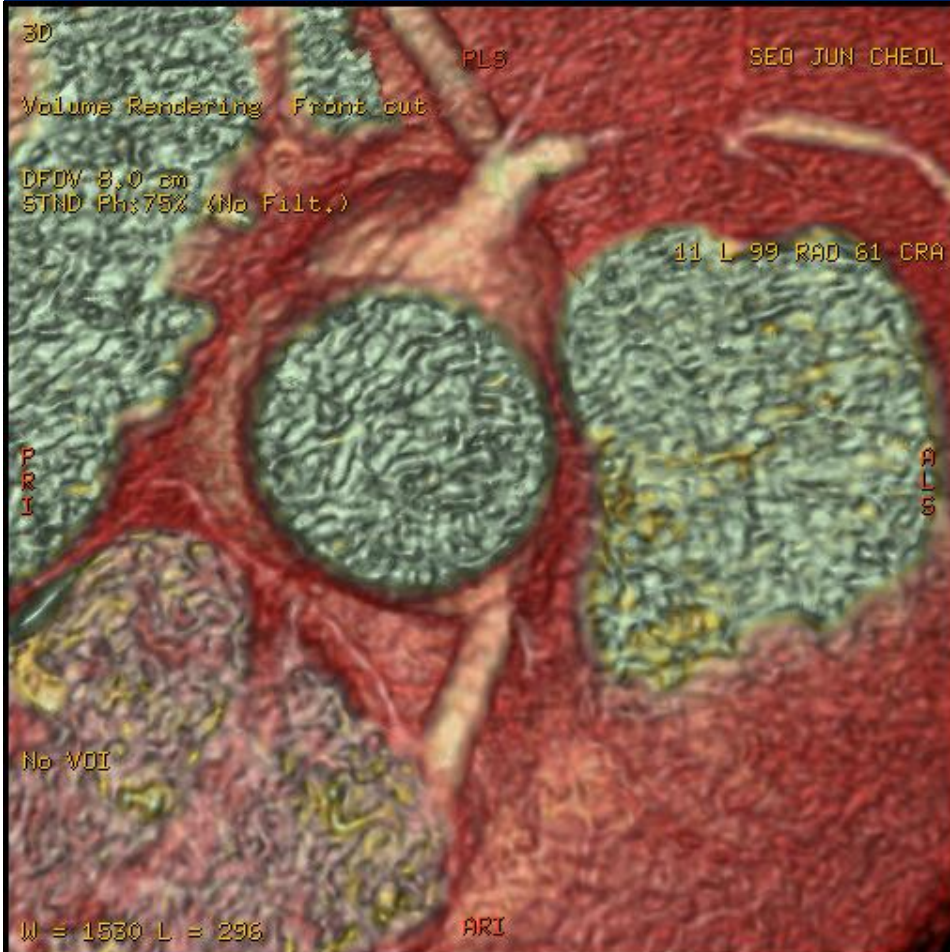
Cardiac enzyme

Tn-I 0.157 ng/ml
CK 177 U/L
CK-MB 68 U/L
LDH 1027 IU/L
Myoglobin 348 ng/mL

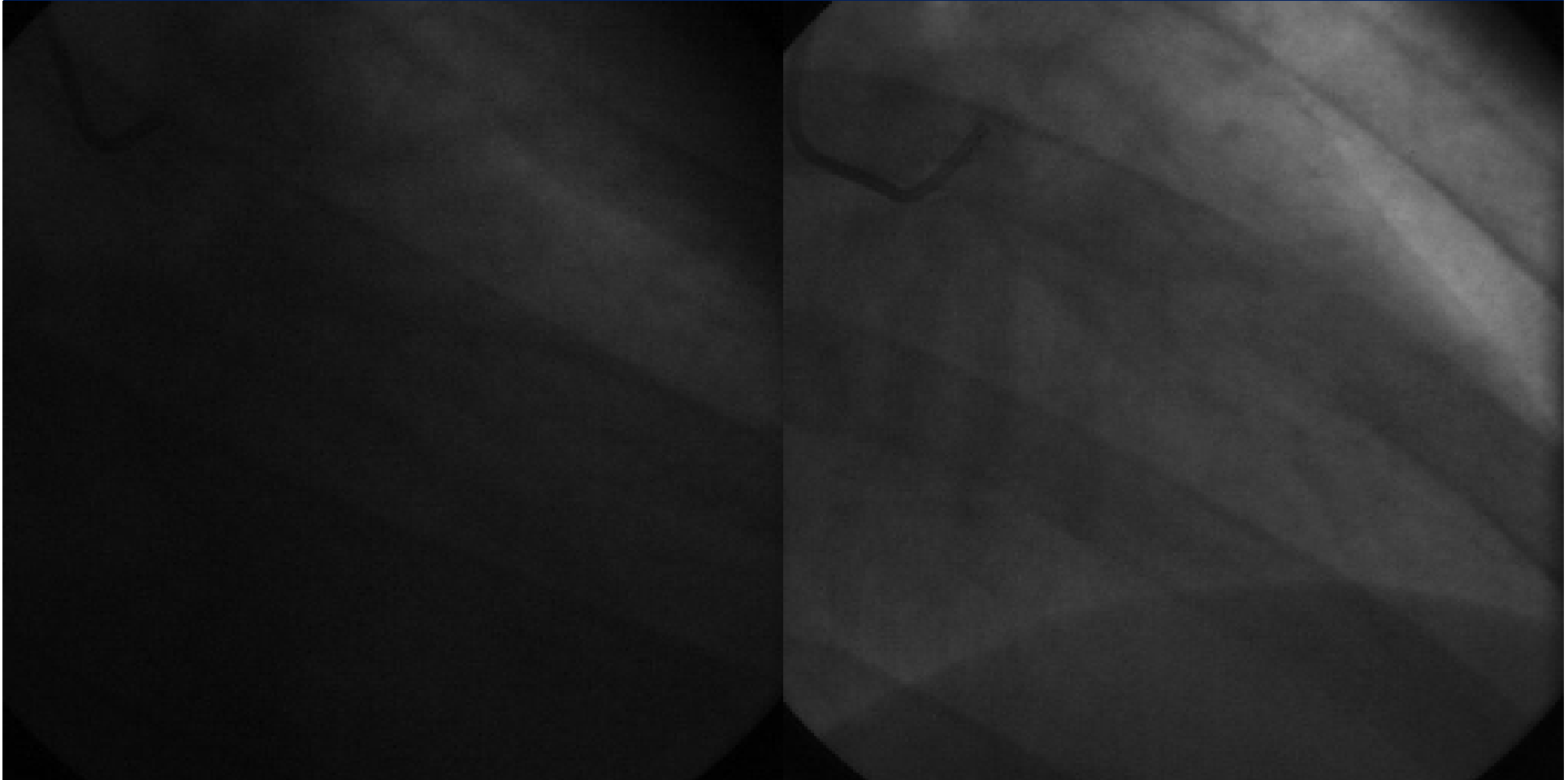
Electrocardiogram at admission



Cardiac CT



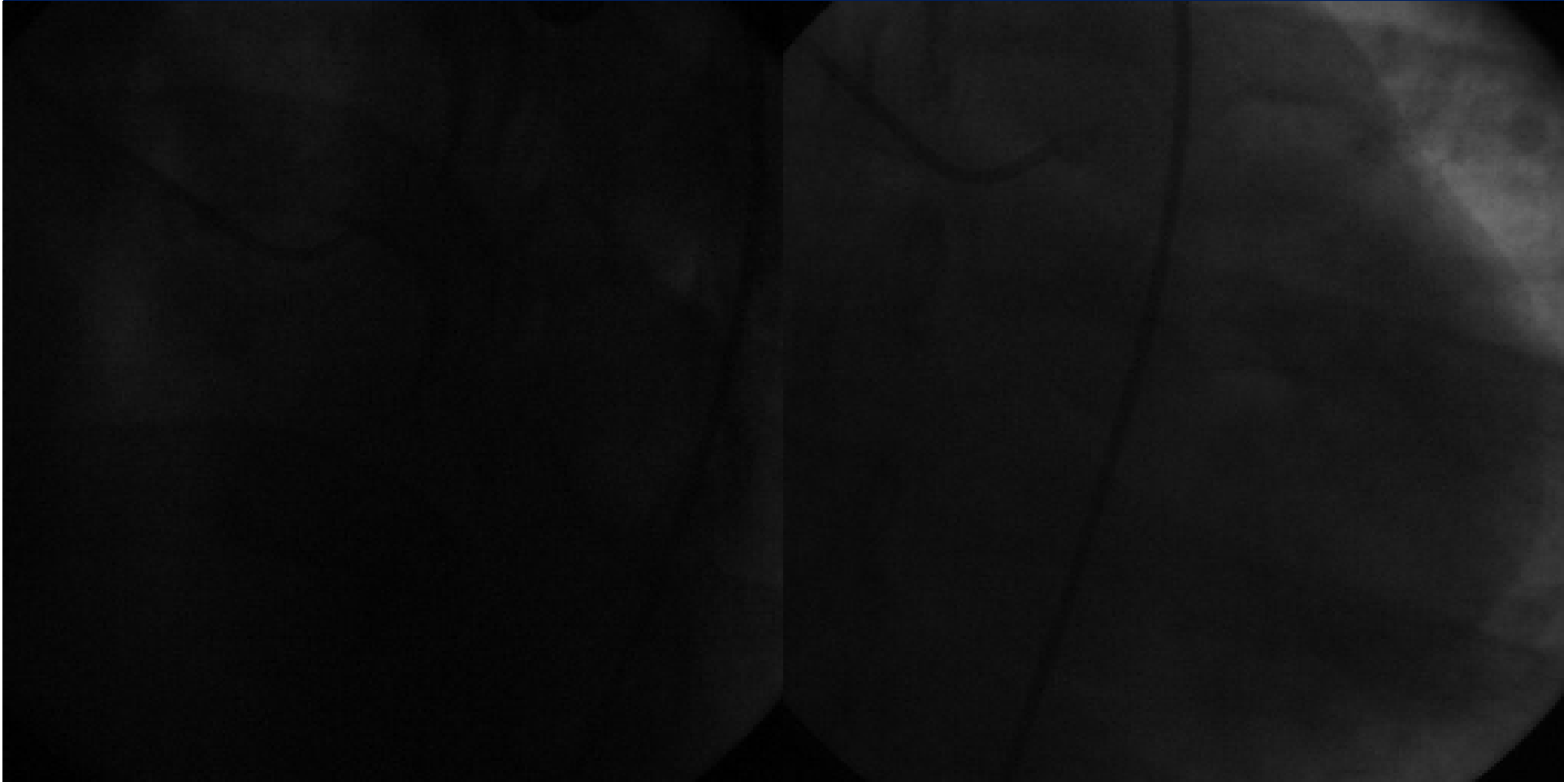
Coronary Angiogram



LCA: RAO Caudal

LCA: RAO cranial

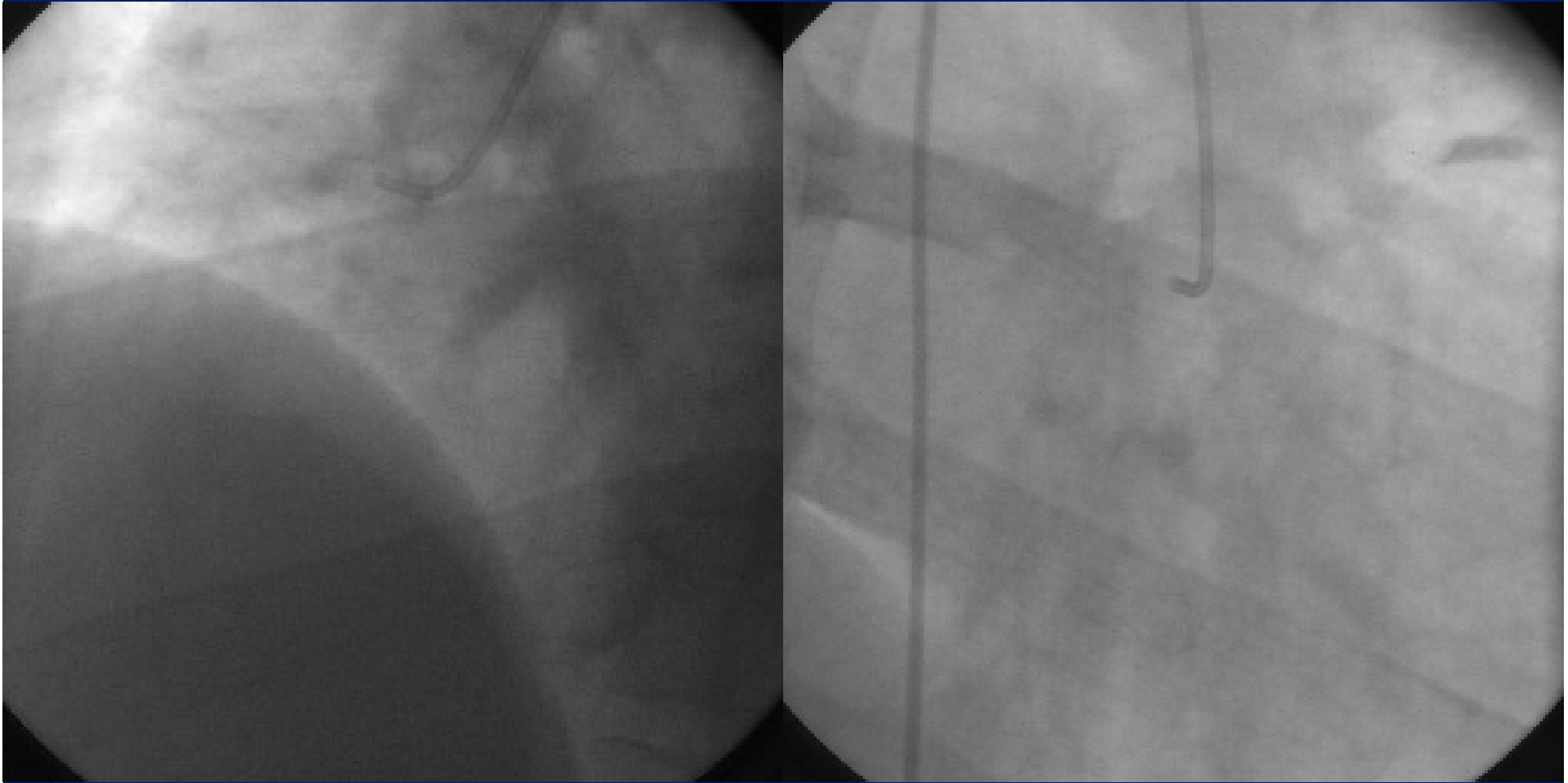
Coronary Angiogram



LCA: LAO caudal

LCA: LAO cranial

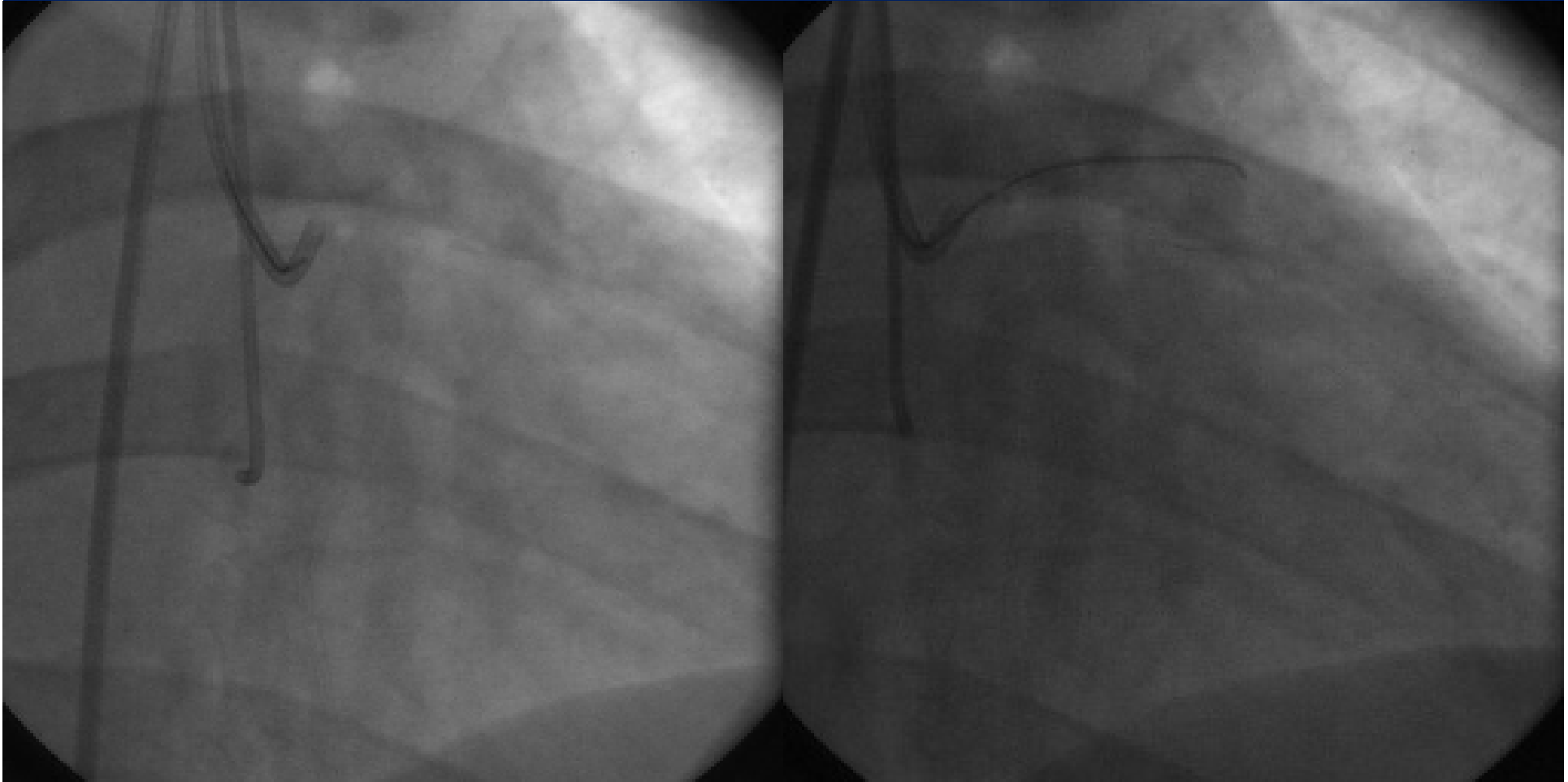
Coronary Angiogram



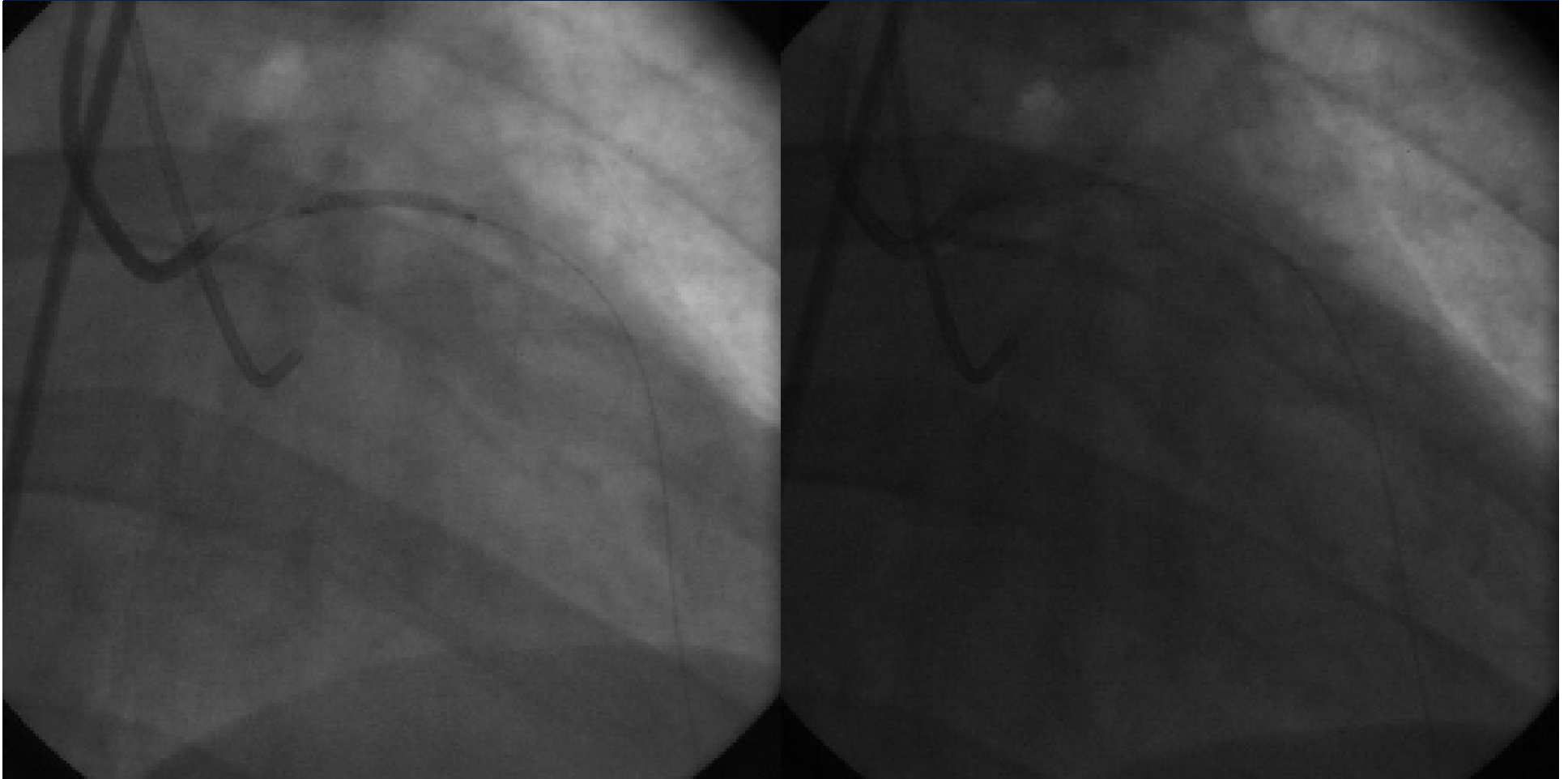
RCA: LAO cranial

RCA: RAO caudal

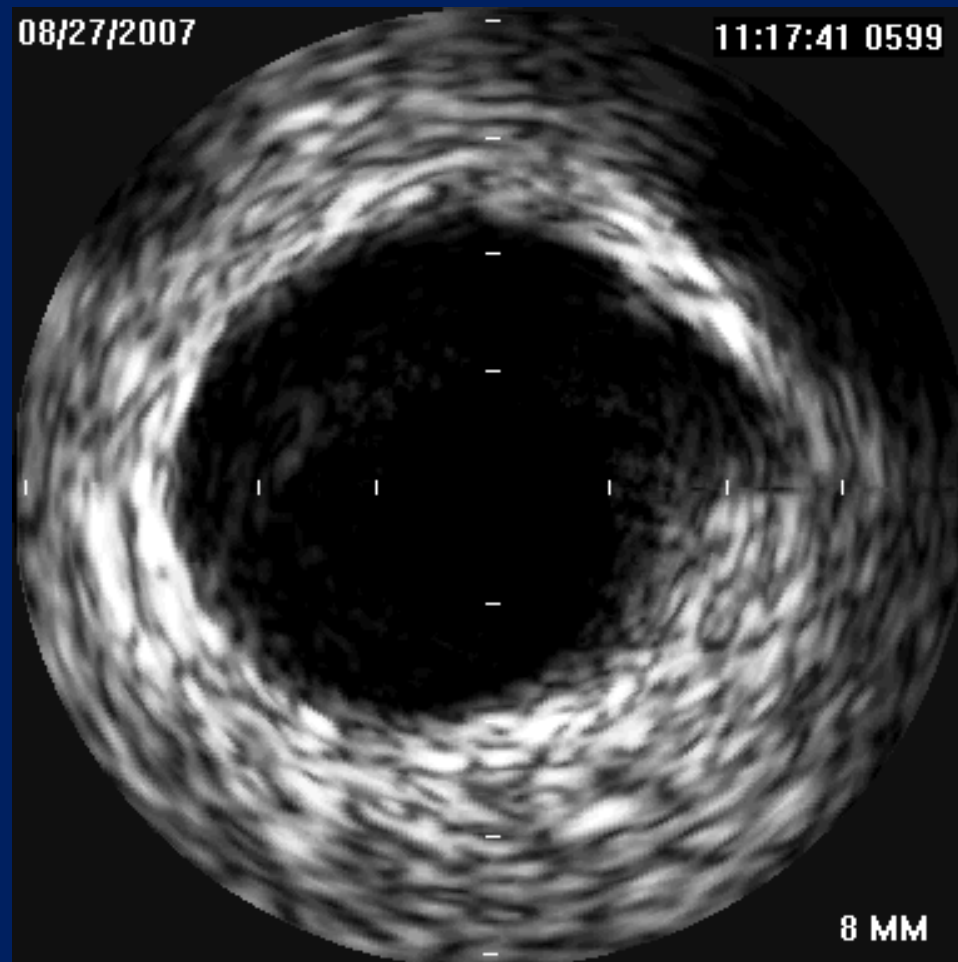
Microcatheter and Conquest guidewire



2.0mm balloon

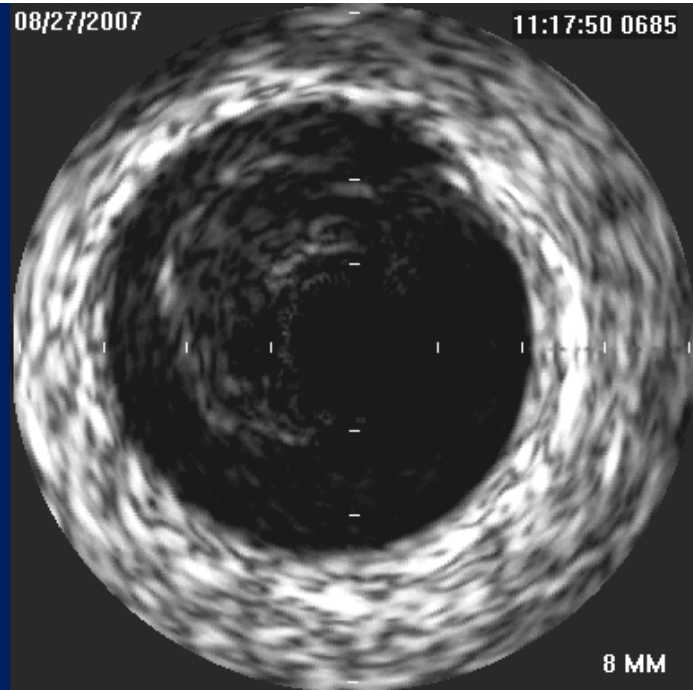


IVUS



08/27/2007

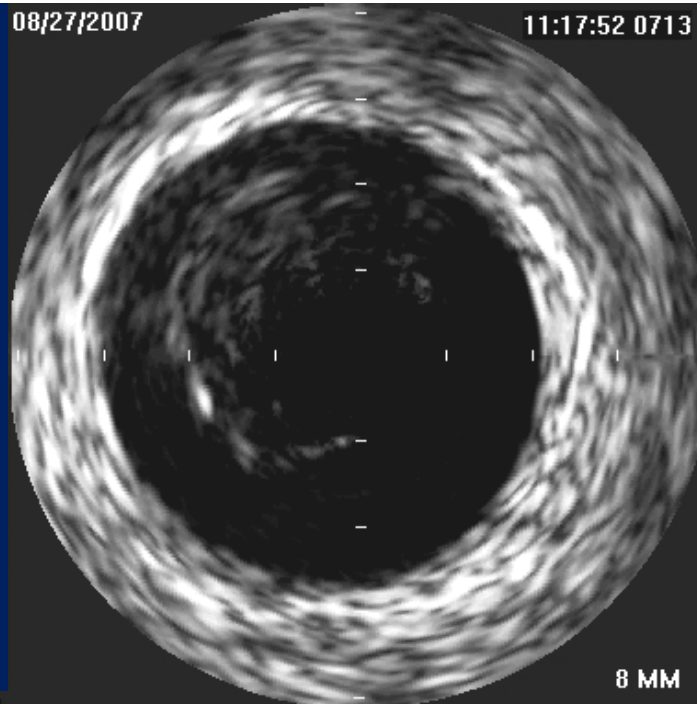
11:17:50 0685



8 MM

08/27/2007

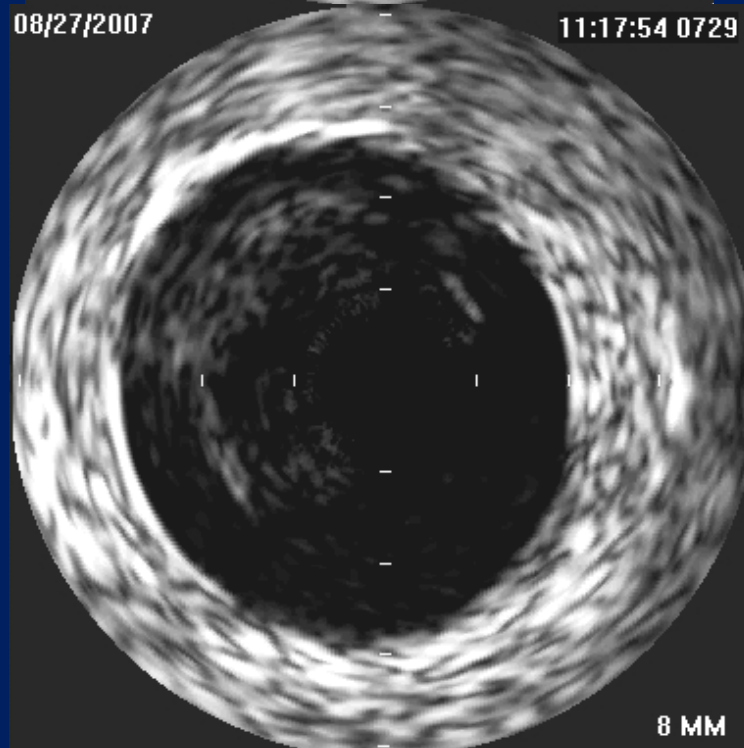
11:17:52 0713



8 MM

08/27/2007

11:17:54 0729



8 MM

08/27/2007

11:17:53 0717

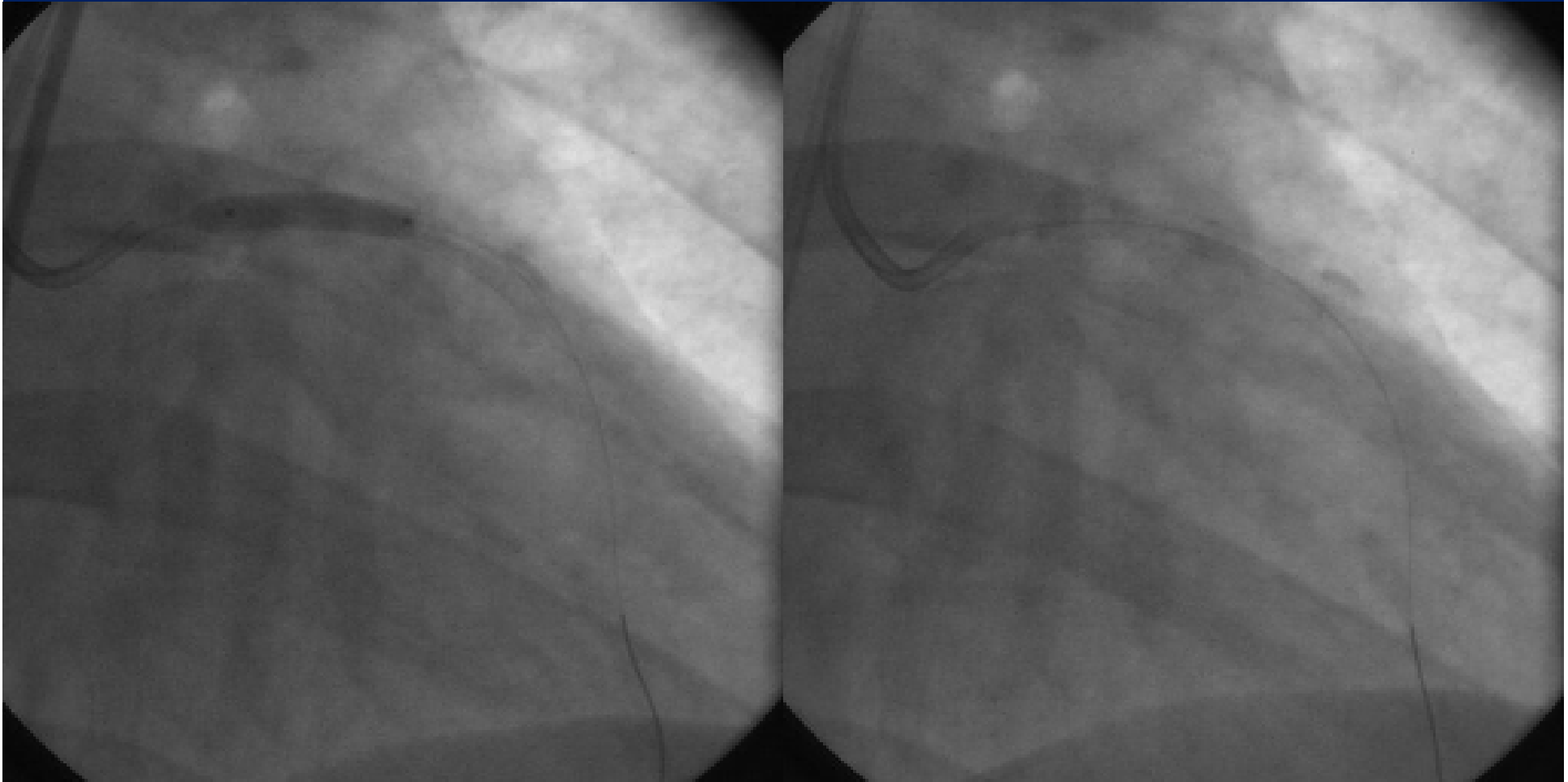


8 MM

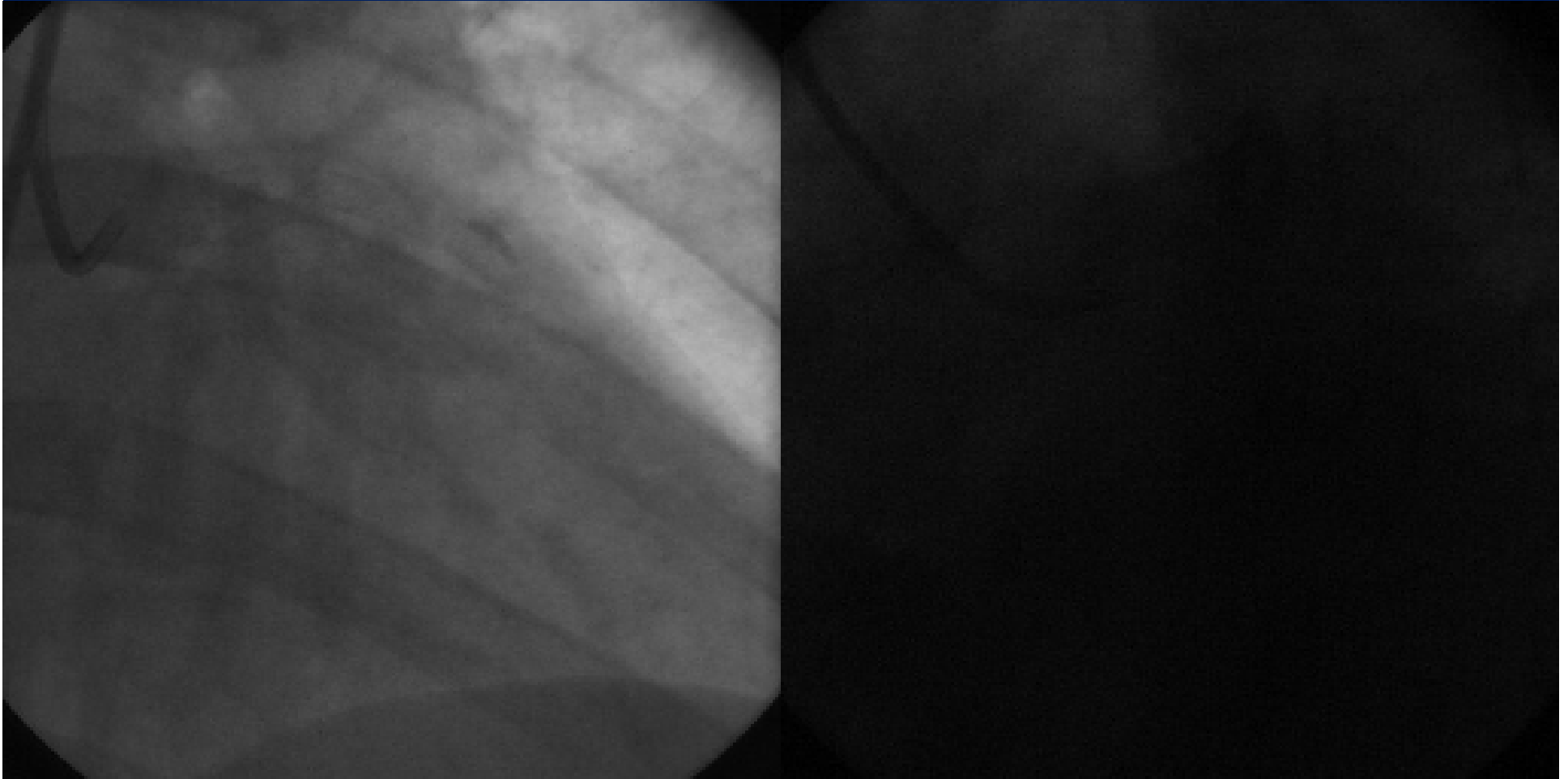
4.0*24 mm Arthos pico stent at 10 atm



4.0*18 mm Arthos pico stent at 16 atm



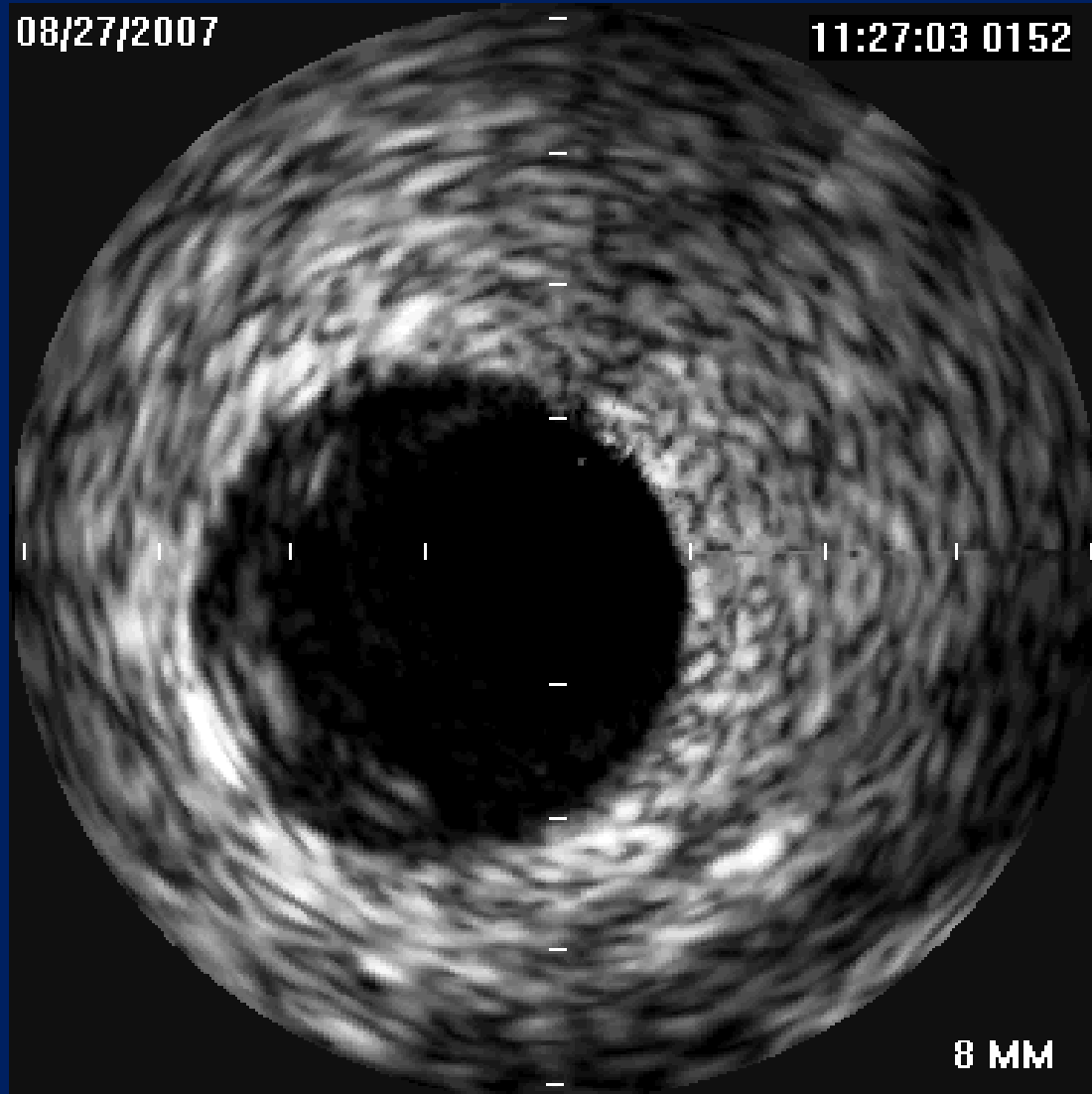
Final angiogram



Final IVUS

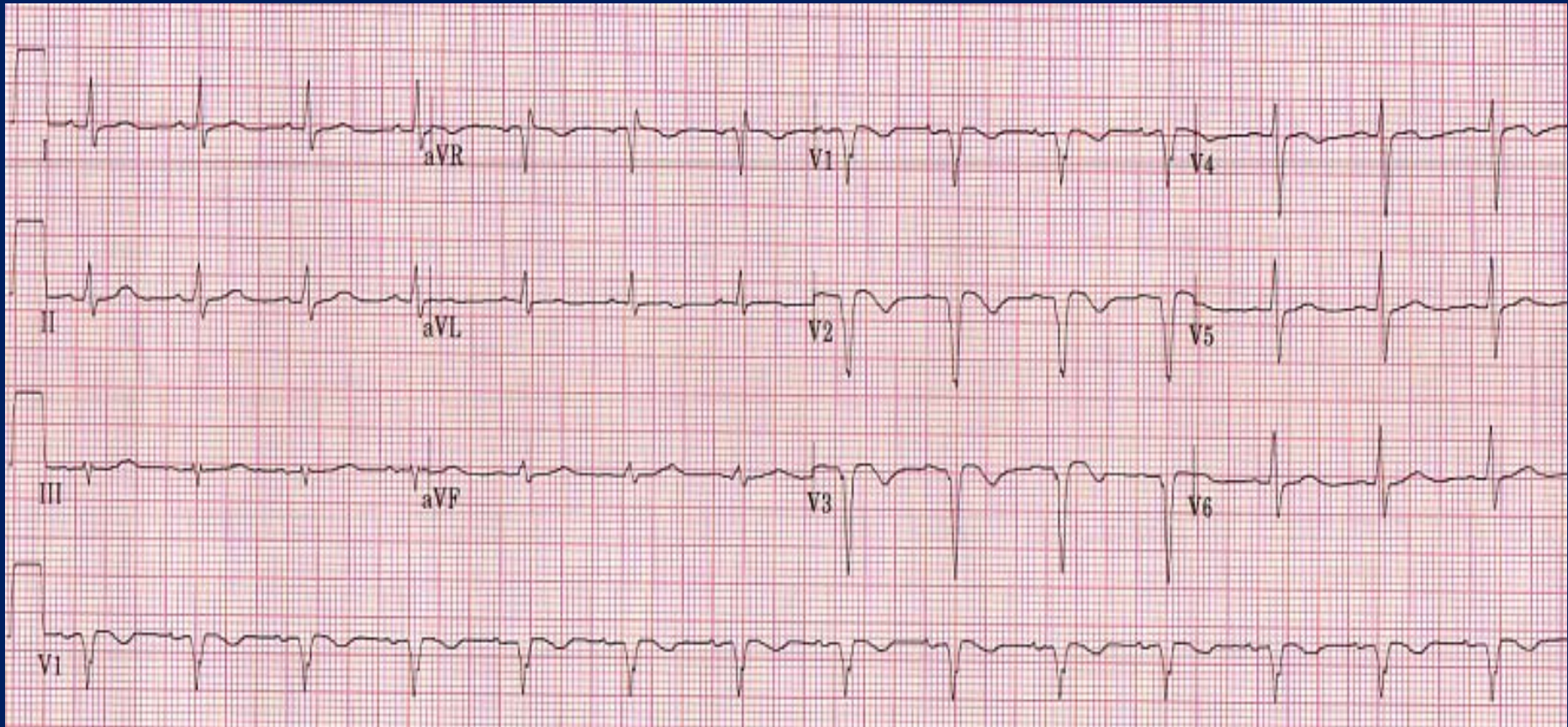
08/27/2007

11:27:03 0152



8 MM

7 Months FU ECG



7 Months FU Angiogram



LCA:

LCA: