

Courtesy of : Dr. E.Bramucci
Policlinico San Matteo, Pavia
Stent Used: Aneugraft® Ø 3.5 X 27 & 3.5 X 23
Date: October 2009

Case Description: Huge CAA successfully treated with PCS implantation.

➤ A 71-year-old male with a history of arterial hypertension and of abdominal arterial aneurysm (AAA) underwent a computed tomography (CT). The CT images showed an AAA greater than 5 cm with indication to surgical correction, and a giant CAA at the proximal-mild portion of the right coronary artery (RCA) (Fig 1-2) to be corrected before the AAA treatment.

Case Description: Huge CAA successfully treated with PCS implantation.

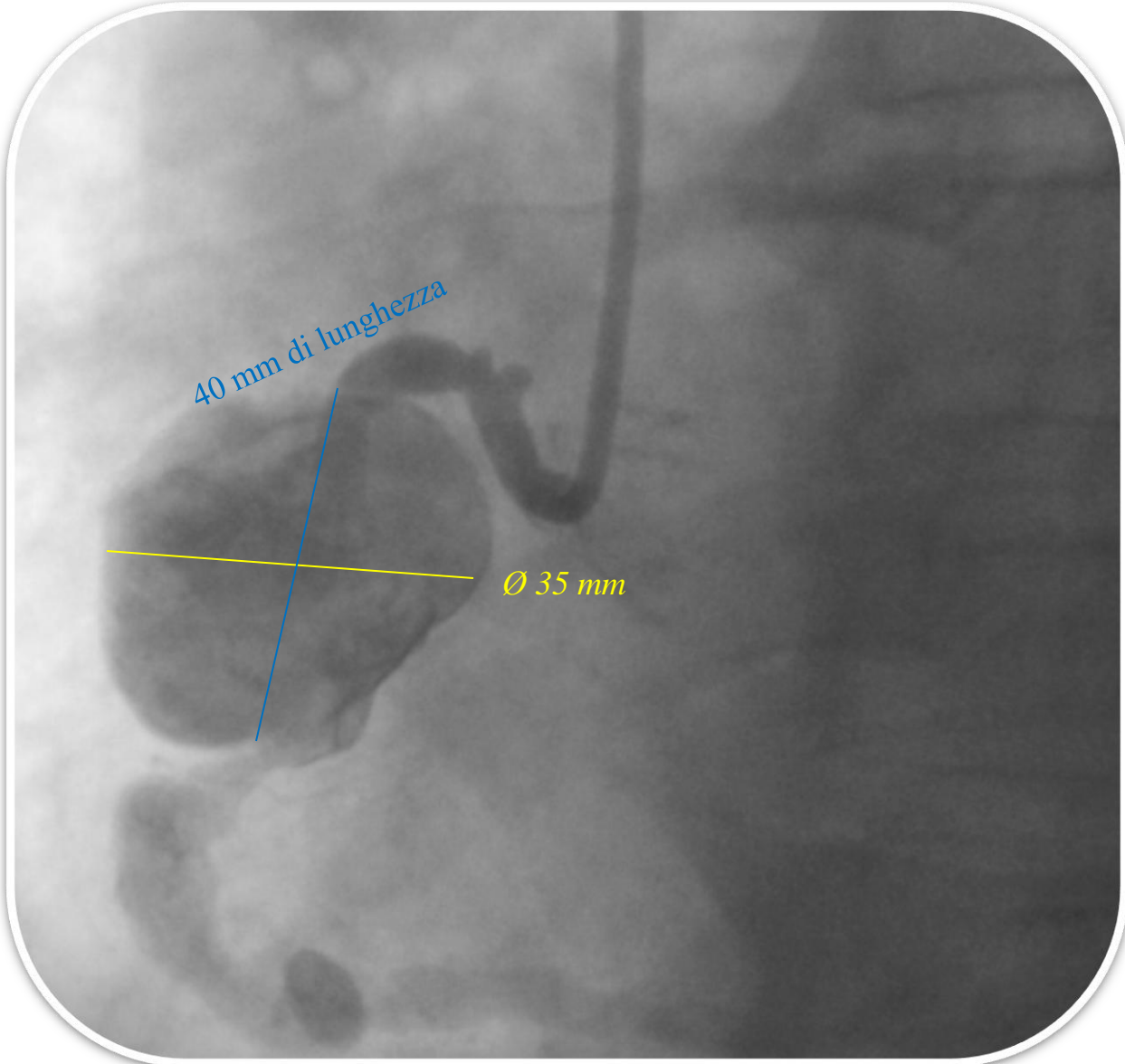
(cont...)

- The diagnostic angiography of RCA confirmed the CT images. The interventional procedure was carried out using the right femoral approach with a 24cm-8F sheath, and an Amplatz 1-8F guiding catheter.
- An hydrophilic 0.014” wire (Pilot 50, Abbott Vascular®) was advanced from the proximal segment of RCA and then through the CAA till the distal portion of the artery. The hydrophilic wire was exchanged with a more supportive one (Extra S’Port, Abbott Vascular®) using a microcatheter (Echelon, EV3®) (Fig 4). Two PCS (3.5 x 27 mm + 3.5 x 23 mm, Aneugraft®) were then deployed both at 16 atm atmospheres with overlapping obtaining the complete exclusion of the aneurysm.

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(cont...)

- A bare metal-stent (Driver 4.0 x 15 mm, Medtronic®) was implanted at the distal edge of the PCSs to fix a persistent tight stenosis, with a good final result (Fig 8). Immediately before interventional procedure aspirin 250 mg e.v. and unfractionated heparin 5000 IU e.v. were administered, and at the end a 600 mg clopidogrel orally loading dose was given.
- No periprocedural complication occurred and the patient was discharged 5 days later in dual anti-platelet therapy (aspirin 100 mg/die day plus clopidogrel 75 mg/die day for three months).

Aneurisma coronaria destra



Giant RCA Aneurysm

LEA PAOLO
2M,M,2877
3
Pos. paziente: HFS
Desc. studio:
Desc. serie: <VRT Collection>
< 606 - 3 >

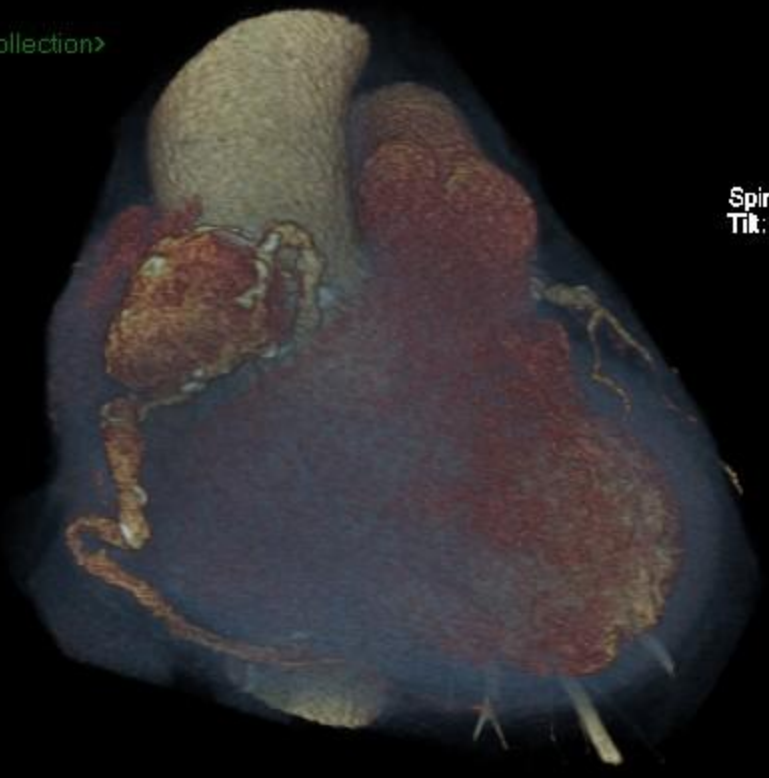
Con perdita

IRCCS POLICLINICO S. MA

SIEM

28/07/2009, 17.03.

62% Pixel

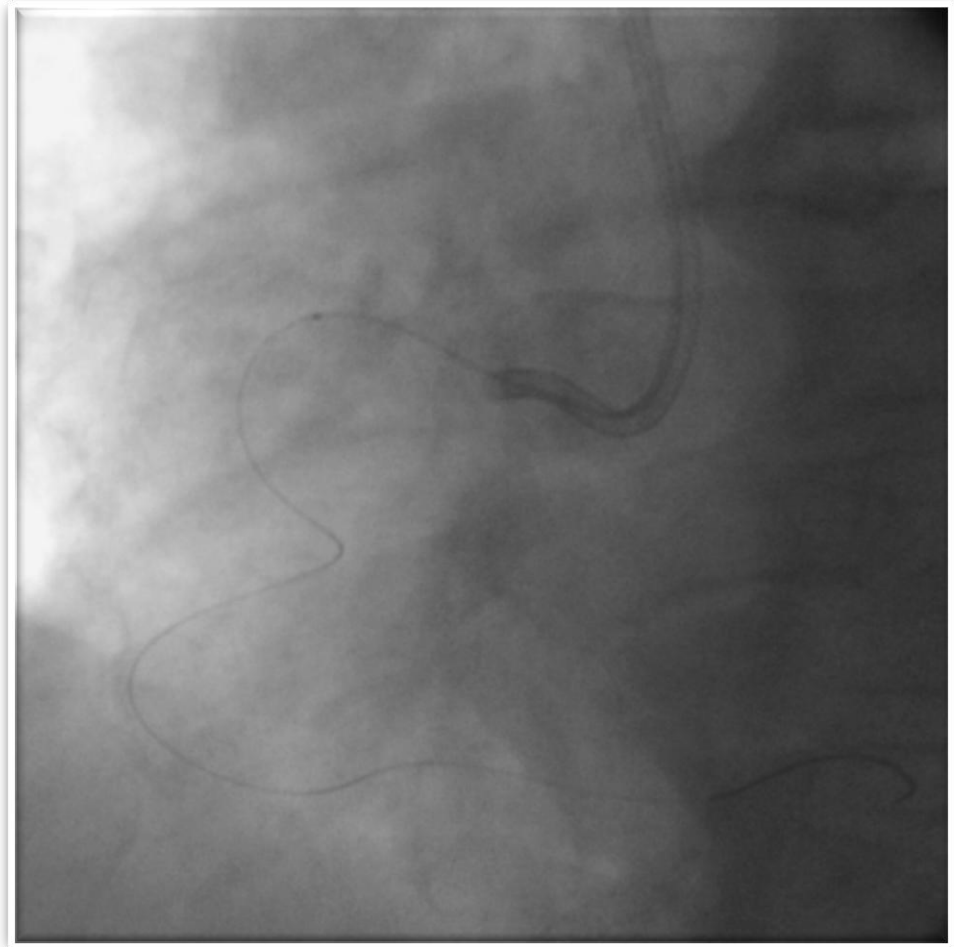


Spin: 8
Tilt: -21



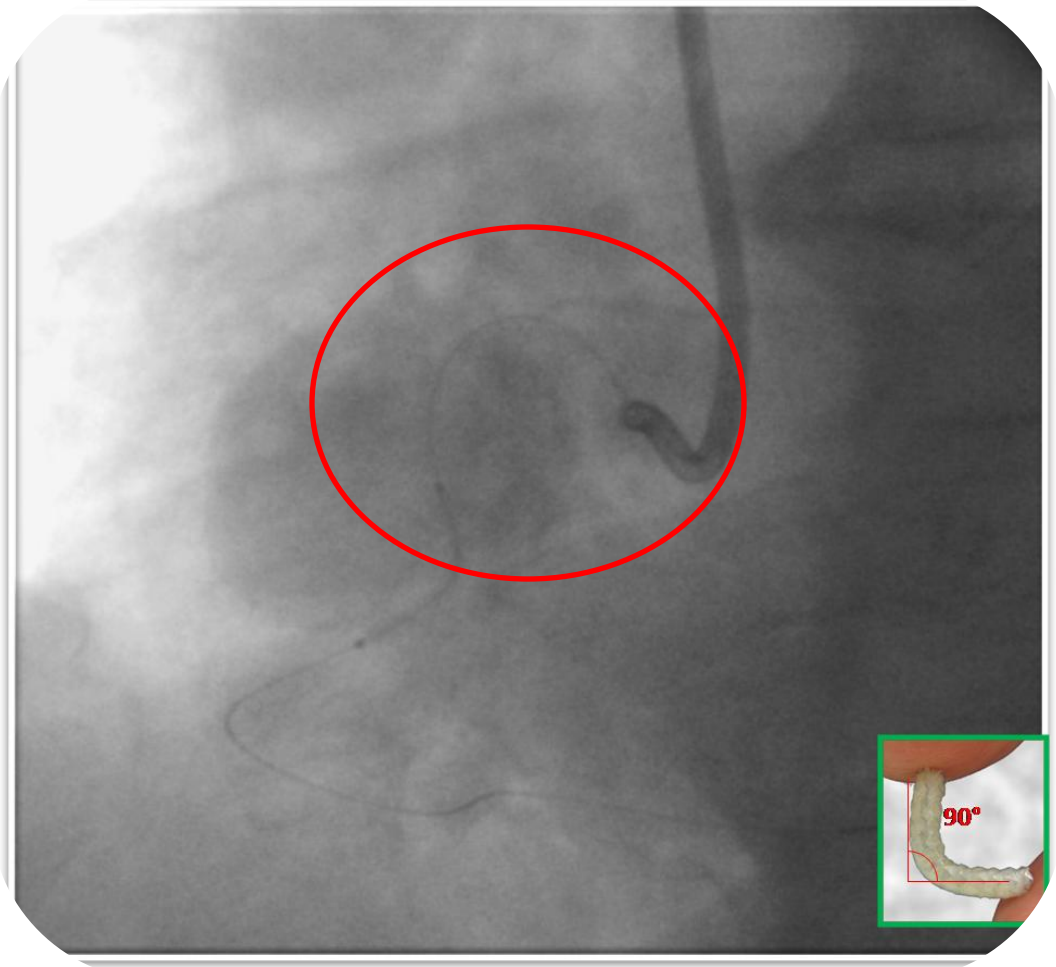
3,5 X 27

- *Posizionamento filo guida con tecnica “Trapping”*
- *Passaggio dello stent ANEUGRAFT*
- *Posizionamento dello stent distale*



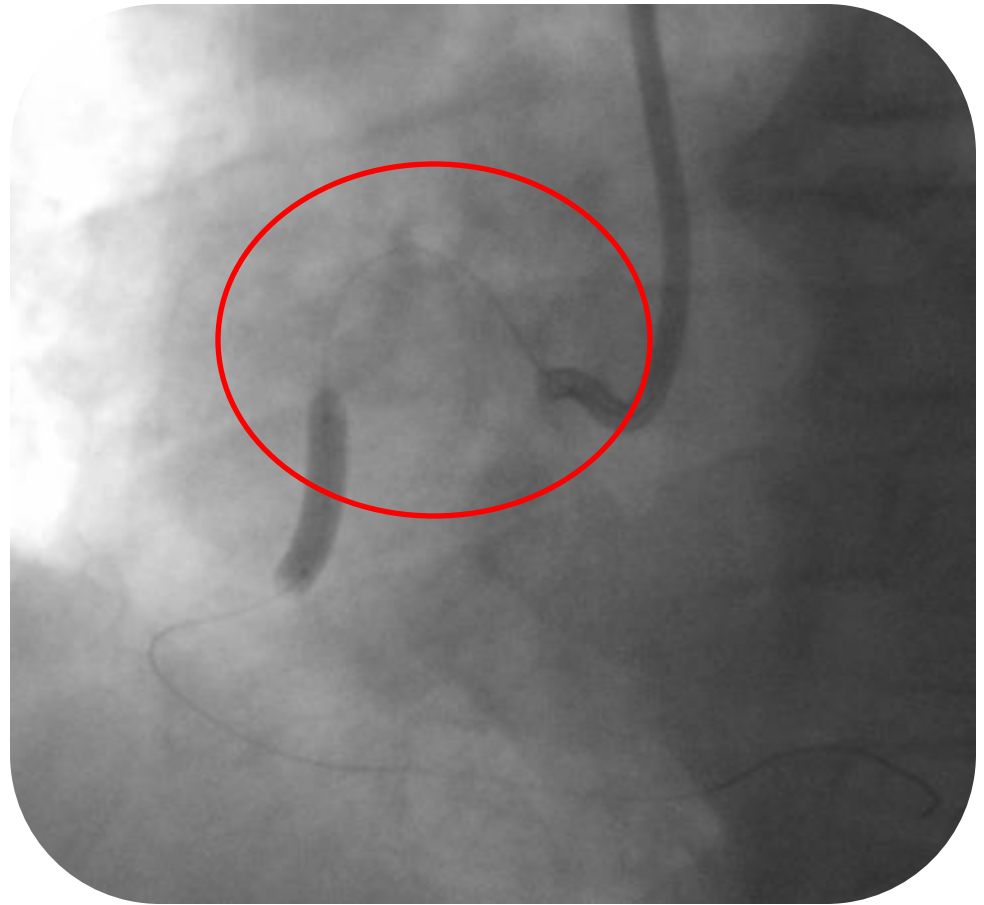
3,5 X 27

Distal Stent through tortuous anatomy and trough a 90 degree bend.



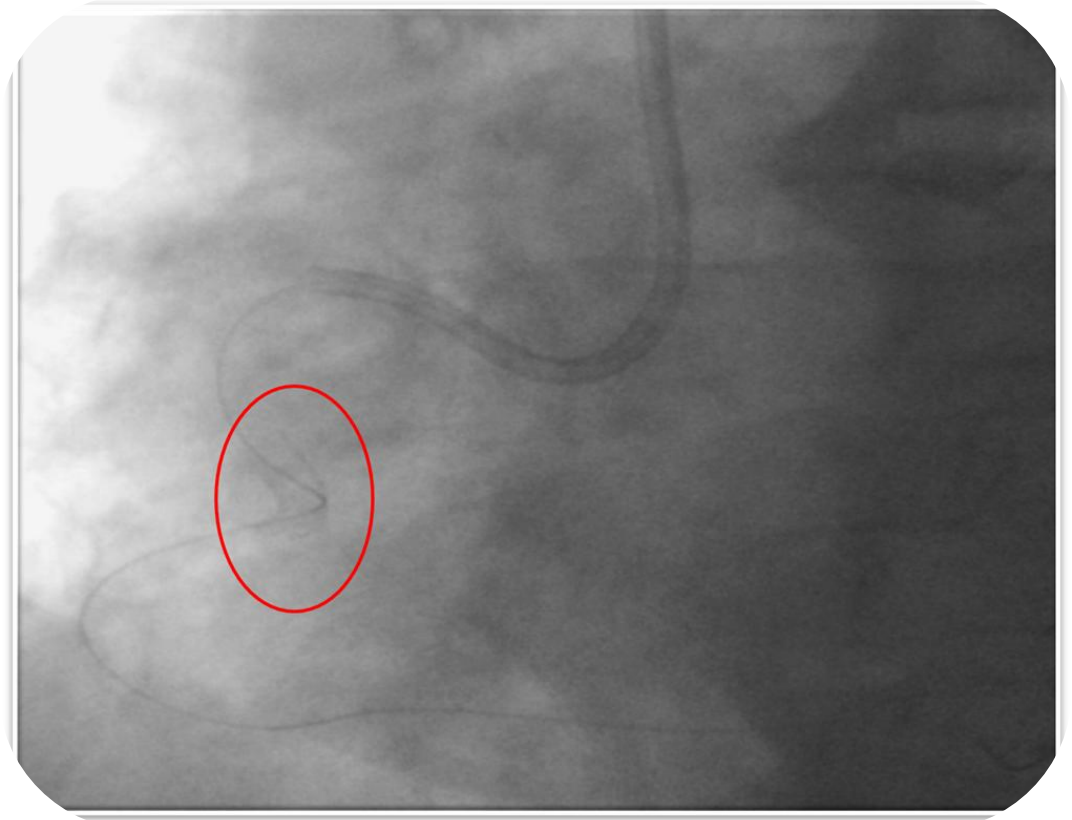
3,5 X 27

Stent deployed at 16 atm (3.91 mm diameter)



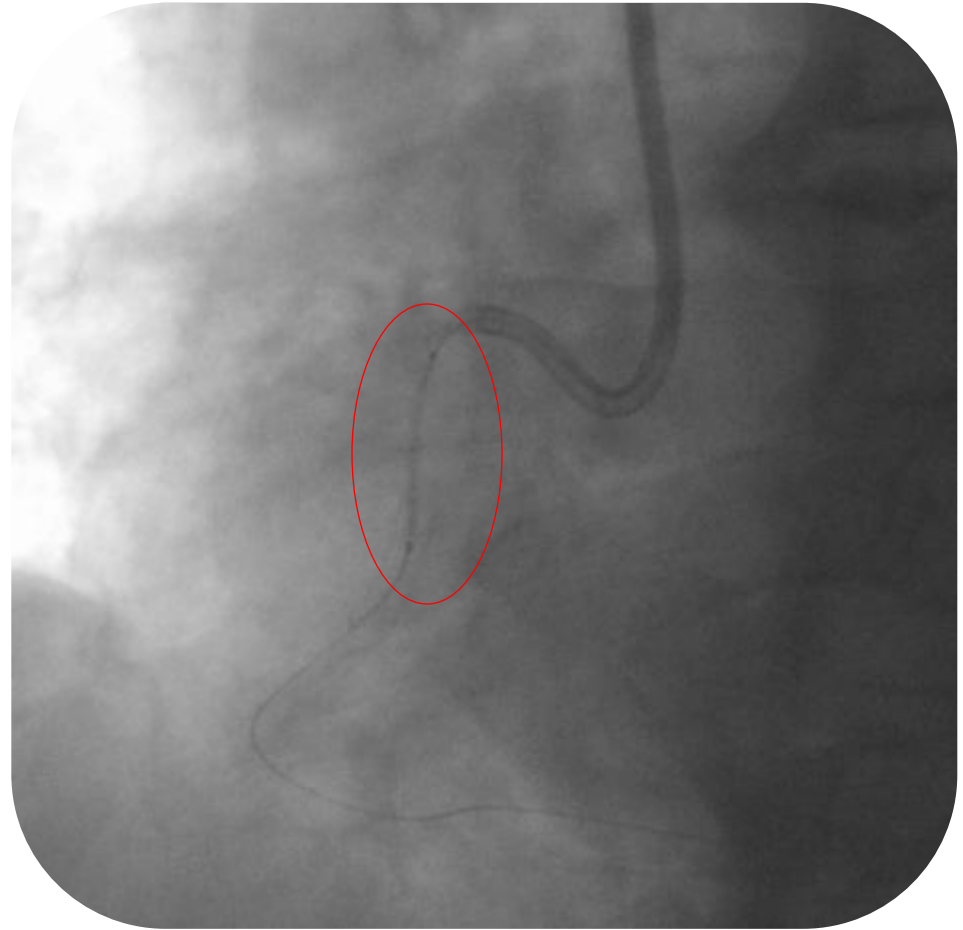
3,5 X 27

Stent conforms to the
vessel 90 degree shape.



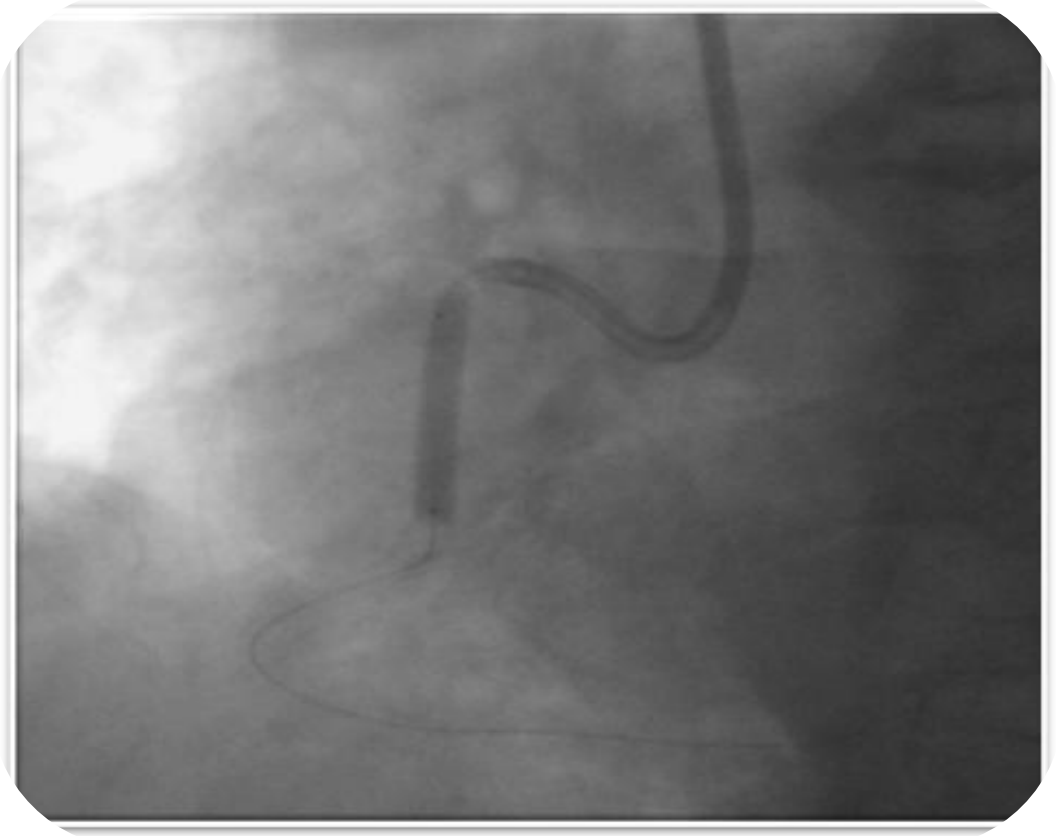
3,5 X 23

Positioned 2° stent overlaped
with the distal stent

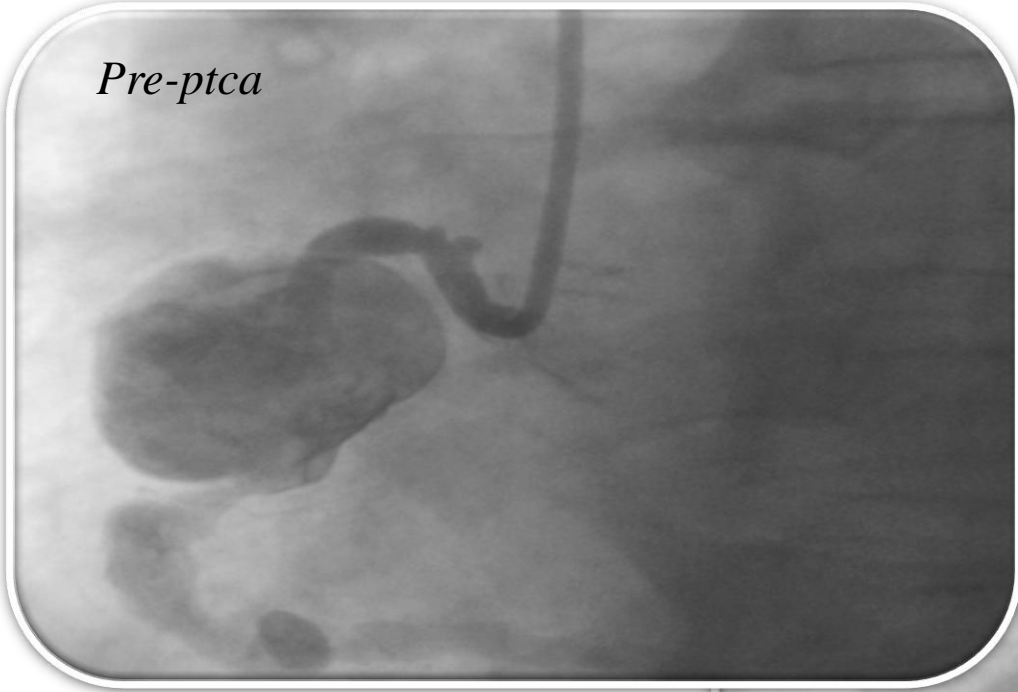


3,5 X 23

2nd stent fully deployed



Pre-ptca



Post-ptca

