



The 44th Annual International Congress of the
**EGYPTIAN SOCIETY OF
CARDIOLOGY**
CardioEgyt2017



CTO PCI – Retrograde approach

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- 53 year old male
- Systemic hypertension
- Smoker

- Angina pectoris CCSC III for 5 months
- CA: LCX severe stenosis, totally occluded RCA, moderate LAD stenosis

- PCI to LCX using DES, failed trial of PCI to RCA

- Still symptomatic





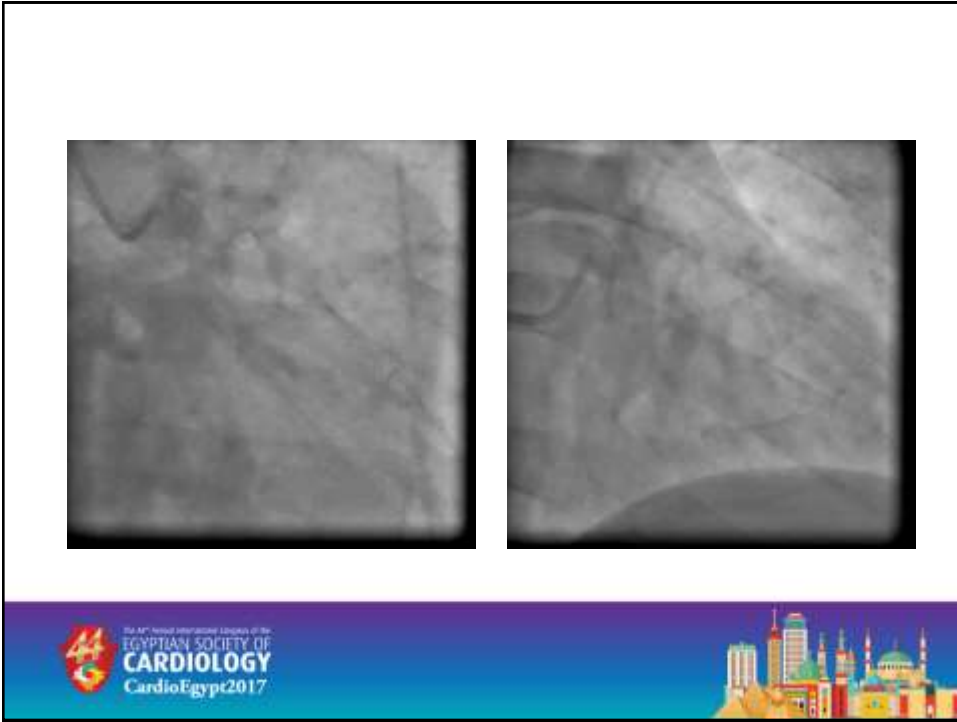
Echocardiography:

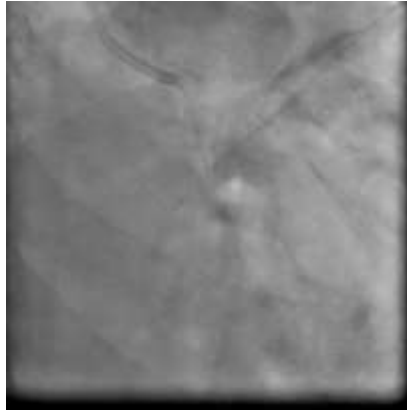
- Concentric LVH (EF 58%)
- No RWMA
- Mild MR

Laboratory work up:





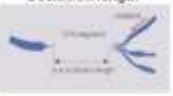
- Hb 13 gm/dl
- Creatinine 0.9 mg/dl
- HbA1C: 6
- LDL-cholesterol 90 mg/dL







J-CTO score 2

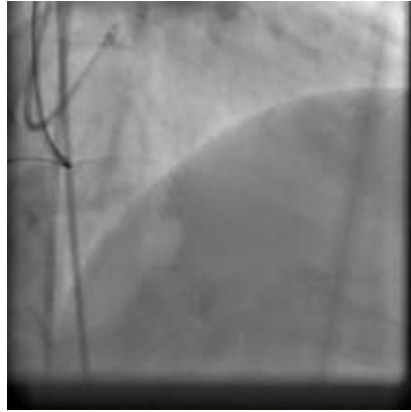
Variables and definitions		
Tapered 	Blunt 	Entry shape <input type="checkbox"/> Tapered (0) <input type="checkbox"/> Blunt (1) point
Calcification 	Regardless of severity, 1 point is assigned if any evident calcification is detected within the CTO segment.	Calcification <input type="checkbox"/> Absence (0) <input type="checkbox"/> Presence (1) point
Bending > 45degrees 	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.	Bending > 45° <input type="checkbox"/> Absence (0) <input type="checkbox"/> Presence (1) point
Occlusion length 	Using good collateral images, try to measure "true" distance of occlusion, which tends to be shorter than the first impression.	Occl.Length <input type="checkbox"/> < 20mm (0) <input checked="" type="checkbox"/> ≥ 20mm (1) point
Re-try lesion Is this Re-try (2 nd attempt) lesion? (previously attempted but failed)		Re-try lesion <input type="checkbox"/> No (0) <input checked="" type="checkbox"/> Yes (1)



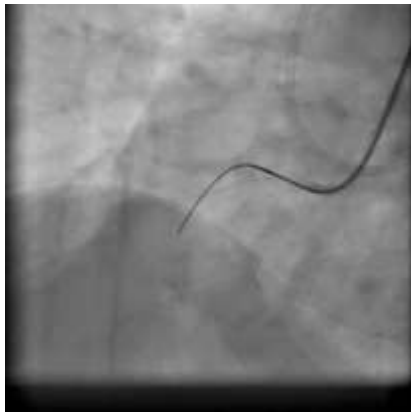
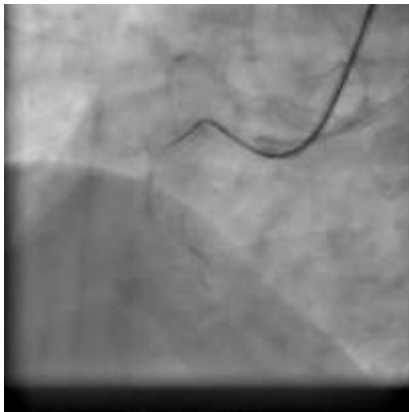


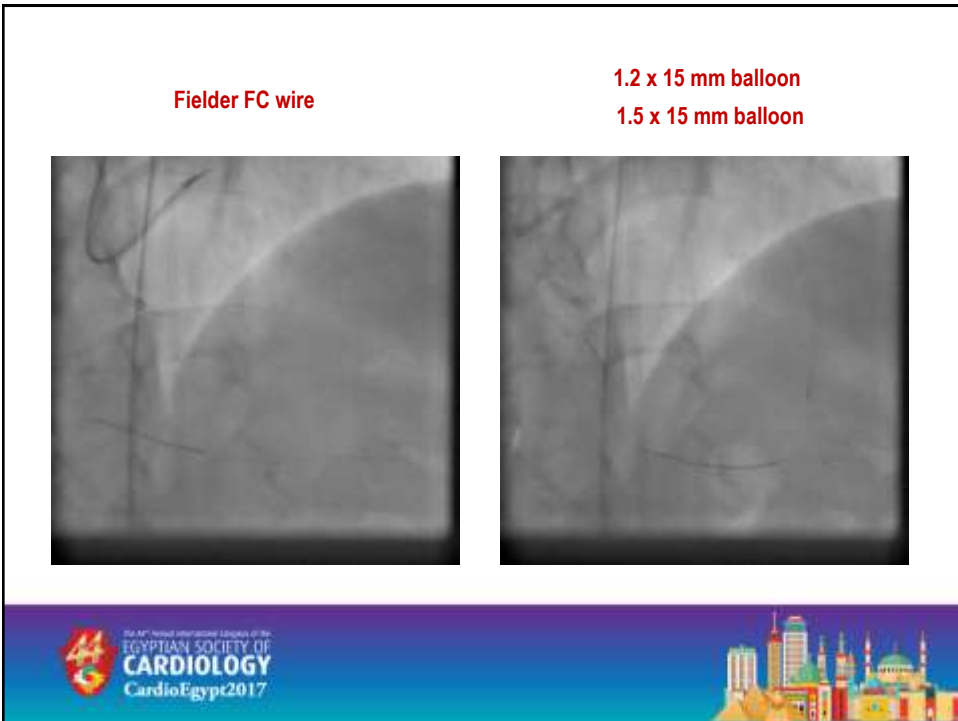
Werner Classification

- A. CCJ=no visible connection between donor and recipient artery
- B. CCJ=continuous, thread-like connection
- C. CCJ=small side branch-like size of the channel



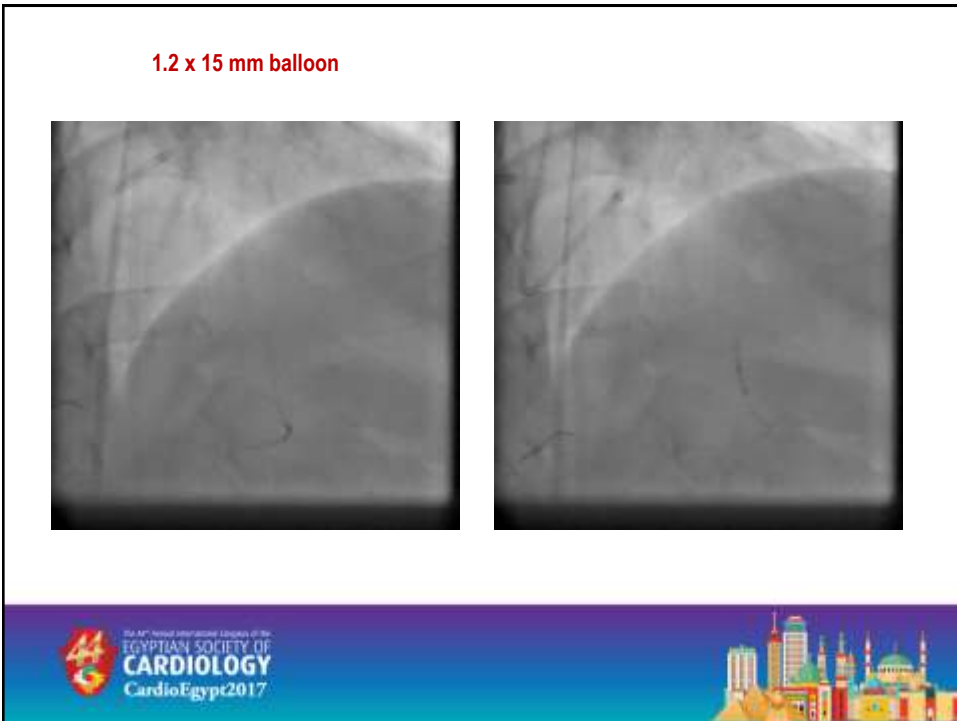
Fielder XT wire
Gaia second
Miracle 6

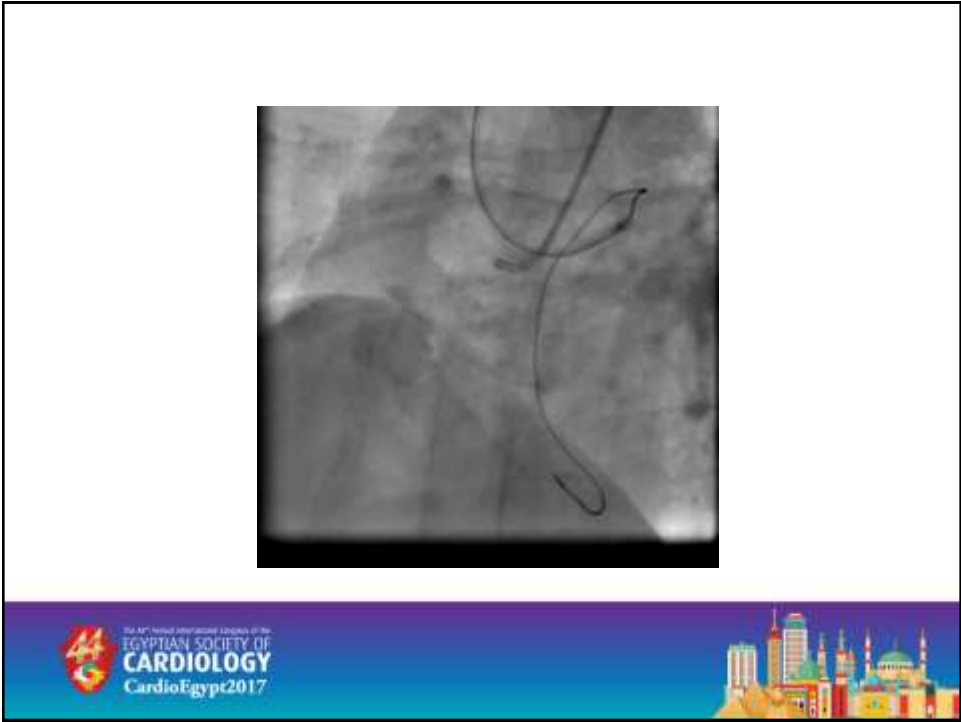




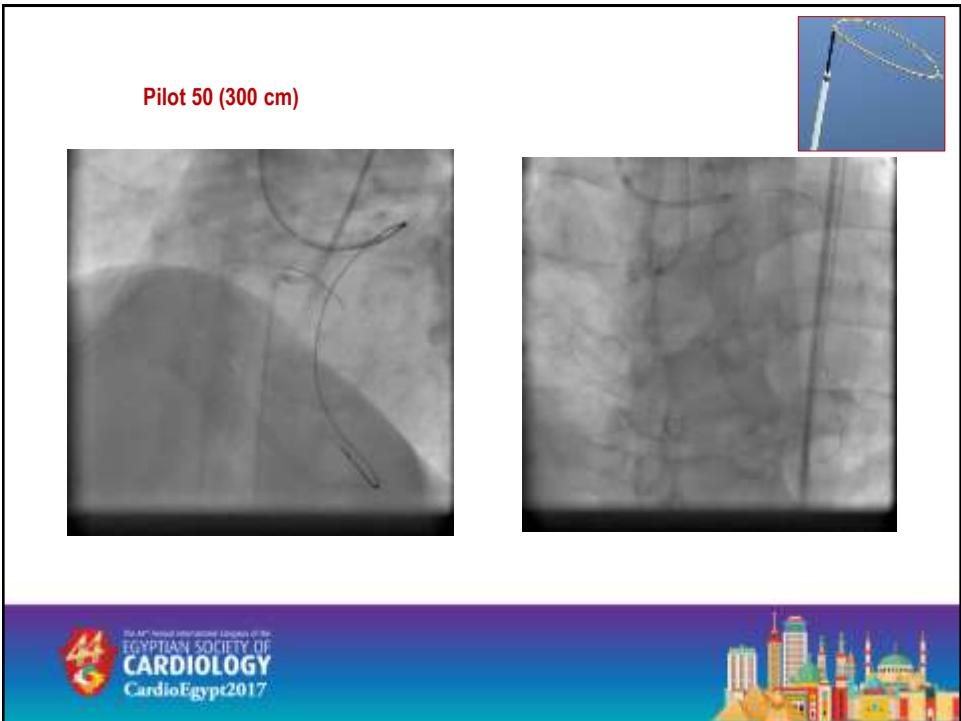


1.2 x 15 mm balloon





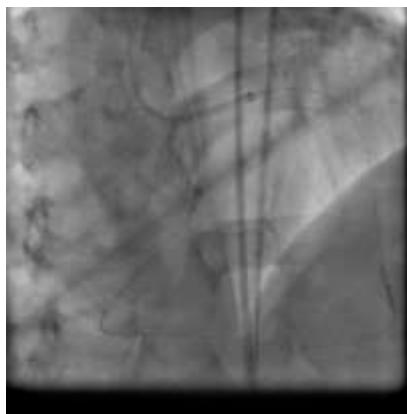
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1.5 x 15 mm balloon



2,25 x 20 mm balloon

