

# Primary PCI

DR:MOHAMMED SALAH

3 / 2015



# CASE 1

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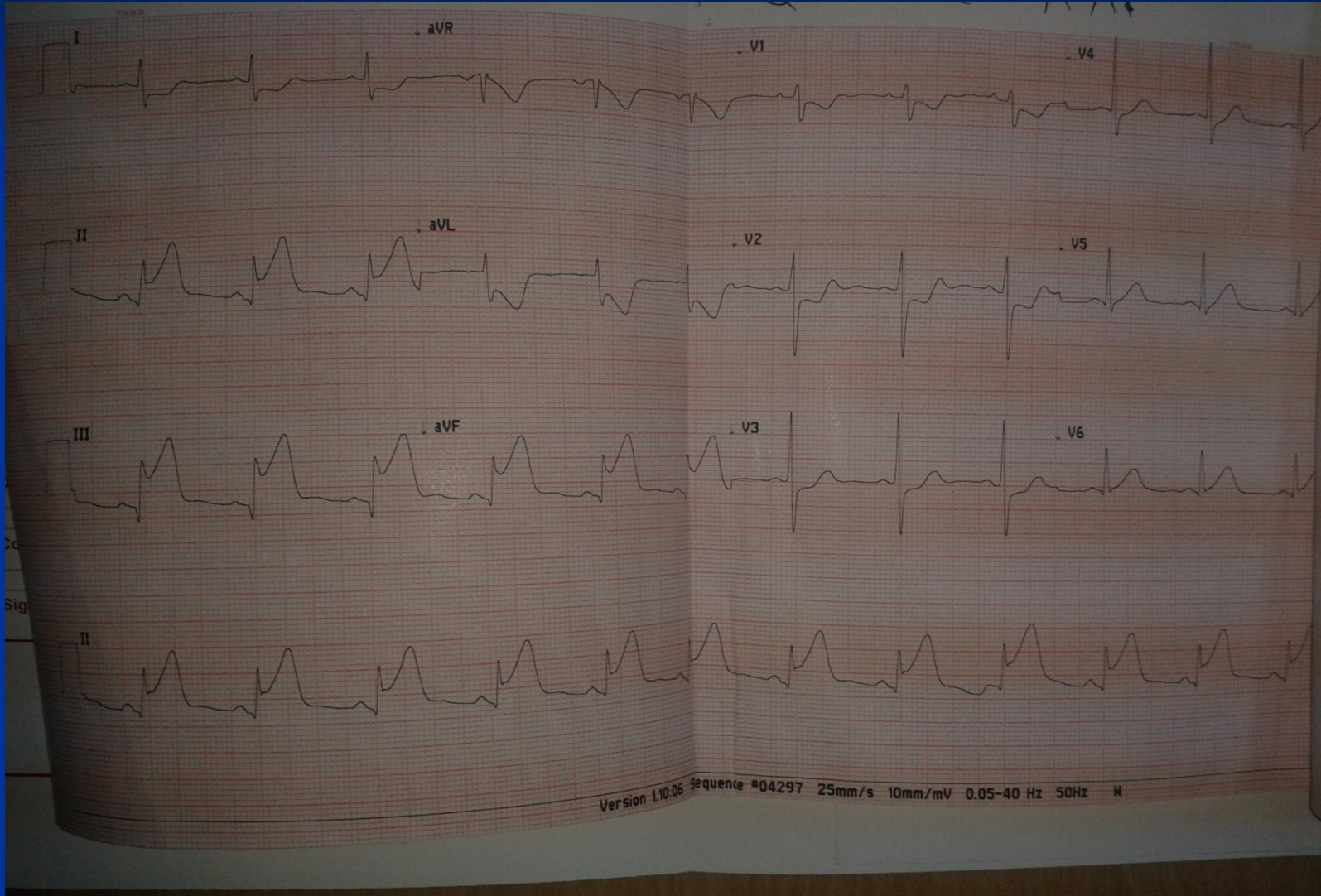
- Male patient , 60Y.
- Heavy Smoker , Dyslipideamia
- Presented by Severe new onset chest pain since 10 min.

# EXAMINATION

- BP 140 - 90 mmHg
- Rate 55 b.-Min.
- Equal pulse on both sides
- **ECG** : Recent infero-posterior wall MI
- **ECHO**: RSWMA of inferior wall, EF=58%



# ECG





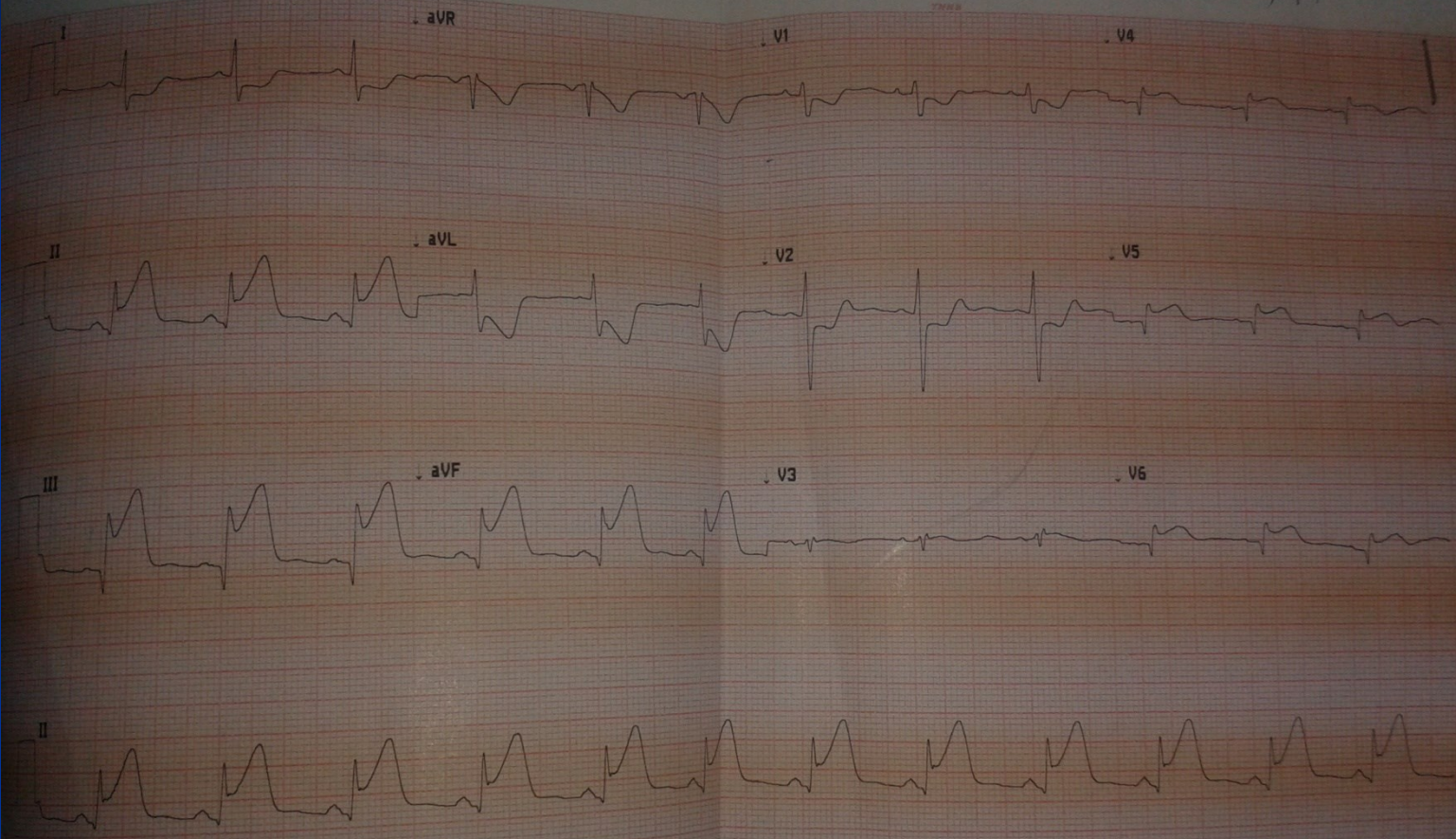
QTcF:

429 ms  
414 ms

RT

CAI

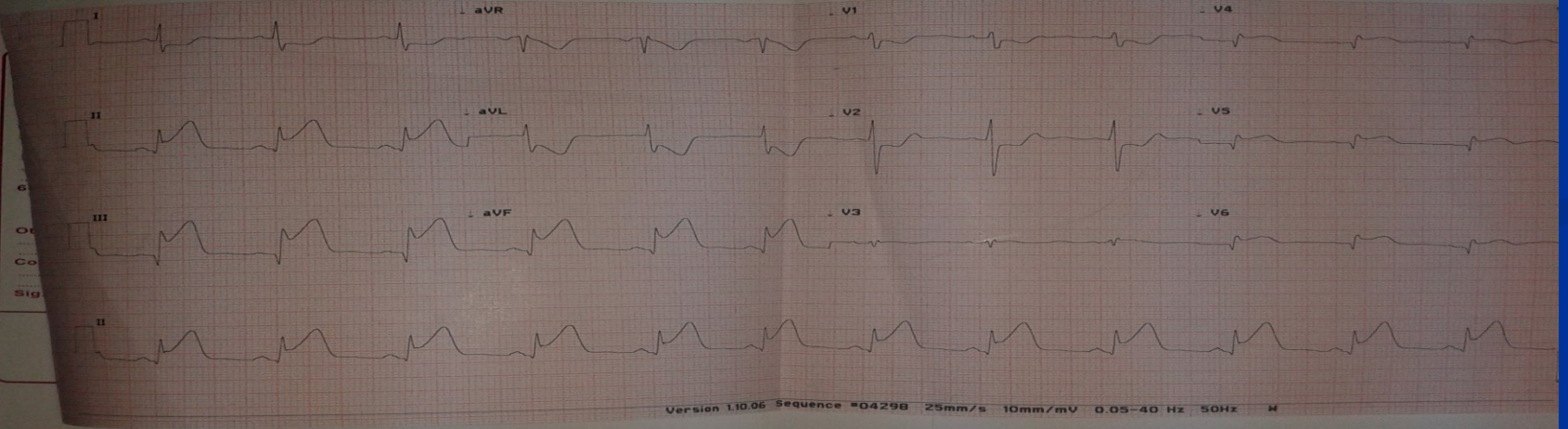
2.10/2/11



P-P-T axis: SR 77 on  
P-R-T axes: 57 71 91  
AV9 RR: 804 ms  
QTcB: 429 ms  
QTcF: 414 ms

RT

منور الدين حسن عثمان  
1  
2012/10/2

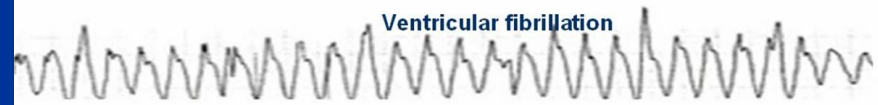




# MANEGMENT

- 600 mg Clopidogrel
- 300 mg aspirin
- 80 mg statin

Time as a therapeutic target in Acute myocardial infarction



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- Transfer to cath-lab within 45 min.
- Preparing GPIIbIIIa(Eptifebatide)



NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 1 (1/61)  
W/C: 229/120  
kV/mA: 69/578

NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 2 (1/48)  
W/C: 229/120  
kV/mA: 74/763

NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 3 (1/50)  
W/C: 229/120  
KV/mA: 87/831



NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 4 (1/46)  
W/C: 229/120  
kV/mA: 72/685

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NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 5 (1/35)  
W/C: 225/120  
KV/mA: 75/750

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**7F Guiding JR4**

NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
img: 6 (1/100)  
W/C: 229/120  
kV/mA: 82/883

**RUNTHROUGH F**

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NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 7 (1/132)  
W/C: 229/120  
kV/mA: 88/822

NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 8 (1/93)  
W/C: 229/120  
KV/mA: 87/829

**IC GP IIIb IIIa I**

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NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Imag: 12 (1/51)  
WIC: 229/120  
KV/mA: 89/814

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**Resolute Integrity(DES) 2.75X22**



NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 13 (1/56)  
W/C: 229/120  
kV/mA: 98/734

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NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 14 (1/54)  
W/C: 229/120  
kV/mA: 99/737

NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
Img: 15 (1/39)  
W/C: 229/120  
kV/mA: 81/891

NOOR EL-DIN HASSAN ETMAN  
ID: Date 2015 03 11 Time 02 17 21  
11/03/2015  
img: 16 (1/70)  
W/C: 229/120  
kV/mA: 110/661

- Transfemoral approach
- 7F JL4 & Guiding JR4 & standby 6F venous sheath
- Non significant lesion of LT system
- RCA : Totally occluded by large thrombus
- RunThrough F wire
- 180Mg loading IC GPIIbIIIaI (Eptifebatide)
- Direct stenting (Resolute Integrity 2.75X22)



# Post PCI Follow Up

- Improvement chest pain
- Sinus rhythm with no arrhythmia.
- ST evolution



**CASE 2**

## CASE 2

- Male Patient , 69Y.,
- Heavy smoker
- Presented by severe persistent chest pain since 2H.
- **ECG**: Wellen syndome
- **ECHO**: RSWMA (LAD territory) , EF= 60%

- 600Mg loading Clopidogrel
- 300 mg Aspirin
- 80 mg Statin
- Transfer for cath-lab

ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 1 (1/69)  
W/C: 256/128  
kV/mA: 81/885



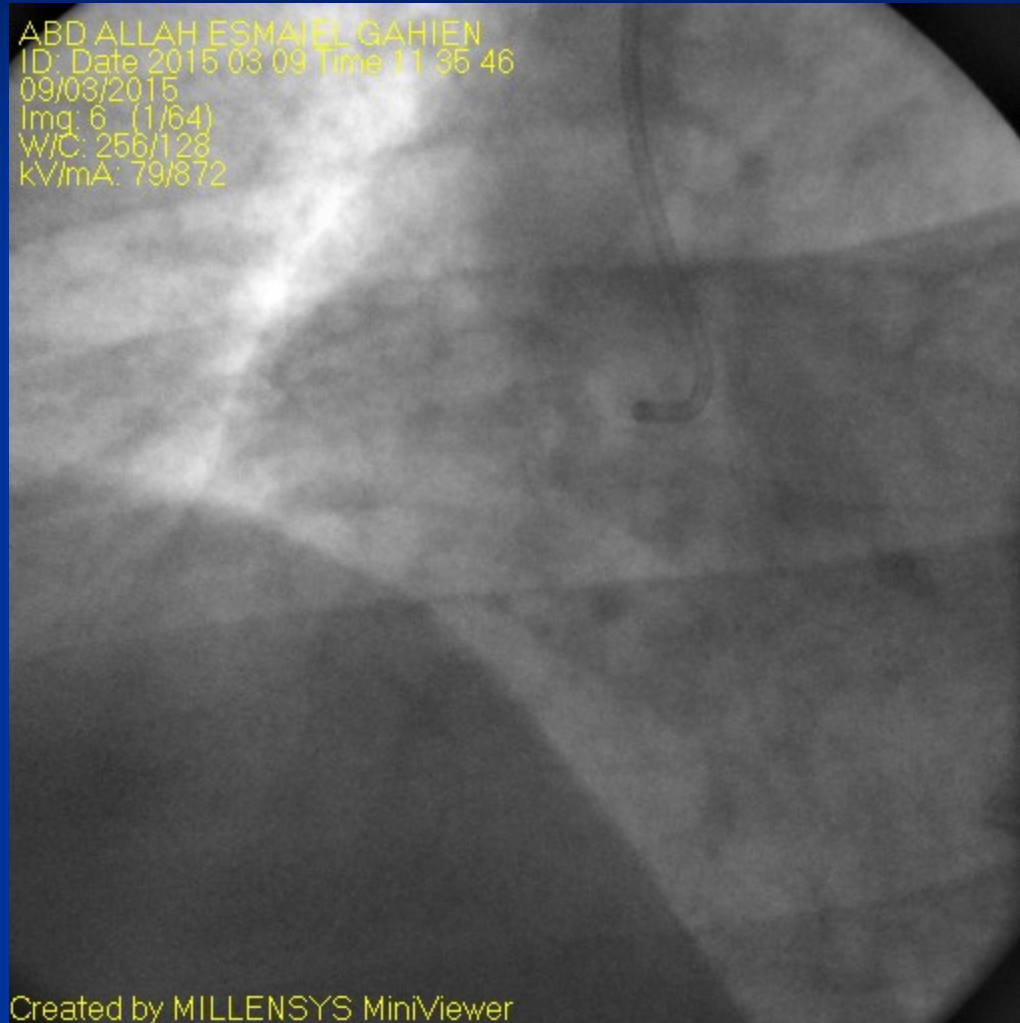
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ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 3 (1/63)  
W/C: 256/128  
KV/mA: 105/685

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 4 (1/68)  
W/C: 256/128  
KV/mA: 91/797

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 6 (1/64)  
W/C: 256/128  
kV/mA: 79/872



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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 7 (1/75)  
W/C: 256/128  
kV/mA: 89/829

**RUN THROUGH F**

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ABD ALLAH ESMATEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 8 (1/79)  
W/C: 256/128  
kV/mA: 86/845

**GPIIbIIIaI**

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 9 (1/18)  
W/C: 256/128  
kV/mA: 82/883

**STMI ASPIRATION CATH**

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 11 (1/33)  
W/C: 256/128  
kV/mA: 80/882



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ABD ALLAH ESMAIEL GAHIEM  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 12 (1/75)  
W/C: 256/128  
kV/mA: 83/879

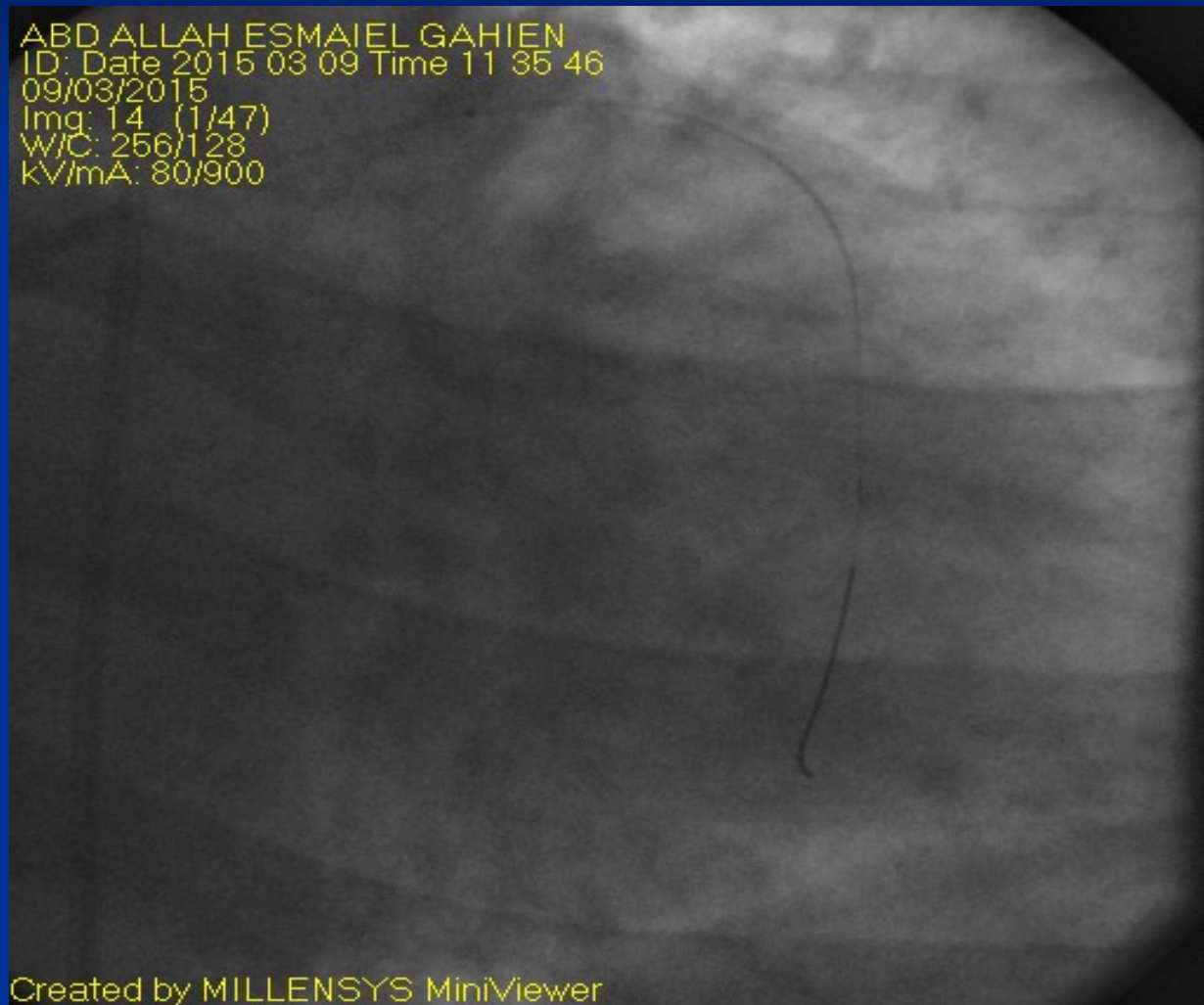
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ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 13 (1/107)  
W/C: 256/128  
kV/mA: 78/800

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 14 (1/47)  
W/C: 256/128  
KV/mA: 80/900

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 15 (1/53)  
W/C: 256/128  
kV/mA: 77/805

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ABD ALLAH ESMAIEL GAHIEN  
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09/03/2015  
Img: 18 (1/66)  
W/C: 256/128  
KV/mA: 101/718

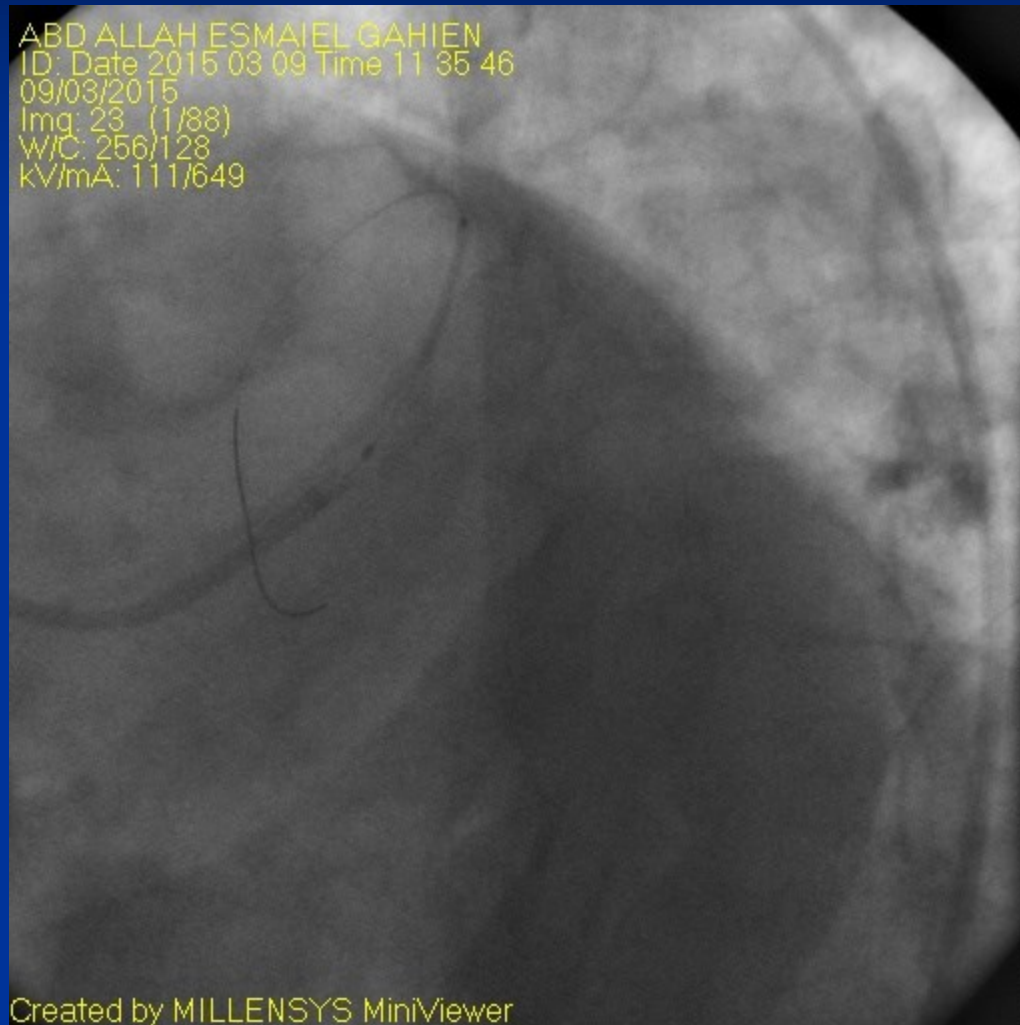
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ID: Data 2015 03 09 Time 11:35:45  
09/03/2015  
Img: 22 (1/37)  
W/C: 256/128  
kV/mA: 109/662

Xience Prime (DES)2.75X38

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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 23 (1/88)  
W/C: 256/128  
KV/mA: 111/649



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ABD ALLAH ESMAIEL SAHIEN  
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Img: 24 (1/43)  
W/C: 256/128  
kV/mA: 113/641



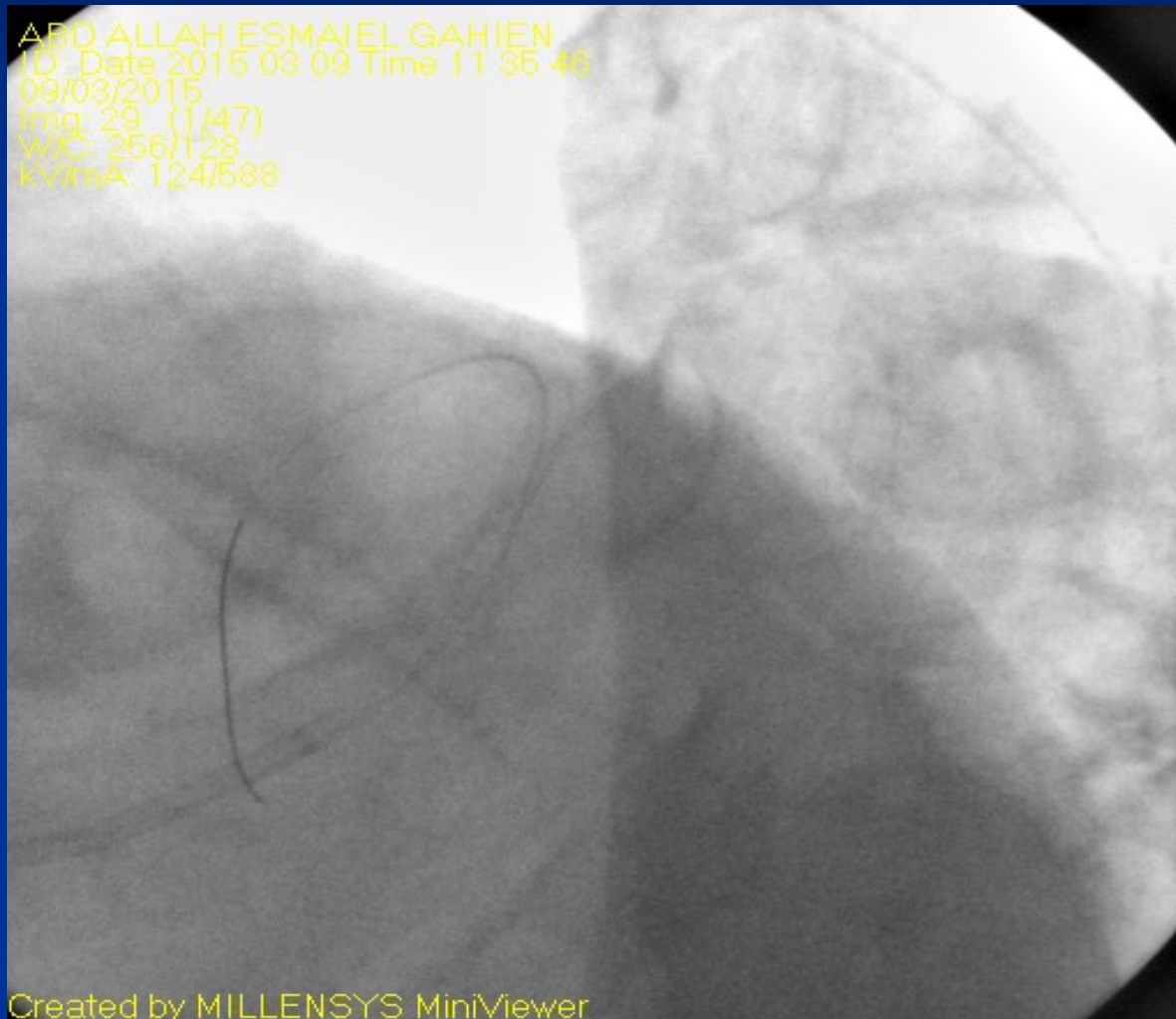
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KV/mA: 111/650



ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 26 (1/48)  
W/C: 256/128  
kV/mA: 114/635

Created by MILLENSYS MinViewer

ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
img: 29 (1/47)  
W/C: 256/128  
KV/mA: 124/588



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ABD ALLAH ESMAIEL GAHIEN  
ID: Date 2015 03 09 Time 11 35 46  
09/03/2015  
Img: 30 (1/63)  
W/C: 256/128  
KV/mA: 101/722

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- Transfemoral access
- JL4 & 3DRC
- Totally occluded LAD from its ostium, LAD to its proximal segment filled retrograde from collaterals of LCX
- Runthrough F wire
- 180Mg IC GPIIb IIIa I
- STEMI aspiration catheter frequent times
- Reloading 180 Mg IC GPIIbIIIa I
- Stenting (Xeince Prime 2.75X38)

# Take Home Message

- Successful Primary PCI is **superior**
- Coordinated well equipped Team of PPCI = Successful PPCI
- The timing is the **Muscle**.
- The Muscle is the **Life**.
- The most familiar wire is the horse wire
- **Coronary thrombus** is flare.
- **GPIIb/IIIa** & **Thrombus aspiration** catheter in cath-Lab are always effective in PPCI with large thrombus burden
- Be **patient** before stenting with thrombus residual



**THANK YOU**

