

Iliac Vein Stenting In The Context of Acute Ilio- Femoral DVT

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Disclosure

Speaker name:

.....Rashad Bishara.....

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

I do not have any potential conflict of interest

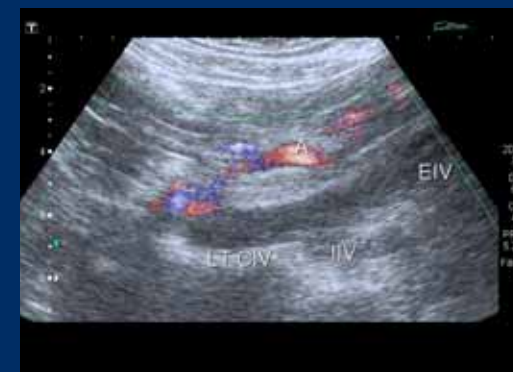
29 years old female

Severe edema of the left lower extremity extending up to the groin

Five days duration

Was on contraceptive pills

Duplex: thrombotic occlusion of the left EIV & CIV



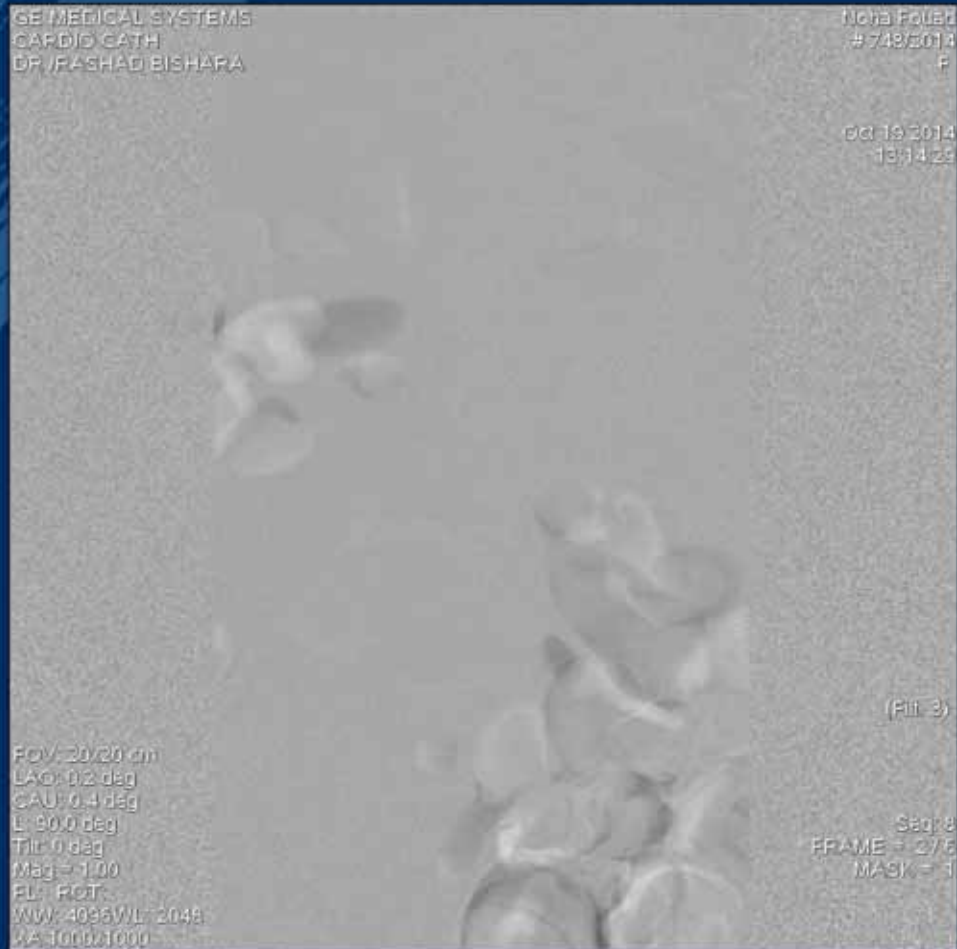
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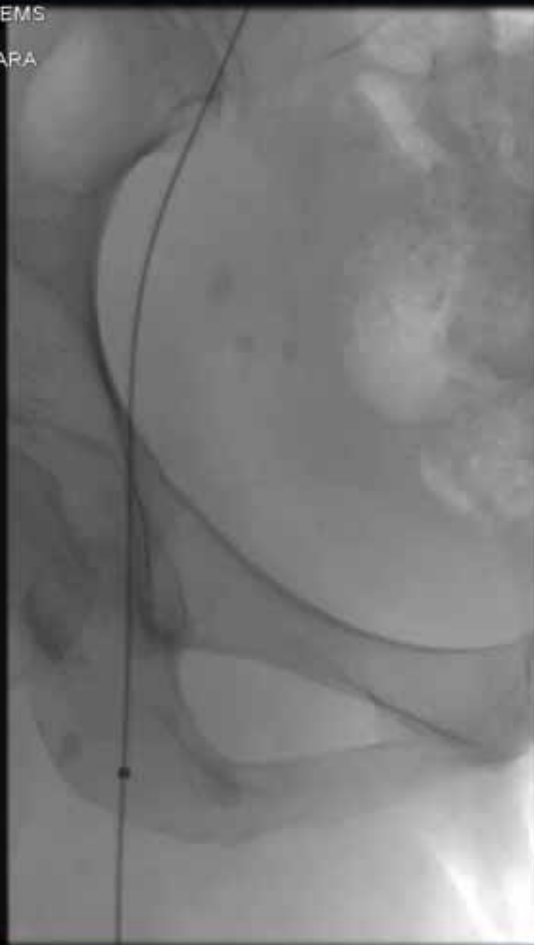
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GE MEDICAL SYSTEMS
CARDIO CATH
DR /RASHAD BISHARA

Noha Fouad
748/2014
F

Oct 19 2014
13:17:44



(Filt. 3)

FOV: 20x20 cm
LAO: 0.2 deg
CAU: 0.4 deg
L: 90.0 deg
Tilt: 0 deg
Mag = 1.00
FL: ROT;
WW: 1344WL: 746
XA 1000x1000

Seq: 10
FRAME = 10

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GE MEDICAL SYSTEMS
CARDIO CATH
DR. RASHAD BISHARA

Nota F0182
749/2014
F

09/20/2014
22:39:05

(Flt. 3)

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LAD: 0.6 deg
CAU: 0.7 deg
L: 0.4 deg
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GA 1000:1000

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FRAME = 3 / 13
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GE MEDICAL SYSTEMS
CARDIO GATH
DR / RASHAD BISHARA

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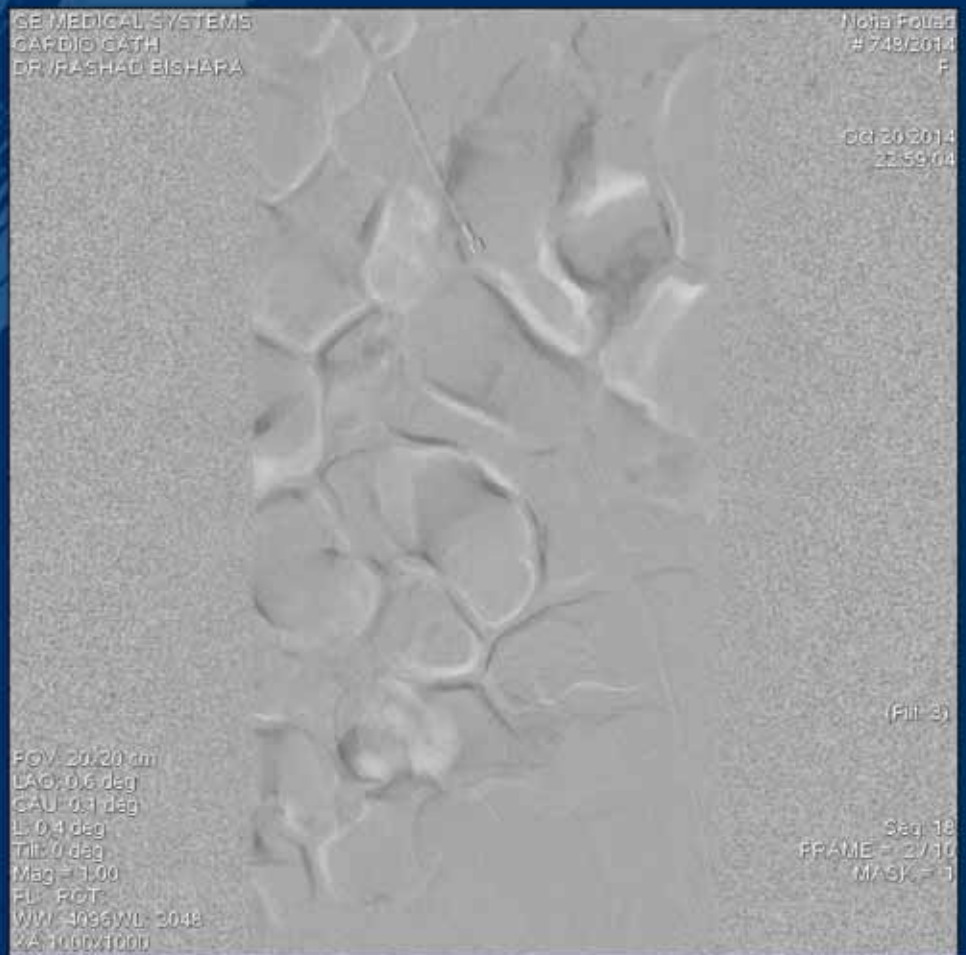
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VA 7000/1000

(FIL 3)

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GE MEDICAL SYSTEMS
CARDIO CATH
DR /RASHAD BISHARA

Noha Fouad
748/2014
F

Oct 20 2014
23:13:24



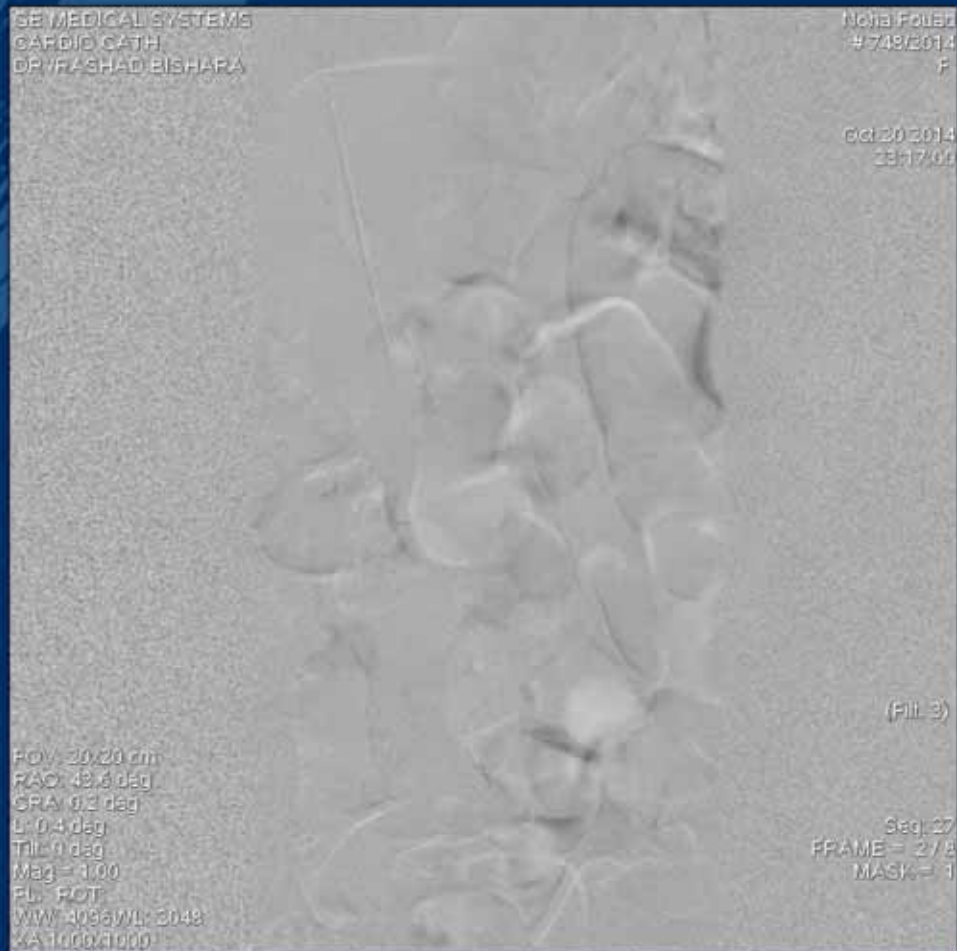
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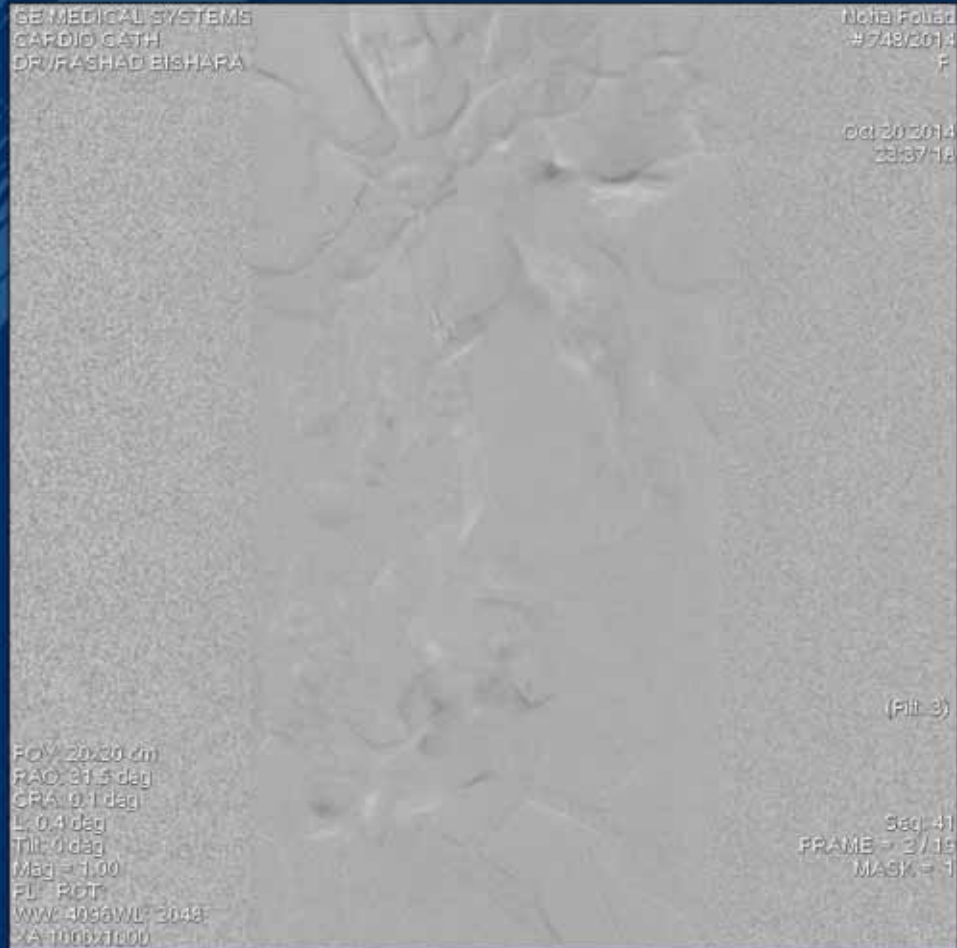
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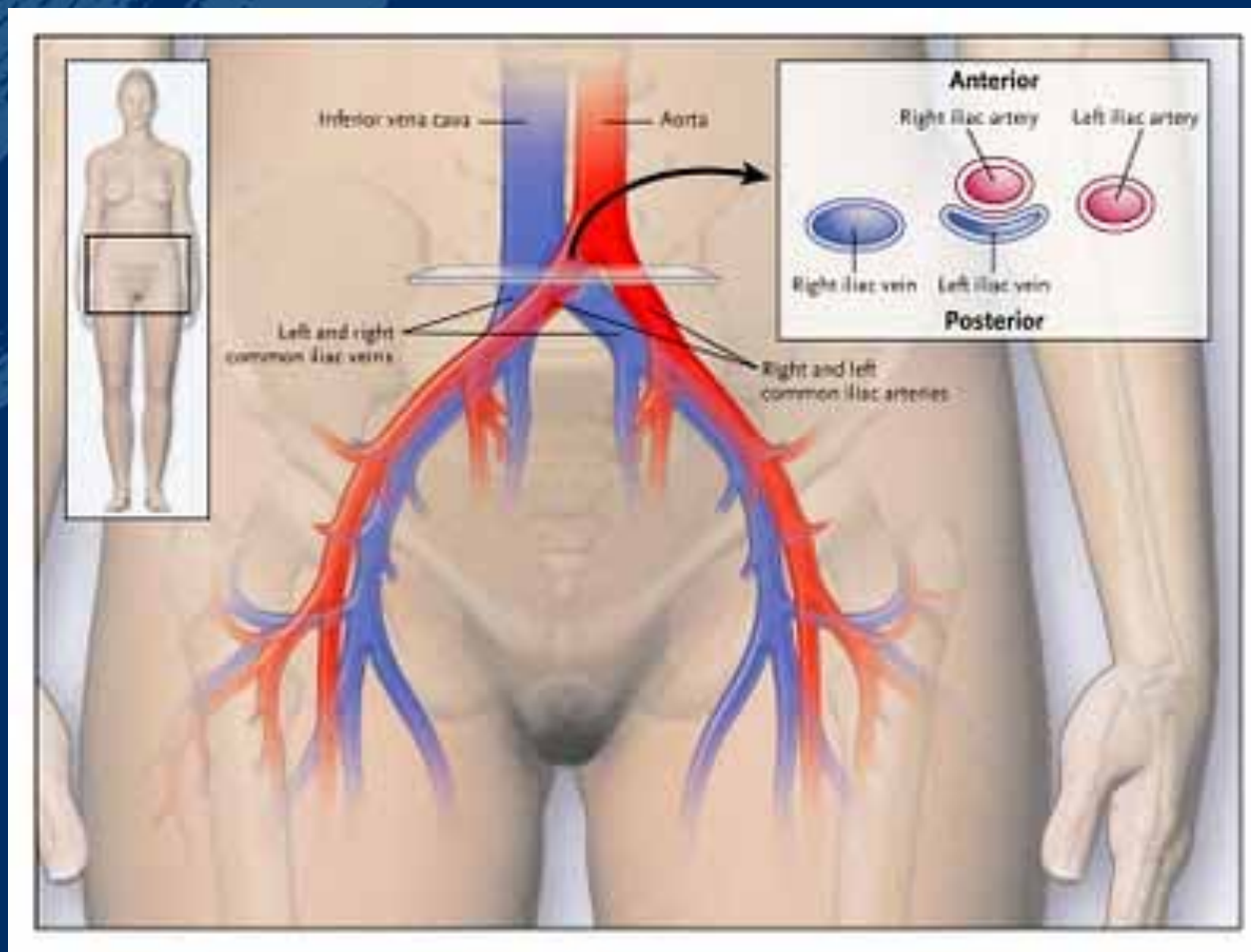


ILIAC VEIN COMPRESSION SYNDROME

PRESENTING WITH

ACUTE ILIO-FEMORAL DVT

Iliac Vein Compression Syndrome May -Thurner Syndrome Cockett Syndrome



May R, Thurner J, Angiology 1957, Cockett & Thomas
1965

Clinical Data

Thrombolysis for DVT	62
Iliac Vein Stent	18 (29%)
Age	34.5 (17-52)
Gender	M=8 F = 10
Co-morbidities	2
Side	Left: 17 Right: 1

Protocol of Thrombolysis



- US guided access into POPV
- Wire Crossing Test
- Determine the extent of thrombus
- Insert thrombolytic catheter
- Inject TPA
- Pulse spray injection
- Half hour intervals

Protocol of Thrombolysis



- Duplex follow up every 12 hours
- Completion venogram
- Iliac vein stent for residual stenosis

Technical Tips for Iliac Vein Stenting



- Access: CFV Duplex Guided
- Imaging: multiple fluoroscopic angles
- Crossing: wire loop
- Stent: Self expanding Nitinol
- Stent size: 14-16mm
- Stent length: >60mm
- Position: proximal end of stent into the IVC
- Balloon 12-16mm
- Anticoagulation 6 months post-stent

Results

- Technical success: 100%
(1 case stent embolization)
- Occlusions: 2 (11%)
- Long-term Patency: 16/18 (89%)
- Duration of follow up: 2.24 years
(6m-10y)

Literature Review

- Iliac Vein Compression presenting with DVT
- Six studies 113 patients
- Majority females 72%
- Technical success rate 95%
- Patency 96% at 1 year

Moudgill N et al, Vascular 2009

Long-term Outcome Of Iliac Vein Stents



- Review of all publications till 2013
- 1500 patients with iliac vein stents
- Negligible morbidity $<1\%$
- Patency of stents for non thrombotic disease:
 - 90-100% at 3-5 years
- Patency of stents for thrombotic disease:
 - 74%-89% at 3-5 years

Conclusion

Iliac Vein Stenting
For Iliac Vein Compression Syndrome
Complicated by Ilio-Femoral DVT
Is safe procedure
with excellent long-term results

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Thank You

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Thank You