

A Case Presentation A Review of Literatures

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Presented by

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CASE

- ▶ A 62 Y / O male PT.
- ▶ IDDM , HT , Ex-Smoker
- ▶ History of Aorto-Iliac occlusive disease for which two balloon mounted kissing stents had been inserted at the bifurcation of the aorta and a one self-expandable stent in left EIA one year ago



PRESENTED WITH :

- **Bilateral CLI**
 - Rest pain
 - Tissue loss
- **Bilateral Absences of all pulses**
- **Rt. APSV < 20**
Lt. APSV < 25





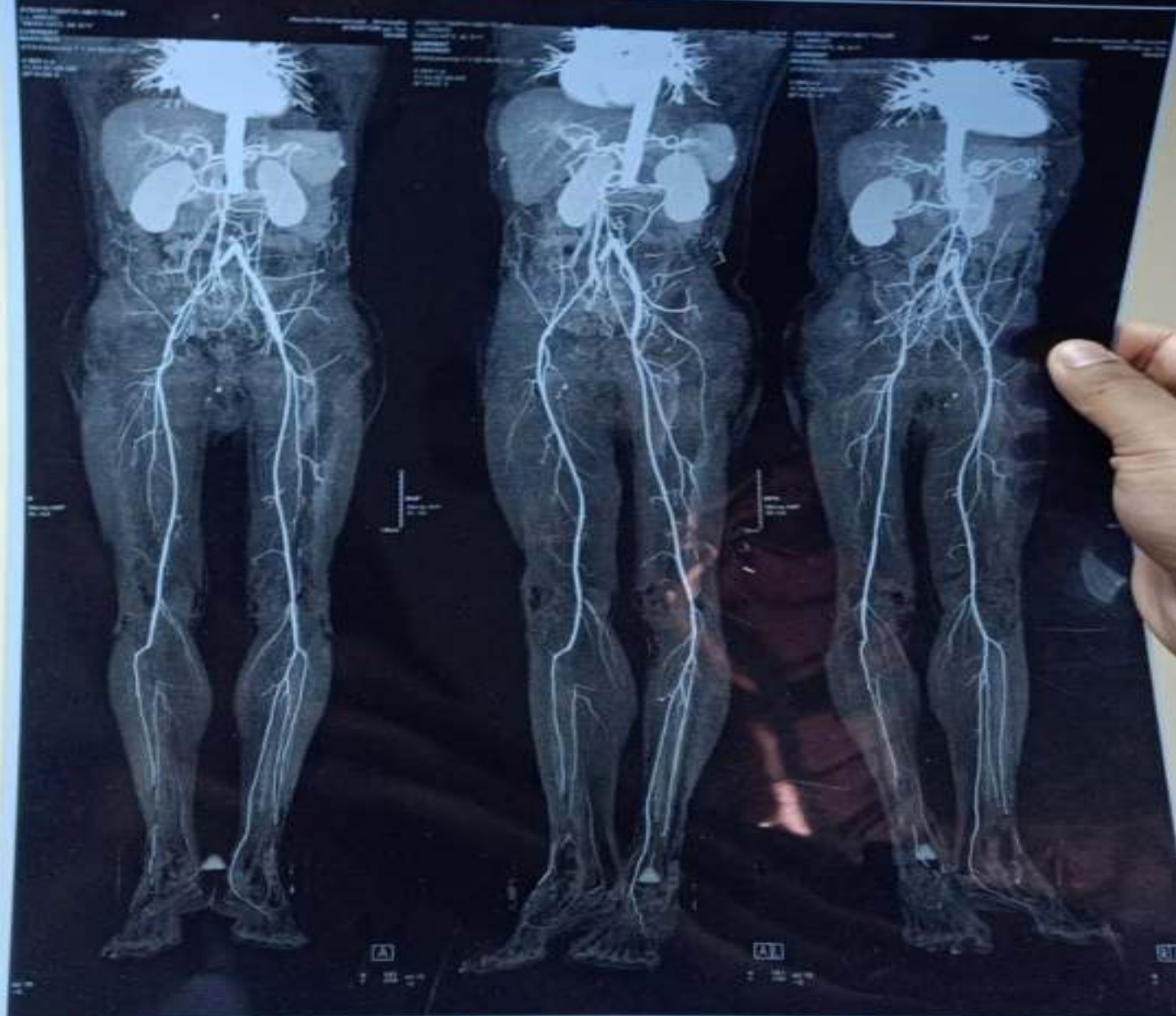
Hematology Analyzer Report
ID:00000001100
Name:
Time:18/10/2023 07:17

Report	Result	Unit	Flag
WBC	31.5	$\times 10^3/\mu\text{L}$	H
LYM%	7.8	%	L
MID%	17.3	%	H
GRAN%	74.9	%	H
LYM#	2.5	$\times 10^3/\mu\text{L}$	
MID#	5.5	$\times 10^3/\mu\text{L}$	H
GRAN#	23.5	$\times 10^3/\mu\text{L}$	H
RBC	4.44	$\times 10^6/\mu\text{L}$	
HGB	12.3	g/dL	
HCT	35.5	%	
MCV	80.0	fL	
MCH			

Multiple **Scrotal and buttock ulcers** and gangrenous patches with right groin skin infection

- **TLC > 30.000**

AL NOUR ALMOHAMMADY RADIOLOGICAL CENTER



مرکز النور المحمدي للاشعة. ٢٠٥ ميدان المسلة
٢٢٢٥-٢٥٩٩
٢٢٢٥-١٧٣٤١
٢٢٢٥-٩٧٢

The Problem is :

- ▶ **Total** occlusion of infra-renal aorta and both iliac stents
- ▶ Rest pain and **tissue loss**
- ▶ **TLC > 30.000**



15/10/2023 التاريخ المصدور :
15/10/2023 التاريخ المقدم :
Hospitals - أ.ح. - تقرير النتائج

رقم الهاتف : 95-27955
رقم الفاكس : 95231013365
عنوان : 49 ي

Microbiology Unit

Pus Examination & C/S

Source	--
Granules	--
Pus cells /FOV	8 - 10
Bacteria	Cocci
Fungi	Absent
Z N stained film	No AFB seen
Others	Absent

Culture Growth of: **Pseudomonas spp.**

Antibiotics and Sensitivity :

Sensitive

Piperacilin/Tazobactam- Cefoperazone/Sulbactam- Imipenam- Meropenem- Tobramycin- Amikacin-
Ciprofloxacin- Levofloxacin- Ofloxacin- Lomefloxacin

Resistant

Piperacilin- Cefoxitin- Cefotaxime- Cefazidime- Ceftazoxone- Gentamicin-
Sulfamethoxazole/Trimethoprim

Culture Growth of: **streptococci**

Antibiotics and Sensitivity :

Sensitive

Ampicillin- Amoxicillin/Clavulanic acid- Gentamicin- Tobramycin- Amikacin- Ciprofloxacin- Levofloxacin-
Ofloxacin- Lomefloxacin- Vancomycin- Telocoplanin- Linezolid- Tigecycline

Resistant

Penicillin- Erythromycin- Azithromycin- Clarithromycin- Sulfamethoxazole/Trimethoprim- Doxycycline-
Tetracycline- Fusidic acid

Note:- حضرت العينة بمعرفة المريض وعلى مسئوليتك

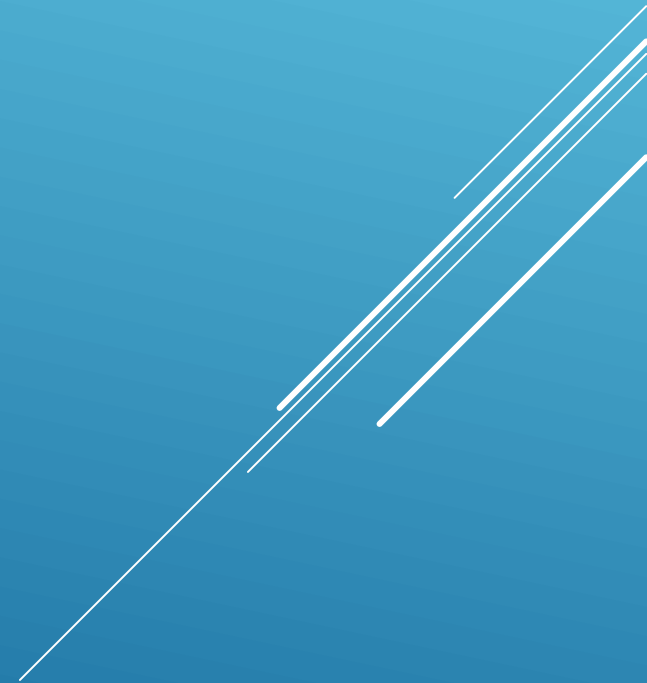


Reviewed By:

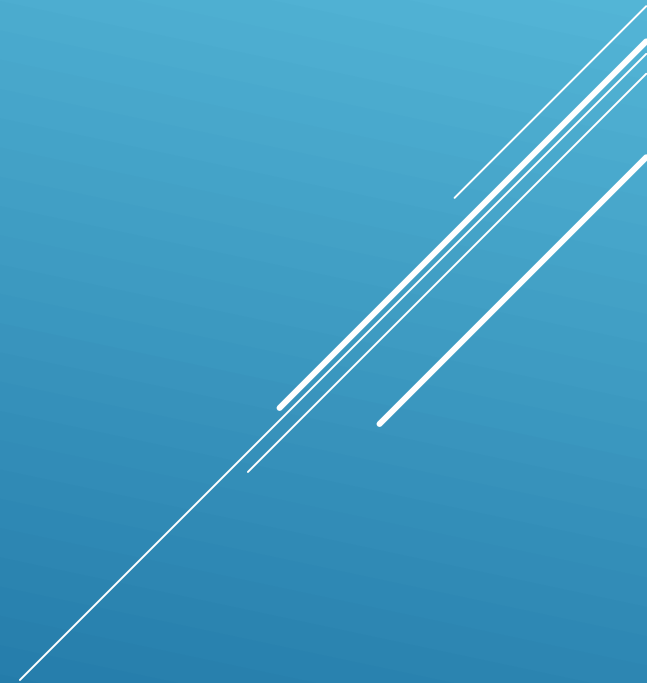
Dr. Nesreen Ahmed

Pt. Branch: الطرية

WHAT TO DO



Review of Literature



- ▶ In literature for ***KISSING STENTS*** the midterm patency ranged from 58% to 80%
 - ▶ Iliac ISR is a complex disease
 - ▶ **Type I** : focal lesion
Type II : diffuse lesion
Type III : total occlusion
- 

HISTOPATHOLOGY

An atherectomy specimen showed

- ▶ Myointimal hyperplasia
- ▶ Areas of intimal fibrosis
- ▶ Areas of atheroma and thrombosis
- ▶ Extracellular matrix accounts 50% with spongy texture explains the high recoil after balloon angioplasty

TREATMENT OPTIONS

**Surgery
In a Fit Patient**



ENDOVASCULAR


Type III total occlusion needs special
wires



Abbot

ASAHI Gladius 0.36mm (0.014inch) Workhorse

- Diameter: 0.36mm (0.014inch)
- Usable length: 200/235/300cm
- Coil length: 10.8cm
- Radiopaque length: 3cm



Support ● ● ○ ○ ○
Torque ● ● ● ○ ○
Penetration ● ● ○ ○ ○

ACT ONE wire improves tip durability and torque to treat lesions in multiple vessels.


Tip Load 3.0 gf

Polymer Jacket

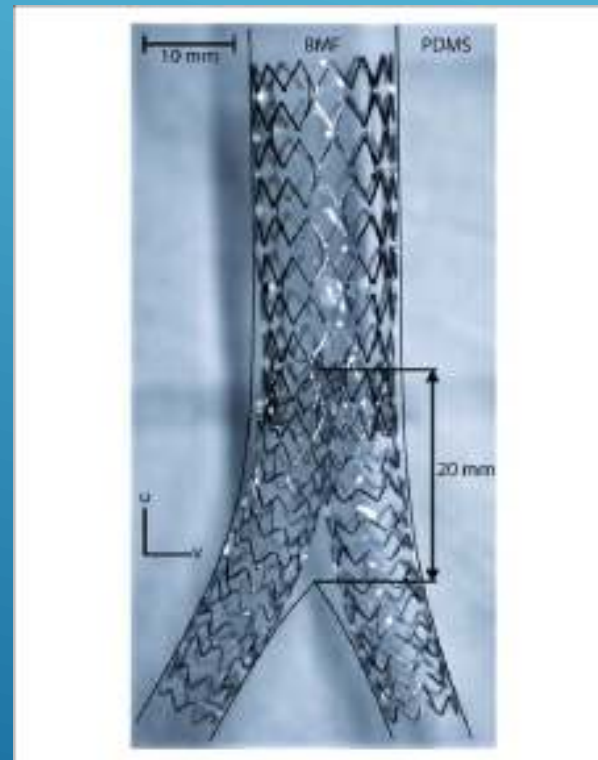
WITH ACT ONE

Mini Pre-shape

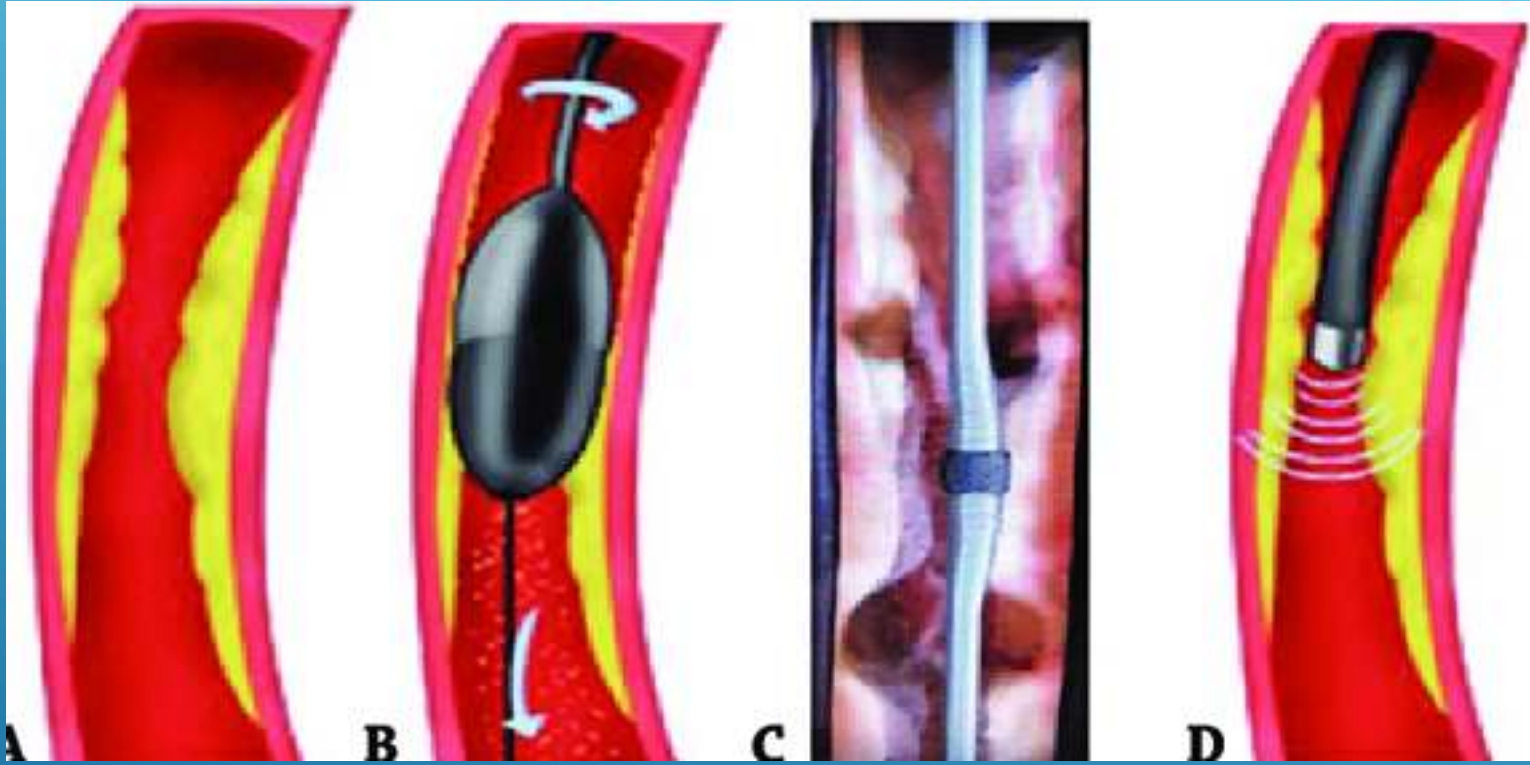
BALLOON

- ▶ **Balloon angioplasty with high recoil due to spongy matrix**
 - ▶ **Drug coated balloon**
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue gradient background.

COVERED ENDOVASCULAR REPAIR OF THE AORTIC BIFURCATION (CERAB)



DEBULKING WITH OR WITHOUT STENTING

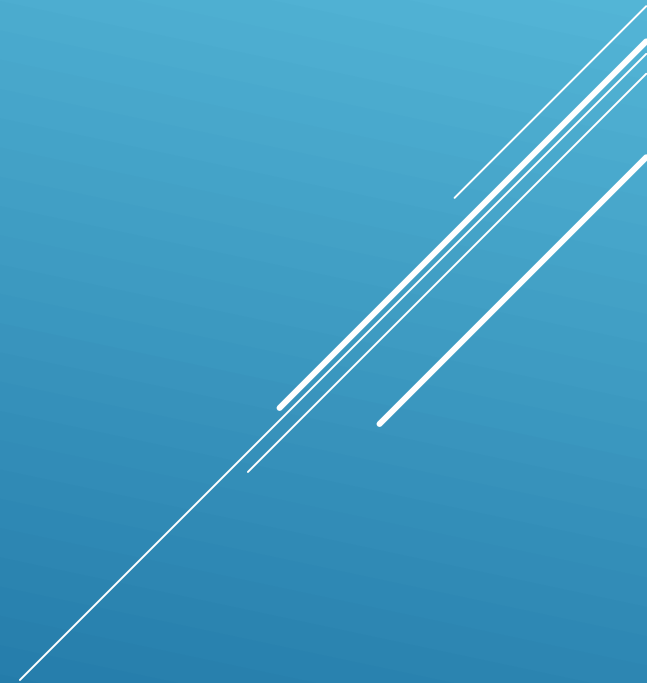


Directional
atherectomy

Orbital
atherectomy

Excimer
laser

Back to the case



THE PROBLEM IS :

- ▶ Total occlusion of infra-renal aorta and both iliac stents
- ▶ Rest pain and tissue loss
- ▶ TLC > 30.000



DECISION

- ▶ Antibiotics
- ▶ Open surgery and Aorto – bifemoral graft

BUT

***PUS OBTAINED FROM
INSIDE THE AORTA SO
DECISION SHIFTED TO***

- ▶ Aortic endarterectomy and removal iliac stents



POST - OPERATIVE

- ▶ Pt. tolerated the procedure well
- ▶ **Palpable popliteal pulse bilaterally**
- ▶ **APSV > 50 bilateral**
- ▶ Pt. underwent **left below knee amputation** and **right toe amputation**
- ▶ **Discharged home 20 days P.O.**



THANK YOU

