My Challenging Peripheral Case



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History

- 80 years old Thai female
- Underlying disease
 - Type 2 Diabetes mellitus with Diabetes retinopathy
 - Essential HT
 - Hypercholesterolemia
- Presented with

- non healing ulcer, gangrene in the left foot s/p debride 2nd, 3rd, 4th of left toe

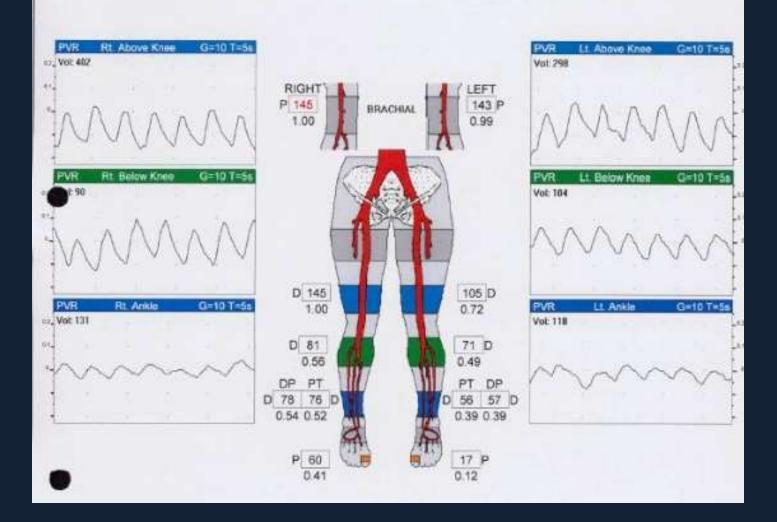
Peripheral pulse	Right leg	Left leg
Femoral A.	1+	1+
Popliteal A.	0 (doppler +)	0 (doppler +)
Dorsalis pedis A.	0	0
Posterior tibial A.	0	0
ABI	0.54	Non measure

Indication of Revascularization Critical limb ischemia



Name: S, SAILARN Address:	Hospital Reference: 42-154438 Insurance Number: Height: Weight: Sex:
Birth Date: 08-01-1933	GP Name:
Hospital: SIRIRAJ Location: Date: 15/03/2013 13:50:35	Referred By: Performed By:
Brachial Right 179 mmHg Post Tiblal 97mmHg	
H Dor Pedis 77mmHg	5secs (0.43) Dor Pedis 47mmHg (0.26)
	5secs

Successful PTA and stent of SFA but failed to open BTK disease





DIVISION OF VASCULAR SURGERY DEPARTMENT OF SURGERY FACULTY OF MEDICINE SIRIRAJ HOSPITAL MAHIDOL UNIVERSITY



DATE/TIME: 2013/03/22 LAST NAME: S. SEX: FEMALE

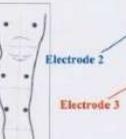
14.07 DOB: 1933/01/08 Patient ID: 42-154438 FIRST NAME: SAILARN AGE: 80

Transcutaneous Oximetry Report

LEFT LEG	20 min Supine	5 min Elevate limb	5 min Supine	10 min O2 100%	5 min Supine
Electrode 1	50 1.00	1	1	1	2
Electrode 2	34 0.68	12	1		1
Electrode 3	29 0.59		-		*
Mean 2,3	-		:		
Electrode 4	5 0.10		1	5	
Electrodi 5	6 0.TI		-		1
Electrode 6	2 0.03		1	1	:
Menn 4,5					+

Electrode Sites: Electrode 1

.



LEFT LEG

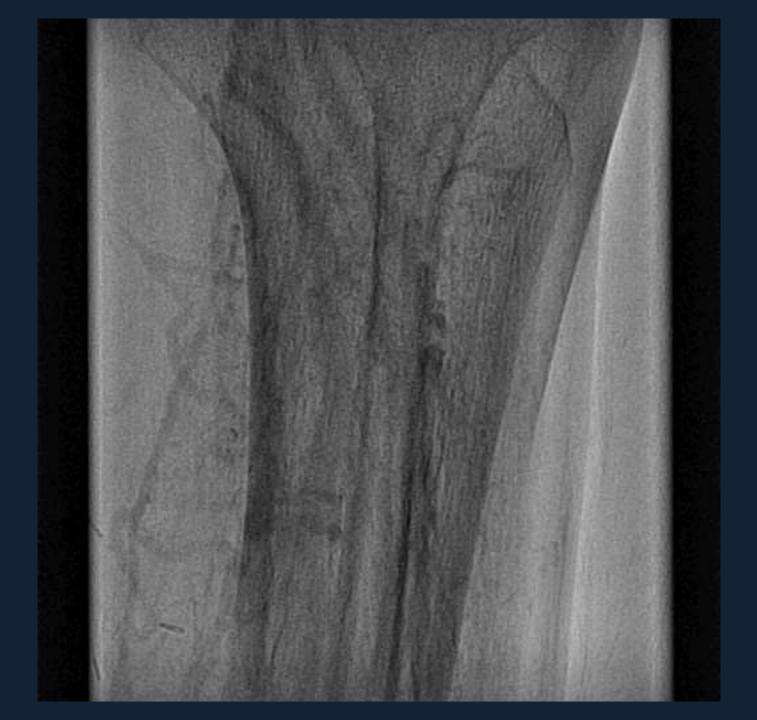
Electrode 4 Electrode 6

Findings of Pressure Volume Record and Transcutaneous oxygen tension after PTA of SFA. What would you do?

- 1. Continue wound care
- 2. Debridement of non-healthy tissue
- 3. Try open the BTK disease

Panel Discussion



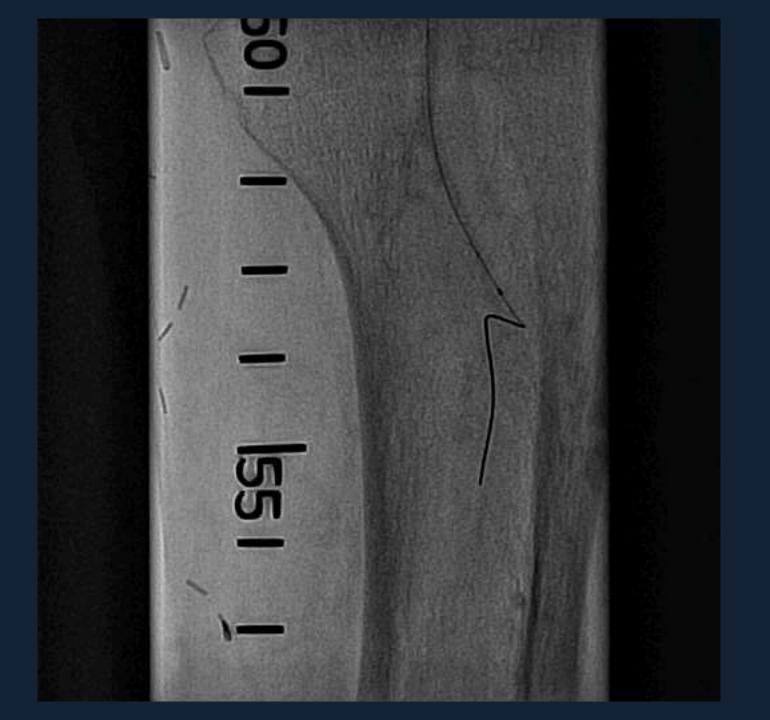




Peripheral angiogram findings

- Long total occlusion of anterior tibia
- Long total occlusion of posterior tibia
- Short segment occlusion of proximal peroneal with possible micro-channel, peroneal give collateral to the dorsalis pedis





Multiple wire tried but failed to cross that microchannel. What would you do?

Panel Discussion

Tried retrograde via dorsalis pedis but failed to cross distal obstruction. What would you do?



Higher puncture into peroneal artery, then retrograde via peroneal artery

















Doppler Leg	Arteries Examination
Name: S, SAILARN Address:	Hospital Reference: 42-154438
Address.	Insurance Number: Height:
	Weight:
Birth Date: 08-01-1933	Sex: GP Name:
Hospital: SIRIRAJ	Referred By:
Location:	Performed By:
Date: 27/03/2013 12:28:46	
Post Telat Post Telat Telat Post Telat	
Post Tibist 78mmHg (0.6	
Post TibleT 78mmHg (0.6	



IOSPITAL	
42-154438	

PY

DATE/TIME: 2013/04/17 LAST NAME: S. SEX: FEMALE

DOB: 1933/01/08

10.19

Patient ID: FIRST NAME: SAILARN AGE: 80

Transcutaneous Oximetry Report

LEFT LEG	20 min	5 min	5 min	10 min	5 min
	Supine	Elevate limb	Supine	O2 100%	Supine
Electrode 1	49	49	50	106	52
	1.00	1.00	1.00	1.00	1.00
Electrode 2	52	46	52	101	54
	1.06	0.94	1.04	0.95	1.04
Electrode 3	46	34	47	96	51
	0,94	0.69	0.93	0.90	1.00
Mean 2,3		:			
Electrode 4	39	3	46	95	45
	0.79	0.06	0.91	0.89	0.86
Electrode 5	38	1N 0.37	43	0.73	41
Electrode 6	43	8	46	84	46
	0.87	0.17	0.91	0.79	0.89
Mean 4,5			:		

LEFT LEG

