

# LOWER EXTREMITY ARTERIOGRAM / PVI OPERATIVE NOTE TEMPLATE

**LEGEND:** █ = Constant boilerplate (verbatim in all notes)

*Blue italic* = Variable / Fill-in

## Procedure Date:

*[MM/DD/YYYY]*

## PREOPERATIVE DIAGNOSIS

*[Select applicable - numbered list]*

- 1. Peripheral vascular disease with claudication
- 1. Peripheral arterial disease with rest pain
- 1. Peripheral arterial disease with tissue loss / gangrene of [location]
- 2. ABI of [X.XX]
- 3. Chronic limb-threatening ischemia
- 4. History of arterial intervention with [stents/bypass] [location]
- 5. Chronic renal insufficiency, Stage [X]
- 6. Osteomyelitis

## POSTOPERATIVE DIAGNOSIS

*[Usually same as preoperative, or update with intraoperative findings]*

## PROCEDURE PERFORMED

*[Select applicable - numbered list]*

- 1. [Right/Left/Bilateral] lower extremity arteriogram
- 2. Balloon angioplasty of the [vessel: SFA / popliteal / AT / PT / peroneal]
- 3. Atherectomy of the [vessel]
- 4. Stent placement [vessel] [size]
- 5. Intravascular ultrasound (IVUS)

## STANDARD FIELDS

Complications:	None
Drains:	None
Specimens:	None
Condition:	Stable
Anesthesia:	MAC and local
Attending:	Joe H. Morgan, M.D.

*Optional - Findings: [For complex cases with significant intraop findings]*

## **PROCEDURE**

### **Opening (Constant):**

The patient was brought to the operating room in stable condition and was placed on the table in the supine position. The groins were prepped and draped in the usual sterile fashion. We began by performing a time-out concerning the patient, procedure, site, and equipment.

### **Access (Variable):**

Under ultrasound guidance, I punctured the [*left/right*] common femoral artery with a needle. I placed a wire and a sheath and manipulated the wire in the infra abdominal aorta. I placed a catheter over the wire. With the tip of the catheter in the infra abdominal aorta, I injected dye within the catheter.

### **Aortoiliac Imaging (Semi-Constant phrases):**

- "This/It showed the aorta to be widely patent."
- "Two common iliacs are widely patent."
- "Internal and external iliacs are widely patent."
- OR: "The iliacs appear to be diseased but they don't appear to be flow limiting."

### **Contralateral Crossing (when applicable):**

I manipulated the tip of the catheter into the [*right/left*] common iliac artery. I placed the wire through the catheter and manipulated the tip of the wire in the [*right/left*] common femoral artery. I advanced the catheter over the wire. With the tip of the catheter in the [*R/L*] common femoral artery, I injected dye within the catheter.

### Target Limb Findings (Variable - structured):

**CFA/Profunda:** [widely patent / XX% stenosis / calcified]

**SFA:** [widely patent / XX% stenosis / rat bite stenosis / occluded / prior stent]

**Popliteal:** [patent / XX% stenosis in 1st/2nd/3rd portion / calcified]

### Tibial Runoff:

- AT: [patent / stenosed / occluded / reconstitutes distally]
- PT: [patent / stenosed / occluded]
- Peroneal: [patent / stenosed / best vessel to foot]

**Foot vessels:** [DP / PT at ankle status]

## INTERVENTION

### Sheath Upgrade (when needed):

I traded out for a [4/5/6/7/8] French [45cm] sheath.

### Wire Crossing:

I crossed the lesion with an [0.014 / 0.018 / 0.035] wire. [Optional: SAFARI technique for retrograde access]

### Atherectomy (if applicable):

I advanced a [1.25 / 1.5 / 2.0] atherectomy burr [/location]. This was treated on low and medium power for several passes. Dye was injected within the sheath. This showed good resolution of the atheroma.

### Balloon Angioplasty (Constant pattern):

I advanced a [X] mm x [X] cm angioplasty balloon. The balloon was bridged from [proximal location] to [distal location]. It was inflated to full profile, held up for three minutes, deflated and removed. Dye was injected within the sheath.

Vessel	Typical Balloon Size
Tibial (AT/PT/Peroneal)	2mm, 3mm, 3.5mm x 20-28cm
Popliteal	4mm, 5mm x 20-24cm
SFA	5mm, 6mm x 20-40cm
Iliac	7mm, 8mm x 40-60mm

### Stent Placement (if applicable):

I advanced a [X] mm x [X] mm [self-expanding / balloon-expandable] stent. The stent was deployed.

Post-dilation was performed with a [X] mm balloon.

## RESULT DOCUMENTATION

### Radiographic Result (Standard phrases):

- "This showed an excellent radiographic result with 0% residual stenosis."
- "This showed a good radiographic result with less than 30% residual stenosis."
- "This showed minimal residual stenosis and much improved runoff."
- "There is now inline flow all the way to the foot."

**Clinical Assessment (Variable):**

- "The patient had a [1+/2+] dorsalis pedis/posterior tibial pulse at the end of the case."
- "There is increased doppler signal in the foot."
- "Good palpable popliteal and femoral pulse."

**CLOSURE****Closure (Constant pattern):**

At this point wires and sheaths were removed. A closure device was used on the groin.

*OR: "Pressure was held for hemostasis."*

**Ending (Constant - verbatim in All notes):**

The patient tolerated the procedure well and left the operating room in stable condition.

**SIGNATURE BLOCK**

JM: jhn

Dictated: [MM/DD/YYYY]

Transcribed: [MM/DD/YYYY]

cc: Joe H. Morgan, M.D.

# VQI PVI REGISTRY DATA EXTRACTION

## Patient Demographics

Age: \_\_\_\_\_

Sex:  Male  Female

Race: \_\_\_\_\_

## Comorbidities

Diabetes:  None  Diet  Oral  Insulin

Hypertension:  No  Yes

CAD:  No  Yes - Prior MI/CABG/PCI

CHF:  No  Yes

COPD:  No  Yes

CKD/Dialysis:  No  CKD Stage \_\_\_\_  Dialysis

Smoking:  Never  Prior  Current

## Indication

Rutherford Class:  R0  R1  R2  R3  R4  R5  R6

Pre-op ABI: \_\_\_\_\_

Tissue Loss Location: \_\_\_\_\_

## Procedure Details

Urgency:  Elective  Urgent  Emergent

Access Site:  Ipsilateral CFA  Contralateral CFA  Brachial  Pedal

Sheath Size:  4Fr  5Fr  6Fr  7Fr  8Fr

## Target Lesions

Aortoiliac:  None  CIA  EIA Stenosis: \_\_\_\_% TASC:  A  B  C  D

Fem-Pop:  CFA  SFA  Popliteal Stenosis: \_\_\_\_% TASC:  A  B  C  D

Tibial:  AT  PT  Peroneal  TPT Stenosis: \_\_\_\_%

## Interventions

PTA:  Yes Vessel: \_\_\_\_\_ Balloon: \_\_\_\_ x \_\_\_\_ mm

Atherectomy:  Yes Type:  Rotational  Laser  Orbital Vessel: \_\_\_\_\_

Stent:  Yes Vessel: \_\_\_\_\_ Size: \_\_\_\_ x \_\_\_\_ mm Type:  BMS  
 DES  Covered

IVUS:

Yes Vessel: \_\_\_\_\_

### Outcome

Technical Success:

Yes  Partial  No

Residual Stenosis:

0%  <30%  30-50%  >50%

Complications:

None  Dissection  Embolization  Perforation  Hematoma

Post-op Pulse:

Doppler  1+  2+ Vessel: \_\_\_\_\_

Post-op ABI:

\_\_\_\_\_