

US VAS doppler lower limb arteries right

Order# 68703214

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Chiamaka IGBOKWE, CNS Study date: 26/10/2023

Authorising Clinician
Naseer AHMAD

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No.

[REDACTED]

Indications:

Reason for Exam: Right tissue loss

Order Comments: Right arterial duplex including the foot

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CFA - patent with triphasic signal. PSV 83 cm/sec

Profunda - patent with biphasic signal. PSV 79 cm/sec

SFA - patent with biphasic signal. PSV 103-120-163 cm/sec

Popliteal- patent with tri/biphasic signal. PSV 119 cm/sec

PTA - Biphasic signal identified proximally, vessel occludes at mid level, and flow reforms distally just at the level of the ankle with monophasic signal at 57 cm/sec.

Peroneal - raised velocities identified at proximal level to 220 cm/sec (PSVR 2.2) suggestive of 50-75% stenosis. Patent vessel at mid level with monophasic signal. Unable to identify vessel distally.

ATA - multi- level stenoses identified throughout its length, Proximally PSVR 2.4, mid level PSVR 13.5, distal level PSVR 3.4 suggestive of moderate to severe stenoses.

Findings:

Proximal Peroneal stenosis (50-75%)

PTA - mid level occlusion

ATA - multi- level stenoses 50-75% and >75% stenoses

TCPO2

Patient on Semi Recumbent position

Left chest - 114 mmHg

Right forefoot - 43 mmHg

Scanned and reported by Rhea Angel.

Result History

[US VAS doppler lower limb arteries right \(Order #68703214\) on 26/10/2023 - Order Result History Report](#)

All Documents List

US VAS doppler lower limb arteries left

Order# 121127107

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Mohammed ASHRAFI Study date: 26/10/2023

Authorising Clinician

Mohammed ASHRAFI

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

Indications:

Reason for Exam: Diabetic foot sepsis. In theatre now having left hallux amputation. No palpable pedal pulses. Will need urgent duplex to plan revascularisation

Findings:

CFA - patent with calcified plaques and triphasic signals. PSV 111 cm/sec

Profunda - patent with biphasic signals. PSV 87 cm/sec

SFA - patent with diffuse calcified plaques at proximal and mid thigh level. Tri/biphasic signals identified throughout with mild increase in velocities at mid level to 183 cm/sec (PSVR 2.2) and 254 cm/sec (PSVR 2.3) suggestive of 50-75% stenoses. Vessel becomes widely patent at 51 cm/sec.

Popliteal - patent with triphasic signal. PSV 43 cm/sec

TPT - patent with triphasic signal. PSV 54 cm/sec

PTA - patent proximally however becomes occluded from mid to distal level

Peroneal - patent with biphasic signal where seen at proximal and mid level. PSV 69-75 cm/sec. Unable to identify distal level.

ATA- patent with biphasic signal however raised velocities identified at distal level (above the ankle) to 294 cm/sec (PSV 5.2) suggestive of >75% stenosis. Monophasic signals identified distal to the lesion with monophasic signal at 67 cm/sec.

Findings:

Mid SFA stenoses (50-75% lower end of scale)

Distal ATA stenosis >75%

Scanned and reported by Rhea Angel

Result History

US VAS doppler lower limb arteries left (Order #121127107) on 26/10/2023 - [Order Result History Report](#)

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
Significant			

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	26/10/2023 11:04		

Exam Information

Status	Exam Begun	Exam Ended
Final	26/10/2023 10:21	26/10/2023 10:21

External Results Report

Encounter

613 PM

US VAS doppler lower limb arteries left

Order# 119628906

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: David RIDING Study date: 20/10/2023

Authorising Clinician
David RIDING

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

Indications:

Reason for Exam: Left iliac stent in September - now has gangrenous second toe. Duplex to assess left iliac stent patency and arterial supply to foot.

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CIA - vessel is patent with triphasic is patent with bi/triphasic signal. PSV 166 cm/sec

EIA - patent with triphasic signal. PSV 159 cm/sec

CFA - patent with triphasic signal. PSV 114 cm/sec

Profunda - patent with bi/triphasic signal. PSV 122 cm/sec

SFA - patent with triphasic signal. PSV 106 - 85 - 80 cm/sec

Popliteal - patent with triphasic signal with hyperemia. PSV 92 cm/sec

ATA - patent with bi/monophasic signal with hyperemia. Slightly raised velocities identified throughout ATA however no obvious narrowing identified. PSV 154-161-155 cm/sec

PTA - patent with bi/monophasic signal where seen. PSV 41 cm/sec

Peroneal - not identified in this scan.

Pressures

Right Brachial: 142 mmHg

Left hallux (PPG): 16 (0.1)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #119628906) on 20/10/2023 - Order Result History Report

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	20/10/2023 13:03		

Exam Information

Status	Exam Begun	Exam Ended
Final	20/10/2023 13:41	20/10/2023 13:43

US VAS doppler lower limb arteries left

Order# 118199330

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Walid ALNATSHEH Study date: 20/10/2023

Authorising Clinician
Naseer AHMAD

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

[REDACTED]

Indications:

Reason for Exam: left groin wound post left pseudoaneurysm ligation , scan to kindly 1) evaluate for a left groin collection . 2 - R/O left deep vein thrombosis .

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED]

verbally consented to the scan.

?Avascular echolucent multi-lobed structure with some areas of hyperechoic structures ?Abscess identified at the left iliac level (just above the staples) down to groin level. Suggest scan with general ultrasound

This is not a dedicated scan

Incidental finding of arterial occlusion from this scan

Poor echo window at groin level due to staples, open cut, and pain on compression

CIA - Patent with biphasic signal.

EIA - Patent with biphasic signal PSV 111 cm/sec

CFA - where seen appears patent with monophasic signal

Profunda - patent with monophasic signal

Femoral - appears occluded proximally and flow reforms ~6-8 cm from groin with monophasic signal. PSV ~20 cm/sec.

Vessel continues to be patent distally to popliteal and crural vessels.

Findings:

Left proximal femoral occlusion

Please see venous report (Positive for ACUTE left DVT)

??Abscess/ collection at iliac/groin level

Please suggest further imaging

Scanned and reported by Rhea Angel.

Result History

[US VAS doppler lower limb arteries left \(Order #118199330\) on 20/10/2023 - Order Result History Report](#)

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
	Significant		

US VAS doppler lower limb arteries left

Order# 119344811

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Deevia KOTECHA Study date: 16/10/2023

Authorising Clinician

John Stephen BUTTERFIELD

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

[REDACTED]

Indications:

Reason for Exam: rest pain for angioplasty

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED]

verbally consented to the scan.

CFA - patent with triphasic signal. PSV 166 cm/sec

Profunda - patent with biphasic signal. PSV 133 cm/sec

SFA - appears patent throughout, however, at proximal/mid level there is a slight increase in velocities to 285 cm/s (PSVR 2.0) suggestive of a ?focal stenosis at ~50%. The raised velocities continues to distal SFA with no obvious evidence of further narrowings identified.

Popliteal - patent proximally however significantly raised velocities identified distally to 457cm/sec (PSVR 12.0) suggestive of >75% stenosis.

TPT - appears patent

ATA - appears patent proximally with monophasic signal however unable to follow native vessel thereafter. Although many collateral vessels were seen throughout. There is flow seen within a small calibre vessel DPA with monophasic signal PSV 19 cm/sec.

PTA - Not identified throughout calf. Flow identified only at the ankle level with poor monophasic signal to PSV 11 cm/sec.

Peroneal - patent where seen at mid level and distal level with monophasic signal. PSV 22 - 29 cm/sec

Findings:

?mid SFA stenosis ~50%

Distal popliteal >75% stenosis

??ATA occlusion

??PTA occlusion

Please suggest further imaging

Scanned and reported by Rhea Angel.

US VAS doppler lower limb arteries left

Order# 119261271

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Alison Shirley PHAIR Study date: 16/10/2023

Authorising Clinician

David RIDING

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

[REDACTED]

Indications:

Reason for Exam: One week post angioplasty. C/o pain in left thigh. Had SFA stented. ?any groin haematoma. ? stent patent

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED]

verbally consented to the scan.

CFA - Patent with triphasic signal. PSV 83 cm/sec

Profunda - patent with triphasic signal. PSV 80 cm/sec

SFA - vessel occludes ~1cm from origin, continues throughout the stent and extending into the proximal thigh level. At proximal/mid thigh level, the vessel appears patent but underfilling and the vessel walls appear ?inflamed/thickened?. Flow fully reforms distally via adductor hiatus with monophasic signal.

Popliteal - TPT are patent with monophasic signal. PSV 39 cm/sec

Targeted distal ATA (PSV 37cm/s) and PTA (PSV 29cm/s) vessels are patent with monophasic signal

Findings:

Occluded proximal SFA stent

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #119261271) on 16/10/2023 - Order Result History Report

Percentile Graphs

No pregnancy episode available

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
	Significant		

Signed by

Signed	Date/Time	Phone	Pager
ANGEL RHEA	16/10/2023 10:33		

US VAS doppler lower limb arteries left

Order# 111221033

Other readers: Rhea ANGEL (Radiographer); Paula MACLURE (Radiographer) Ordering clinician: Kamran Ali KHAN Study date: 09/10/2023

Authorising Clinician
Kamran Ali KHAN

Study Result

Narrative & Impression

Patient NHS number [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

Indications:

Reason for Exam: left ankle ulcer (recurrent) - Please perform left leg arterial duplex + toe pressures

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] fully consented to the scan.

CFA - mild disease, damped triphasic flow PSV 67cm/s.

Profunda - minimal disease, damped triphasic flow PSV 23cm/s.

SFA - mild/moderate diffuse disease, bi/triphasic waveforms PSV 65-63-32cm/s. The distal SFA appears mildly dilated/aneurysmal and measures 1.9cm (LS) - 0.9cm proximal to this.

Popliteal - mild disease, damped triphasic flow PSV 38-55cm/s.

ATA - proximal vessel appears patent with hyperaemic monophasic flow PSV 81cm/s. Monophasic flow distally.

PTA - proximal vessel appears patent with hyperaemic monophasic flow PSV 68cm/s. Monophasic flow distally.

DPA - appears patent with monophasic flow.

Suggest referral for full aneurysm check (Left distal SFA is mildly aneurysmal).

Scanned and reported by Paula MacLure and R. Angel.

Result History

US VAS doppler lower limb arteries left (Order #111221033) on 9/10/2023 - [Order Result History Report](#)

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
Significant	Significant		
Finding comment: Lt distal SFA mildly dilated/aneurysmal.			

Signed by

Signed	Date/Time	Phone	Pager
MACLURE, PAULA	09/10/2023 14:11		

Exam Information

Status	Exam Begun	Exam Ended
Final	09/10/2023 13:20	09/10/2023 13:22

External Results Report

[Open External Results Report](#)

Encounter

[View Encounter](#)

Findings:**Colour Duplex of the left Lower Limb Arteries**

_____rbally consented to the scan.

Widely calcified vessel throughout arterial tree

CFA - patent with triphasic signal. PSV 70 cm/sec

Profunda- patent with triphasic signal. PSV 98 cm/sec

SFA - patent diffusely calcified vessel with tri/biphasic signal. PSV 135-80-43 cm/sec

Popliteal - severely increased velocity identified at the distal SFA/proximal popliteal level to 372 cm/sec (PSVR 6.8) suggestive of >75% stenosis. There is a further slight increase in velocity at mid level to 106 cm/sec (PSVR 2.7) suggestive of 50-75% stenosis

TPT - appears patent

ATA - appears occluded. Flow seen distally at the level of the ankle fed by a collateral vessel with monophasic signal. DPA velocities at 23-39 cm/sec

PTA - unable to identify proximally however flow seen from mid to distal level is monophasic in signal. PSV mid 42-35 cm/sec

Peroneal artery - unable to identify proximally. Flow only seen distally with monophasic signal. PSV 46 cm/sec

Findings:

Distal SFA/proximal Popliteal >75% stenosis

Mid popliteal ~50-75% stenosis

Crural vessel disease

Pressures

Right Brachial: 169 mmHg

Left ATA: 65 (0.4)

Scanned and reported by Rhea Angel.

Result History

[US VAS doppler lower limb arteries left \(Order #116951900\) on 3/10/2023 - Order Result History Report](#)

Percentile Graphs

No pregnancy episode available

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	03/10/2023 10:18		

From Information

US VAS doppler lower limb arteries left

Accession No. [REDACTED]

Indications:

Reason for Exam: Rest pain with multiple leg ulcers on her left leg and popliteal and distal crural vessels pulses not palpable

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CFA - patent with triphasic signals. PSV 180 cm/sec

Profunda - patent with triphasic signal. PSV 221 cm/sec

SFA - patent with tri/biphasic signal. PSV 128 -66-28 cm/sec

Popliteal - there appears a ~3-4 cm long occlusion at mid level, flow reforms distally with monophasic signal

TPT - patent with monophasic signal

Peroneal - where scanned from proximal to mid level is patent with monophasic signal. PSV 46-19 cm/sec

PTA - where scanned from proximal to mid level is patent with monophasic signal. PSV 40-37 cm/sec.

ATA - appears patent proximally however becomes occluded shortly with ~3-4 cm length, flow reforms at mid level with poor monophasic signal (PSV 9cm/sec) unable to flow vessel distally due to fresh dressing in place.

DPA -poor monophasic signal. PSV 12 cm/sec

Findings:

Mid popliteal occlusion

Proximal ATA occlusion

Pressures

Right Brachial: 143 mmHg

Right PTA: 128 (0.9)

Left ATA/PTA: fresh dressings in place

Left hallux (PPG): 30 (0.2)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #114920190) on 26/9/2023 - Order Result History Report

Percentile Graphs

No pregnancy episode available

All Reviewers List

David MURRAY on 26/9/2023 14:58

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
	Significant		

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	26/9/2023 11:18		

Exam Information

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No

[REDACTED]

Indications:

Reason for Exam: bilateral CLI , bilateral feet non healing ulcers

Order Comments: bilateral CLI , bilateral feet non healing ulcers, for bilateral arterial duplex USS with ABPI , toe pressure

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED]

Verbally consented to the scan.

RIGHT ARTERIAL

CFA - patent with triphasic signal. PSV 53 cm/sec

Profunda - patent with biphasic signal. PSV 40 cm/sec

SFA - patent with bi/triphasic signal. PSV 54-74-70 cm/sec

Popliteal - patent with triphasic signal. PSV 48 cm/sec

TPT - patent with biphasic signal. PSV 37 cm/sec

PTA - Intermittent flow seen ?due to vessel calcification with monophasic signals however appears occluded distally just above the ankle (no flow seen distally). PSV 42-32 cm/sec

Peroneal - intermittent flow seen ?due to vessel calcification/intermittent occlusion. Collateral flows seen throughout. PSV 59-29-43 cm/sec

ATA - patent throughout although with increased velocity at mid and distal level to 384 cm/sec (PSVR3.3); 117cm/sec (PSVR 2.7) suggestive of 50-75% stenoses respectively. Bi/monophasic signal seen distally to 83 cm/sec

Right Toe Pressures

Right Brachial: 151 mmHg

Right hallux (PPG): 40 (0.3)

Left TCPO2

Supine

Chest: 81 mmHg

Left distal dorsal surface: 84 mmHg (1.0)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries right (Order #78721757) on 19/9/2023 - Order Result History Report

All Reviewers List

David MURRAY on 26/9/2023 16:00

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	19/9/2023 13:55		

Study Result

Narrative & Impression

Patient NHS number

Exam:

US VAS doppler lower limb arteries left

Indications:

Reason for Exam: bilateral CLI , bilateral feet non healing ulcers

Order Comments: bilateral CLI , bilateral feet non healing ulcers, for bilateral arterial duplex USS with ABPI , toe pressure

Findings:

Colour Duplex of the left Lower Limb Arteries

verbally consented to the scan.

LEFT LEG

CFA - patent with triphasic signal. PSV 74cm/sec

Profunda - patent with triphasic signal. PSv 50 cm/sec

SFA - patent with triphasic signal. PSV 78-94-78 cm/sec

Popliteal - patent with triphasic signal. PSV 95 cm/sec

TPT - patent with triphasic signal. PSv 35 cm/sec .

PTA - appears occluded throughout its length

ATA - patent however there is a2-3cm length of small calibre vessel at mid level with raised velocities to 484 cm/sec (PSVR 3.7). Hypaeremic biphasic signal seen distally with PSV 60 cm/sec.

DPA - patent with hypaeremic bi/monophasic signal 39 cm/sec.

Peroneal -appear occluded proximally and patent where seen at mid and distal levels. PSV 29-65cm/sec

Right Toe Pressures

Right Brachial: 151 mmHg

Right hallux (PPG): 40 (0.3)

Left TCPO2

Supine

Chest: 81 mmHg

Left distal dorsal surface: 84 mmHg (1.0)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #78721759) on 19/9/2023 - Order Result History Report

All Reviewers List

David MURRAY on 26/9/2023 16:00

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	19/9/2023 13:55		

US VAS doppler lower limb arteries left

Order# 113980169

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Charlotte ROBSON Study date: 19/09/2023

Authorising Clinician
Jonathan GHOSH

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

[REDACTED]

Indications:

Reason for Exam: leg ulceration, rest pain. needs urgent revacs - only slot aval is tomorrow

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CFA - patent with triphasic signals

Profunda - patent with triphasic signals

SFA - patent with triphasic signal. PSV 61-72-32 cm/sec

Popliteal - patent with hyperemic triphasic signals. PSV 41-46-61 cm/sec

TPT - patent with triphasic signal. PSV 51 cm/sec

PTA - appears occluded throughout. There is a small area of patent vessel just below the ankle, where seen is monophasic signal PSV 49 cm/sec

Peroneal - appears patent at proximal to mid level PSV 155-52 cm/sec. Unable to follow vessel distally (?patency).

ATA - vessel is patent proximally but appears to occlude ~6-8 cm from origin and reforms at mid/distal level via collaterals. Vessel appears calcified with hyperemic monophasic signal PSV 61 cm/sec. DPA- 61 cm/sec

Distal ATA Diameter - 2.4 mm

DPA (proximal) Diameter~1.3-1.8 mm

Pressures

Left Brachial: 149 mmHg

Left hallux (PPG): 49(0.3)

Scanned and reported by Rhea Angel.

Result History

[US VAS doppler lower limb arteries left \(Order #113980169\) on 19/9/2023 - Order Result History Report](#)

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	19/9/2023 18:02		

US VAS doppler lower limb arteries right

Order# 87672450

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Neville Winston NICHOLAS Study date: 18/09/2023

Authorising Clinician
Neville Winston NICHOLAS

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No.

[REDACTED]

Indications:

Reason for Exam: Previous right SFA drug eluting stent and AT revascularisation. Atpical symptoms in the right leg, ? in stent stenoses. AT re-occlusion.
Order Comments: CTLL right leg

Findings:

CFA - patent with triphasic signal. PSV 136 cm/sec
Profunda - patent with biphasic signal. PSV 121 cm/sec
SFA - patent with triphasic signal. PSV 114-132-114 cm/sec
Popliteal - patent with triphasic signal. PSV 91-119-87 cm/sec

Peroneal - not visualized due to depth
PTA - Poor echo window proximally due to depth. Where seen at mid level appears occluded. Flow was seen just above the ankle with monophasic signal at 78cm/sec. However, atherosclerotic changes were seen from the level of the ankle with PSV of 137cm/sec (PSVR 3.9) and below the ankle at 137cm/sec (PSVR 4.0) suggestive of >75% stenoses.

ATA - Vessel is patent proximally however appears to occlude(~3-4 cm long) at mid/distal level ~6-8cm above the ankle. Monophasic flow seen distally at 47 cm/sec, DPA - 45 cm/sec. Collaterals still seen to fill into the vessel.

Scanned and reported by Rhea Angel

Pressures

Left Brachial: 140 mmHg
Right hallux (PPG): 68 (0.5)

Scanned and reported by Paula Mac Lure

Result History

[US VAS doppler lower limb arteries right \(Order #87672450\) on 18/9/2023 - Order Result History Report](#)

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	18/9/2023 15:58		

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No. [REDACTED]

Indications:

Reason for Exam: low toe pressure

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED] verbally consented to the scan.
A chaperone was present - student nurse

Right leg arterial Doppler Scan

Widely calcified arterial tree with areas of acoustic shadowing

CFA - patent with triphasic signal. PSV 107 cm/sec
Profunda - patent with triphasic signal. PSV 125 cm/sec
SFA - patent with hyperemic triphasic signal. PSV 83-96-116 cm/sec
Popliteal - patent with hyperemic triphasic signal. PSV 131-111 cm/sec

ATA - patent proximally but becomes intermittent in patency at mid level. Flow fully seen distally via collaterals with monophasic signal. PSV distally - 79 cm/sec. DPA - 21 cm/sec monophasic signal.

PTA - ??patency of proximal vessel due to acoustic shadowing, flow is seen distally with monophasic signal PSV 51 cm/sec.

Peroneal - ?Full vessel patency, intermittent flow seen at proximal and distal levels. PSV 136 cm/sec , 151 cm/sec respectively.

Impression

Crural vessel disease

Please suggest further imaging

Pressures

Right Brachial: 158 mmHg

Right ATA: 138 (0.9) ?accuracy

Left ATA/PTA: incompressible

Right hallux (PPG): 21 (0.13) decrease in pressure from previous scan

Left hallux (PPG): 29 (0.18) decrease in pressure from previous scan

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries right (Order #113289661) on 15/9/2023 - Order Result History Report

All Reviewers List

Scott MATHER on 20/9/2023 08:49

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
	Significant		

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	15/9/2023 11:33		

US VAS doppler lower limb arteries right

Order# 112591334

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Ahmed ABDELKADER Study date: 14/09/2023

Authorising Clinician
David MURRAY

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No.

[REDACTED]

Indications:

Reason for Exam: Rt CLI with impending gangrene of the big toe

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Aorta - patent and within normal calibre where seen

CIA - poor echo window however where seen appears small in calibre with significantly raised velocities to 423 cm/sec.

EIA - patent with monophasic signal. PSV 74 cm/sec

CFA - patent with monophasic signal. PSV 97 cm/sec

Profunda - patent, monophasic signal, with slight increase in velocity at the origin to 110cm/sec. PSVR 3.4 suggestive of ~>75% stenosis. ?accuracy

SFA - Patent with monophasic signal. PSV 61-61-40 cm/sec

Popliteal - patent with monophasic signal. PSV 33-32-40 cm/sec

TPT - patent with monophasic signal PSV 29 cm/sec

PTA - patent with monophasic signal. PSV 35-23- 23cm/sec

Peroneal - patent with monophasic signal. PSV 22-22-23 cm/sec

ATA - patent with monophasic signal. PSV 39-26-39 cm/sec

DPA - patent with monophasic signal. PSV 27-31 cm/sec

Impression

CIA stenosis

Pressures

Right Brachial: 154 mmHg

Right ATA: 80(0.5)

Right hallux (PPG): 48 (0.3)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries right (Order #112591334) on 14/9/2023 - Order Result History Report

US VAS doppler lower limb arteries left

Order# 112537561

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Kamran Ali KHAN Study date: 11/09/2023

Authorising Clinician
Kamran Ali KHAN

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No: [REDACTED]

Indications:

Reason for Exam: Left heel ulcer + rest pain . TcPO2 reduced. Could we have a detailed arterial scan please with waveform assessment to see if there is any significant stenosis or occlusion that could be angioplastied

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Technically difficult study with poor echo windows due to widely calcified arterial vessel creating areas of acoustic shadowing with intermittent arterial colour filling

Iliac vessels - not seen, poor window due to bowel gas.

CFA - patent with bi/monophasic signal. PSV 90 cm/sec

Profunda - patent with biphasic signal. PSV 112 cm/sec

SFA -Poor echo windows. Raised velocity seen at proximal level to 112 cm/sec (PSVR 2.5) suggestive of 50-75% narrowing. At mid level, significantly raised velocities noted to 295 cm/sec (PSVR 5.7) suggestive of >75% stenosis. Monophasic signals noted distally. (??full patency of vessel due to acoustic shadowing)

Popliteal - patent with monophasic signal. PSV 55-41-52 cm/sec

TPT - not seen

ATA - patent where seen with monophasic signal. PSV 88 -34-57 cm/sec

DPA - proximal level is patent with monophasic signal. PSV 41cm/sec

PTA - small calibre vessel with poor colour filling. ?full vessel length patency. Where seen PSV 32-17-21cm/sec

Peroneal - not seen

Please suggest further imaging

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #112537561) on 11/9/2023 - Order Result History Report

Percentile Graphs

No pregnancy episode available

All Reviewers List

US VAS doppler lower limb arteries left

Order# 112538482

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Bushara BAIJU, RN Study date: 08/09/2023

Authorising Clinician
Anupam PRAKASH

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

Indications:

Reason for Exam: tissue loss

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Widely calcified vessel throughout arterial tree with areas of acoustic shadowing

CIA - not visualized

EIA - patent with monophasic signal where seen. PSV 72 cm/sec

CFA - patent with monophasic signal. PSV 58 cm/sec

Profunda - patent with monophasic signal. PSV 41 cm/sec

SFA - patent with monophasic signal. PSV 40-47-35 cm/sec

Popliteal - patent with monophasic signal. PSV 52-44 cm/sec. No obvious narrowing identified.

TPT - patent with monophasic signal. PSV 41 cm/sec

ATA - ?patency at origin, however seen patent proximally with slightly raised velocities to 93 cm/sec. Vessel appear to taper although patent as it goes down to DPA. DPA - patent with monophasic signal and small calibre. PSV 16 cm/sec

PTA - appears occluded proximally with poor intermittent monophasic signals seen at mid and distal level

Peroneal - ?patency however appears occluded.

Please suggest further imaging

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #112538482) on 8/9/2023 - Order Result History Report

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	08/9/2023 16:23		

Exam Information

Status	Exam Begun	Exam Ended
Final	08/09/2023 15:42	08/09/2023 15:42

External Results Report

[Open External Results Report](#)

Encounter

[View Encounter](#)

US VAS doppler lower limb arteries right

Order# 107069097

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Mohamed Ala Eldn Min Alla BARKAT Study date: 07/09/2023

Authorising Clinician
Mohamed Ala Eldn Min Alla BARKAT

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No.

[REDACTED]

Indications:

Reason for Exam: B/L pressures & waveforms, (raynauds) r/o entrapment if any concerns proceed to full arterial duplex.
Order Comments: Patient phoned to request scan at MRI

Findings:

Colour Duplex of the bilateral Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Popliteal entrapment scan

Scanned with patient lying on ventral position

Right Distal Popliteal

Plantar flexion - on flexion, there was a 2.9 fold increase in blood velocity from 116 cm/sec to 342 cm/sec with high resistance waveform on flexion and hyperemic signal post flexion

Dorsal flexion -on flexion, there was a 1.4 fold increase in blood velocity from 155 cm/sec to 223 cm/sec with biphasic signals throughout flexion and relaxation

Left Distal Popliteal

Plantar flexion-on flexion, there was a 1.8 fold increase in blood velocity from 150 cm/sec to 267 cm/sec with high resistance waveform on flexion and hyperemic signal post flexion

Dorsal flexion -on flexion, there was a 1.5 fold increase in blood velocity from 150 cm/sec to 235 cm/sec with biphasic signals throughout flexion and relaxation

Conclusion:

Significant compression of vessel bilaterally.
Please suggest further imaging if indicated

Scanned and reported by Rhea Angel.

Result History

[US VAS doppler lower limb arteries right \(Order #107069097\) on 7/9/2023 - Order Result History Report](#)

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	07/9/2023 18:26		

Rhea.angel

US VAS doppler lower limb arteries right

Order# 111758271

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Kamran Ali KHAN Study date: 05/09/2023

Authorising Clinician
Kamran Ali KHAN

Study Result

Narrative & Impression
Patient NHS number: [REDACTED]

Exam:
US VAS doppler lower limb arteries right

Accession No.
[REDACTED]

Indications:
Reason for Exam: Rt SFA stent 27/6. Now c/o wprsening pain in right foot + discolored 3 toes + 4th toe ulcer. Please perform duplex to assess if stent patent + toe pressures please

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Widely calcified vessel

CFA - patent with triphasic signal. PSV 167 cm/sec
Profunda - patent with areas of acoustic shadowing with biphasic signal. PSV 146 cm/sec
SFA and stent is patent with hypaeremic tri/biphasic signal. PSV 157-158- 191-116 cm/sec
Popliteal - patent with hyperemic biphasic signal. PSV 223 - 107 - 122 cm/sec
TPT - patent with hypaeremic bi/monophasic signal

PTA - patent with hyperemic bi/monophasic signal. PSV 132-123 -115 -228 cm/sec
Peroneal - patent with hyperemic bi/monophasic signal. PSV 41- 61- 65 cm/sec
ATA - patent proximally with hyperemic bi/monophasic signal however abruptly occludes from mid - distal level. Reversed flow seen at DPA.

Findings:
Mid- distal ATA occlusion

Pressures
Right Brachial: 151 mmHg
Right hallux (PPG): 25 (0.16)
Left hallux (PPG): 39 (0.25)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries right (Order #111758271) on 5/9/2023 - Order Result History Report

All Reviewers List

Kamran Ali KHAN on 5/9/2023 16:56

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
	Significant		

US VAS doppler lower limb arteries left

Order# 111754520

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Ibraheem Suleiman Khaled OBAIDAT Study date: 05/09/2023

Authorising Clinician
Mohammed ASHRAFI

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

[REDACTED]

Indications:

Reason for Exam: left foot and leg pain , CT showed crural calcification , needs Toe pressure as well

Findings:

Crural vessel scan (widely calcified vessel)

ATA - patent proximally with intermittent colour filling and biphasic signal. Vessel occludes at mid level down to DPA. Hypoechoic vessel, ?acute occluding thrombus?

PTA - patent proximally with intermittent colour filling and bi/monophasic signal. However, vessel occludes at mid level ~6-8 cm in length (hypoechoic vessel ??acute thrombus). Flow refills distally via collaterals. But no flow seen below the ankle.

Peroneal - poor echo window. No doppler signal where seen. ?patency

Scanned and reported by Rhea Angel

Pressures

Right Brachial: 157 mmHg

Right hallux (PPG): 91 (0.6)

Left hallux (PPG): 29 (0.2)

Scanned and reported by Kirsty Palmer.

Result History

US VAS doppler lower limb arteries left (Order #111754520) on 5/9/2023 - Order Result History Report

Imaging Findings

Finding	Acuity	Linked Recommendation	Recommendation Status
	Significant		

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	05/9/2023 11:15		

Exam Information

Status	Exam Begun	Exam Ended
--------	------------	------------

US VAS doppler lower limb arteries right

Order# 111634805

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Nyagan KALAM SAKIT Study date: 04/09/2023

Authorising Clinician
Kamran Ali KHAN

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No.

[REDACTED]

Indications:

Reason for Exam: Deterioration of RT foot wound - PH: Rt fem pop prosthetic + toe amputation - Now for consideration for TMA ? blood supply into foot

Findings:

CFA - patent calcified vessel with triphasic signal. PSV 134 cm/sec

Femoral-Proximal Popliteal Graft

Proximal anastomosis - patent with bi/triphasic signal PSV 155 cm/sec

Graft body - patent with wall to wall colour filling and hypaeremic triphasic signal. PSV 63-51- 54 cm/sec

Distal graft anastomosis- patent however with slight increase in velocity identified to 146 cm/sec (PSVR 2.4) ?? Diameter difference (unable to clearly see anastomosis in B-mode).

Popliteal - patent with triphasic signal (PSV 94-143-140 cm/sec)

TPT - patent with triphasic signal. PSV 82 cm/sec

Proximal ATA, PTA, and Peroneal arteries are patent with tri/biphasic signals. PSV 94, 162,104 cm/sec respectively (unable to scan further due to dressings in place)

PTA at ankle level by handheld doppler is good monophasic in signal

ATA at ankle level by handheld doppler is good monophasic in signal

Pressures

Right Brachial: 117 mmHg

Right hallux (PPG): 66 (0.56)

Scanned and reported by Rhea Angel

Result History

US VAS doppler lower limb arteries right (Order #111634805) on 4/9/2023 - Order Result History Report

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	04/9/2023 12:42		

Exam Information

Status	Exam Begun	Exam Ended
Final	04/09/2023 12:17	04/09/2023 12:18

US VAS doppler lower limb arteries right

Order# 110498993

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Prashant NEUPANE Study date: 29/08/2023

Authorising Clinician
Gareth OWEN, NP

PACS Images

Show images for this exam (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number

Exam:

US VAS doppler lower limb arteries right

Accession No

Indications:

Reason for Exam: 18/8 - Right CFEA + profundaplasty + SFA and crural angioplasty , as of today pain in the right lower limb, monophasic signal on doppler in AT of right lower limb. To look for patency

Findings:

Colour Duplex of the right Lower Limb Arteries

Verbally consented to the scan.

Irregular heart rate noted throughout the scan

CFA - not seen due to VAC in place

Profunda - patent with biphasic signal

SFA - patent with hypaeremic tri/biphasic signal. PSV 81- 107-75 cm/sec

Popliteal - difficult window patent at the proximal level however appears to occlude at mid level down to trifurcation level.

ATA - ATA origin not identified. Vessel is patent from proximal to distal level with monophasic signal. PSV 40-27-44 cm/sec

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries right (Order #110498993) on 29/8/2023 - Order Result History Report

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	29/8/2023 18:00		

Exam Information

Status	Exam Begun	Exam Ended
Final	29/08/2023 17:46	29/08/2023 17:46

External Results Report

Open External Results Report

Encounter

View Encounter

IR Documentation Timeline (9/10/2023 18:15:40 to 7/9/2023 15:49:57)

An end event has not been filed for the most recent intervention. Due to this intervention's length, all data may not appear below. To see all data, file an end event.

US VAS doppler lower limb arteries right

Order# 110054601

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Milad MOSSANEN PARSI Study date: 28/08/2023

Authorising Clinician
Leszek WOLOWCZYK

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No [REDACTED]

Indications:

Reason for Exam: Necrotic lesion seen on R heel. Severe pain at rest. Pt keeps foot hanging off bed, femoral and popliteal pulses not palpable.

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Iliac vessels not scanned

CFA - patent with bi/triphasic signal. PSV 108cm/sec

Profunda - widely patent with bi/monophasic signal. PSV 115 cm/sec

SFA - occludes ~1.2 cm from origin. Flow reforms distally (level of adductor hiatus) with monophasic signal. PSV 47 cm/sec

Popliteal artery- flow seen proximally with monophasic signal PSV 29 cm/sec. However, unable to follow flow distally ?occluded.

TPT - not visualized

PTA - no flow seen throughout ?occluded

ATA -No flow seen proximally. Flow reforms distally just above the ankle with poor blunted monophasic signal. PSV 19 cm/sec. DPA not visualized

Peroneal - cannot visualized

Findings:

Proximal to distal SFA occlusion

?Distal popliteal occlusion

PTA - appears occluded throughout

ATA - proximal - mid occlusion

Pressures

Right Brachial: 104 mmHg

Right ATA/PTA: signal too poor to differentiate arterial from venous signal

Right hallux (PPG): No signal detected

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries right (Order #110054601) on 28/8/2023 - Order Result History Report

Signed by

Signed	Date/Time	Phone	Pager
ANGEL RHEA	28/8/2023 15:14		

US VAS doppler lower limb arteries left

Order# 110434766

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Prashant NEUPANE Study date: 28/08/2023

Authorising Clinician
Sandhir GREEN

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No: [REDACTED]

Indications:

Reason for Exam: Possibility of blood clot in the popliteal artery of left leg, patient presented with sudden severe pain in left leg with blackish discolouration of the 3rd and 4th toes

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CFA - patent with triphasic signal. PSV 132 cm/sec
Profunda - patent with biphasic signal. PSV 97 cm/sec
SFA - patent with triphasic signal. PSV 130-76-136 cm/sec
Popliteal - patent with triphasic signal. PSV 99 -132-103 cm/sec
TPT - patent with biphasic signal. PSV 90 cm/sec

ATA - raised velocities identified proximally to 409 cm/sec (PSVR 4.0) suggestive of 75% narrowing; however bi/monophasic signals seen distally PSV 60-68-129 cm/sec. DPA patent bi/monophasic signal to 118-96 cm/sec
PTA - patent with triphasic to biphasic signals. PSV 108-143-101cm/sec
Peroneal - patent where seen with triphasic signal. PSV 83-84 cm/sec

Pressures

Right Brachial: 160 mmHg
Right hallux (PPG): 95 (0.59)
Left hallux (PPG): 75 (0.46)

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #110434766) on 28/8/2023 - Order Result History Report

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	28/8/2023 15:27		

Exam Information

Status	Exam Begun	Exam Ended
Final	28/08/2023 14:56	28/08/2023 14:58

US VAS doppler lower limb arteries left

Order# 109842756

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: David MURRAY Study date: 25/08/2023

Authorising Clinician
David MURRAY

PACS Images

Show images for this exam (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number

Exam:

US VAS doppler lower limb arteries left

Accession No.

Indications:

Reason for Exam: pre op angio

Order Comments: For left leg angio needs formal duplex assessment (not just pressures)

Findings:

Colour Duplex of the left Lower Limb Arteries

verbally consented to the scan.

CFA - patent with triphasic signals. PSV 109 cm/sec

Profunda - patent with biphasic signal. PSV 84 cm/sec

SFA- patent with tri/biphasic signal. PSV 61-54-45 cm/sec

Popliteal - 2 areas of significantly raised velocities identified in the mid level. PSV1 477 cm/sec (PSVR11.0), PSV2 419 cm/sec (PSVR 6.4). Suggestive of >75% narrowing in both areas. Monophasic signals distally.

TPT - monophasic signal. PSV 41cm/sec

ATA - appears patent proximally, and becomes occluded shortly after. Flow reforms distally at the ankle level with monophasic signal. DPA- patent with monophasic signal.

Peroneal -patent with monophasic signal

PTA- patent with monophasic signal, however significantly raised velocities identified just above the ankle level. PSV 371 (PSVR 6.2)

Findings:

Popliteal artery - bi-level >75% stenoses

ATA - occluded at mid to distal level

PTA >75% stenosis just above the ankle level

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #109842756) on 25/8/2023 - Order Result History Report

All Reviewers List

David MURRAY on 11/9/2023 11:03

Imaging Findings

Finding

Acuity

Linked Recommendation

Recommendation Status

Significant

US VAS doppler lower limb arteries left

Order# 109576780

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Kazim ABBAS Study date: 24/08/2023

Authorising Clinician
Leszek WOLOWCZYK

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No.

[REDACTED]

Indications:

Reason for Exam: Known polycythemia, non-healing wound on left big toe after trauma, AT weakly palpable, PT not palpable, previous right AKA. ? vasculopathy +/-ABPI/toe pressure, could we please do it at around 1030am 23 Aug. Thanks

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

EIA - poor echo window, where seen and no straight iliac vessel identified however with monophasic signal. Unable to scan proximally to CIA - Aorta. Known iliac occlusion as per CT and DUS 2017

CFA - patent with monophasic signal. PSV 63 cm/sec

Profunda - patent with monophasic signal. PSV 29 cm/sec

SFA - patent with monophasic signal. PSV 68-61-59 cm/sec

Popliteal - patent with monophasic signal. PSV 54 cm/sec

PTA and peroneal - not identified. Known occlusion

ATA - widely patent however with monophasic signal. PSV 52-28-31 cm/sec

DPA - patent with monophasic signal. PSV 32-9-8 cm/sec

Patient refused to have pressures taken.

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #109576780) on 24/8/2023 - Order Result History Report

Percentile Graphs

No pregnancy episode available

Signed by

Signed	Date/Time	Phone	Pager
ANGEL, RHEA	24/8/2023 15:23		

Exam Information

Status	Exam Begun	Exam Ended
Final	24/08/2023 15:10	24/08/2023 15:10

US VAS doppler lower limb arteries left

Order# 109466165

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Ibraheem Suleiman Khaled OBADAT Study date: 22/08/2023

Authorising Clinician
David MURRAY

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No [REDACTED]

Indications:

Reason for Exam: rest pain

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CIA - heavily calcified vessel seen proximally (?near occlusion), monophasic signals seen distal to lesion. PSV 34 cm/sec

EIA - patent calcified vessel with monophasic signal. PSV 50 cm/sec

CFA - heavily calcified vessel (?near occlusion) with monophasic signals seen distal to the lesion. PSV 21 cm/sec

Profunda - patent with monophasic signal. PSV 26 cm/sec

SFA - appears chronically occluded proximally, however ~8cm from origin, flow reforms with poor monophasic signal. PSV 12cm/sec

Popliteal - patent calcified vessel with raised velocities identified at mid level to 57 cm/sec (PSVR 4.7) suggestive of >75% stenosis.

TPT - patent with poor monophasic signal

ATA - appears occluded at origin. Flow reforms proximally with poor monophasic signal. PSV 33-11-13 cm/sec

Peroneal - calcified vessel with poor monophasic signal. PSV 34-35-33 cm/sec

PTA - patent calcified vessel with poor monophasic signal. PSV 16-30-20 cm/sec

Impression

CIA - diseased

CFA - diseased

Proximal SFA occlusion

Mid popliteal stenosis

Pressures

Right Brachial: 108 mmHg

Right hallux (PPG): 26(0.2)

Left hallux (PPG): <20 (-) poor waveform signal that machine could not detect.

Please suggest further imaging

Scanned and reported by Rhea Angel.

Result History

US VAS doppler lower limb arteries left (Order #109466165) on 22/8/2023 - Order Result History Report

All Reviewers List

David MURRAY on 11/9/2023 11:04

US VAS doppler lower limb arteries left

Order# 107477464

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Chiamaka IGBOKWE, CNS Study date: 11/08/2023

Authorising Clinician
Sandhir GREEN

PACS Images

[Show images for this exam \(If images do not open automatically, search PACS using NHS number\)](#)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

[REDACTED]

Indications:

Reason for Exam: Reduced mobility and 20 yards claudication, rest pain and hangs leg out of the bed, necrotic patch to the right heel, bilateral foot discolouration and absence of right femoral pulse

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CIA - patent Calcified vessel with triphasic signal. PSV 136 cm/sec

EIA - patent calcified vessel with biphasic signal PSV 121 cm/sec

CFA - patent calcified vessel with triphasic signal. PSV 223 cm/sec

Profunda - patent with slightly raised velocities to 287 cm/sec (PSVR 2.4) suggestive of 50-75% narrowing ?true stenosis

SFA - patent calcified vessel however raised velocities identified at mid level to 430 cm/sec (PSVR 9.3) suggestive of >75% stenosis and another raised velocity identified distally to 209 cm/sec (PSVR 9.0) suggestive of >75% stenosis. Monophasic signals seen distal to the lesion to 19cm/sec

Popliteal to TPT - patent with monophasic signal. PSV 39 -40 cm/sec

PTA - patent calcified vessel with monophasic signal PSV 31-23-15cm/sec

Peroneal - patent calcified vessel with monophasic signal. PSV 23- 18-22 cm/sec

ATA - patent calcified vessel with monophasic signal. PSV 32-36-29 cm/sec

Findings:

>75% stenoses at mid and distal SFA level

Please suggest further imaging

Scanned and reported by Rhea Angel.

Pressures

Right Brachial: 167 mmHg

Bilateral ABPI: Falsely elevated

Right hallux (PPG): 24 (0.1)

Left hallux (PPG): 30 (0.2)

Scanned and reported by Claire Spencer, ARRT.

Result History

US VAS doppler lower limb arteries right

Order# 107477460

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Chiamaka IGBOKWE, CNS Study date: 11/08/2023

Authorising Clinician
Sandhir GREEN

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries right

Accession No. [REDACTED]

Indications:

Reason for Exam: Reduced mobility and 20 yards claudication, rest pain and hanges leg out of the bed, necrotic patch to the right heel, bilateral foot diclouration and absence of right femoral pulse

Findings:

Colour Duplex of the right Lower Limb Arteries

[REDACTED] verbally consented to the scan.

Aorta - not identified due to bowel gas

CIA - patent calcified vessel with bi/monophasic signal however unable to rule out narrowing as not able to visualize its full length

EIA - patent calcified vessel with bi/monophasic signal. No obvious raised velocities identified

Distal EIA to CFA - large calcified plaque identified at distal EIA/proximal CFA causing significantly raised velocities to 746 cm/sec (PSVR 6.8) suggestive of >75% narrowing.

Profunda -patent with monophasic signal

SFA - heavily calcified vessel which appears patent proximally; however unable to rule out narrowing at origin. At ~ 6-8 cm from groin the vessel becomes chronically occluded then flow reforms distally at level of adductor hiatus with monophasic signal. PSV 48 cm/sec

Popliteal - TPT - patent calcified vessel with monophasic signal. PSV 358-81-47cm/sec

PTA - patent heavily calcified vessel and thready monophasic signal at 11- 21 - 9cm/sec

ATA - patent heavily calcified vessel and poor monophasic signal 22-16-11cm/sec

Peroneal - not identified

Findings

Distal EIA/proximal CFA >75% stenosis

Mid SFA occlusion

Please suggest further imaging

Scanned and reported by Rhea Angel.

Pressures

Right Brachial: 167 mmHg

Bilateral ABPI: Falsely elevated

Right hallux (PPG): 24 (0.1)

Left hallux (PPG): 30 (0.2)

Scanned and reported by Claire Spencer, ARRT.

US VAS doppler lower limb arteries left

Order# 104938053

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Ahmed ABDELKADER Study date: 10/08/2023

Authorising Clinician
David MURRAY

PACS Images

[Show images for this exam](#) (If images do not open automatically, search PACS using NHS number)

Study Result

Narrative & Impression

Patient NHS number: [REDACTED]

Exam:

US VAS doppler lower limb arteries left

Accession No. [REDACTED]

Indications:

Reason for Exam: necrotic 5th Toe

Order Comments: 11.30 Thursday

Findings:

Colour Duplex of the left Lower Limb Arteries

[REDACTED] verbally consented to the scan.

CIA- EIA - calcified vessel, appears patent with bi/monophasic signals. PSV 125-184 cm/sec. No obvious stenosis identified in this region.

IIA - appears stenosed proximally to 415cm/sec (PSVR 3.3) suggestive of 50-75% narrowing

CFA -patent however with mixed plaques and bi/monophasic signal. PSV 204 cm/sec

Profunda - patent with raised velocities to 265 cm/sec (PSVR 2.5) suggestive of 50-75% stenosis

SFA - Diseased vessel with small channel of flow seen proximally gradually coming into 1-2 cm short occlusion at mid level, flow then reforms and becomes widely patent distally with monophasic signals. However, significantly raised velocities were seen distally to 276cm/sec (PSVR 7.2) suggestive of >75% narrowing.

Popliteal - patent with monophasic signal. PSV 67cm/sec

TPT - patent with monophasic signal. PSV 40 cm/sec

PTA - patent calcified vessel with monophasic signals. PSV 54-36-50 cm/sec

ATA - patent calcified vessel with monophasic signals. PSV 60-27-22 cm/sec. DPA - patent monophasic signal PSV 22 cm/sec

Peroneal - patent calcified vessel. Where seen is monophasic in signal PSV 28-19-26 cm/sec

Findings:

?IIA origin stenosis

Mid SFA short occlusion, distal SFA >75% stenosis

Pressures

Right Brachial: 95 mmHg

Left ATA: 45(0.47)

Please suggest further imaging

Scanned and reported by Rhea Angel.