

## OCTOBER 2022

## US VAS doppler carotid artery bilateral

Order# 48541113

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Filofteia TACEA Study date: 25/10/22

## PACS Images

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

## Study Result

Narrative &amp; Impression

**Patient NHS number:** 650 885 7487**Exam:**


US VAS doppler carotid artery bilateral

**Accession No.**

R0A220281288

**Indications:**

suspect RE artery supply inferiorly short (branch artery occlusion, possibly old)

**Findings:****Colour Duplex of the Extracranial Carotid Arteries** verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;50%)

Bifurcation: Minimal (&lt;50%)

Internal: Minimal (&lt;50%) Tortuous vessel

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;50%)

Bifurcation: Minimal (&lt;50%)

Internal: Minimal (&lt;50%) Tortuous vessel

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion:**

Known brachio-cephalic artery ectasia.

Tortuous bilateral ICA Vessels, however, no significant increase in velocities detected.

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

## Image Report



### US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Marta UGARTE, MD Study date: 25/10/2022

#### 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:** 636 293 5810

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220192058

**Indications:**

ocular ischaemia

**Findings:**

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (<40%)

Bifurcation: Minimal (40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

The carotid arteries are minimally diseased bilaterally.

Scanned and reported by Rhea Angel.

Male, 70 y.o., 17/10/1952

MRN: 03898099

Resuscitation: ASSUME FULL

NHS Number: 460 581 8294

Archive

GMCR

Search

Isolation: None

Allergies: Not on File

Ht: —

Wt: —

BMI: —

MEDICATION STATUS

None

**Indications:**  
TIA type symptoms, Blurred vision for 5 minutes

**Findings:**  
**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

Technically difficult study due to body habitus and deep breathing pattern

% stenosis - NASCET Criteria

**Right**  
Common: Minimal (<50%)  
Bifurcation: Minimal (<50%)  
Internal: Moderate (~60-69%)  
External: Minimal (<50%)  
Vertebral: Orthograde Flow  
Subclavian Artery: Triphasic Flow

**Left**  
Common: Minimal (<50%)  
Bifurcation: Moderate (~60-69%)  
Internal: Minimal (<50%)  
External: Minimal (<50%)  
Vertebral: Orthograde Flow  
Subclavian Artery: Triphasic Flow

**Conclusion:**

Right ICA - Large calcified plaque seen at the proximal ICA with poor echo window due to acoustic shadowing hence unable to accurately measure level or stenosis. Where seen, highest velocity taken at 157 cm/sec (PSVR 2.8, St Mary's ratio 11.2) suggestive of 60-69% stenosis. Distally, the Vessel appears patent with forward flow and rounded PSVs.

Left ICA - Calcified plaque seen at origin/proximal level with diving and deep ICA hence not easily visualised. Highest velocity seen at 195 cm/sec (PSVR 2.4 ) suggestive of 60-69% stenosis. Distally, the vessel appears patent with normal flow patterns.

Left ECA - Well developed ECA seen throughout.

Please suggest further imaging

Scanned and reported by Rhea Angel.

**Result History**

[US VAS doppler carotid artery bilateral \(Order #48315646\) on 27/10/2022 - Order Result History Report](#)

**Imaging Findings**

## US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Revelle Amy LITTLEWOOD Study date: 28/10/22

### 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:** 448 924 4460

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220299321

**Indications:**

? bilateral ocular ischaemic syndrome

**Findings:**

**Colour Duplex of the Extracranial Carotid Arteries**

██████████ verbally consented to the scan.

% stenosis - NASCET Criteria

*Right*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

*Left*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

NOVEMBER 2022

## Image Report



## US VAS doppler carotid artery bilateral

Order# 43922812

Other readers: Holly WATSON (Radiographer); Laura HAWORTH (Radiographer); Rhea ANGEL (Radiographer) Ordering clinician: Ian BRUCE Study date: 03/11/2022

## PACS Images

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## Study Result

Narrative &amp; Impression

**Patient NHS number:** 706 177 2506**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

ROA220055682

**Indications:**

Known Takayasu's with occluded left CCA and narrowed left ECA~40-50% narrowing right CCA~Update scan of CCA's and upper limb vessels in November 2022 (will be post-partum)~~(Information via Order Comms)

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (40-49%)

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde flow

Subclavian Artery: Triphasic Flow

Uniform Intima-media thickening along the length of the vessel based on grey-scale/colour images of the right CCA artery forming a 40-49% stenosis. No significant change since last scan (16/06/2021).

Minimal intima-media thickening visualised in the Mid ICA.

The carotid bifurcation, proximal ICA, and ECA are patent with no significant disease identified.

**Left**

Common: OCCLUDED

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Moderate (60-69%)

Vertebral: Orthograde flow

Subclavian Artery: Triphasic Flow

The CCA is completely thrombosed.

The ECA contains retrograde flow, refilling the ICA with low velocity orthograde flow.

Moderate intima-media thickening visualised in the proximal ECA forming a 60-69% stenosis. No significant change since last scan (16/06/2021).

**Conclusion**

No significant change from last scan (16/06/2021). Please re-refer if surveillance is required.

Scanned and reported by Holly Watson.

Checked by R.Angel.

## Image Report



### US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Abid IMAM Study date: 08/11/2022

#### 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:** 650 668 9250

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220342121

**Indications:**

? any evidence of carotid atherosclerosis

**Findings:**

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (<30%)

Bifurcation: Minimal (<30%)

Internal: Minimal (<30%)

External: Minimal (<30%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (<30%)

Bifurcation: Minimal (<30%)

Internal: Minimal (<30%)

External: Minimal (<30%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

#### Result History

[US VAS doppler carotid artery bilateral \(Order #52625943\) on 8/11/2022 - Order Result History Report](#)

## Image Report



## US VAS doppler carotid artery bilateral

Order# 51978049

Other reader: Holly WATSON (Radiographer) Ordering clinician: Shaneel SHAH Study date: 08/11/2022

## PACS Images

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

## Study Result

Narrative &amp; Impression

**Patient NHS number:** 466 325 4098**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220348001

**Indications:**

CT angio - 65% stenosis of the left ICA and 30% stenosis of the right ICA at the bifurcation. Cerebral TIA and worsening symptoms. please evaluate carotid arteries ?carotid endarterectomy

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

A chaperone was present - R.Angel.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;50%)

Bifurcation: Minimal (&lt;50%)

Internal: Minimal-Moderate (50-59%)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Biphasic Flow

**Left**

Common: Minimal (40-49%)

Bifurcation: Minimal (&lt;50%)

Internal: Minimal (40-49%)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

1. Rt. The CCA and ECA are minimally diseased with normal flow patterns. Small areas of mixed/calcified plaque identified in the proximal ICA with raised velocities detected (PSV 165 cm/s; PSVR 2.4 cm/s; St Mary's ratio 8.2 cm/s) suggestive of minimal to moderate stenosis.

2. Lt. The CCA, ECA, and ICA are minimally diseased with normal flow patterns. Small areas of smooth and mixed plaque with soft components identified in distal CCA. Small areas of mixed and calcified plaque identified in bifurcation, proximal ECA, and proximal ICA but no significantly raised velocities detected.

**Suggest further imaging if deemed clinically appropriate.**

Scanned and reported H.Watson and R.Angel.

## Image Report



## US VAS doppler carotid artery bilateral

Order# 5276748

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Abid IMAM Study date: 10/11/2022

## PACS Images

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

## Study Result

Narrative &amp; Impression

**Patient NHS number:** 618 848 4049**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

ROA220355062

**Indications:**

loss of vision left eye

**Findings:****Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;30%)

Bifurcation: Minimal (&lt;30%)

Internal: Minimal (&lt;30%)

External: Minimal (&lt;30%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;30%)

Bifurcation: Minimal (&lt;30%)

Internal: Minimal (&lt;30%)

External: Minimal (&lt;30%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

## Image Report



## US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Sheikh Tawqeer Yousuf RASHID Study date: 14/11/2022

## 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:** 442 095 8545

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220361883

**Indications:**

Carotid endarterectomy planned for 14/11 - corroborative imaging please

**Findings:****Colour Duplex of the Extracranial Carotid Arteries**

██████████ verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (<50%)  
Internal: severe (~70-79%)  
External: Minimal (<50%)  
Vertebral: Orthograde Flow  
Subclavian Artery: Biphasic Flow

**Left**

Common: Minimal (<50%)  
Internal: Severe (>90%)  
External: Minimal (<50%)  
Vertebral: Orthograde Flow  
Subclavian Artery: Biphasic Flow

**Conclusion****RIGHT**

Mixed plaques seen at the proximal ICA causing increase in velocity from 58 to 241 cm/sec (PSVR 4.1; ST Mary's ratio 14) suggestive of 70-79% stenosis (?? Elevated results due to contralateral stenosis)

**LEFT**

Mixed plaques with more soft component seen from the level of the bifurcation to proximal ICA causing increase in velocity from 45 to 445 cm/sec (PSVR 9.8; ST Mary's ratio 40) suggestive of > 90% stenosis. The ICA is patent distally.

Scanned and reported by Rhea Angel.

## Image Report



## US VAS doppler carotid artery bilateral

Other readers: Holly WATSON (Radiographer); Rhea ANGEL (Radiographer) Ordering clinician: Hanaa Farag Bekhet Abdelaziz AWAD Study date: 15/11/2022

## 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:** 454 027 6034

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220383271

**Indications:**

L eye vision loss for carotid doppler

**Colour Duplex of the Extracranial Carotid Arteries**

verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (<50%)

Bifurcation: Minimal (<50%)

Internal: Minimal (<50%)

External: Minimal (<50%)

Vertebral: Orthograde Flow

Subclavian Artery: Biphasic Flow

**Left**

Common: Minimal (<50%)

Bifurcation: Minimal (<50%)

Internal: Minimal (<50%)

External: Minimal (<50%)

Vertebral: Orthograde Flow

Subclavian Artery: Biphasic Flow

**Conclusion**

The carotid arteries are minimally diseased with normal flow patterns bilaterally. Small areas of calcified plaque identified in the bifurcation and proximal ICA bilaterally however no significant increase in velocities detected.

Scanned and reported by Holly Watson.

Checked by Rhea Angel.

## Result History

US VAS doppler carotid artery bilateral (Order #54932436) on 15/11/2022 - Order Result History Report

## Image Report



## US VAS doppler carotid artery bilateral

Order# 54890375

Other readers: Holly WATSON (Radiographer); Rhea ANGEL (Radiographer) Ordering clinician: Meghan CONNOLLY Study date: 15/11/2022

## PACS Images

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## Addendum

**Carotid stenoses calculated using ECST criteria.**

Addended by Holly WATSON on 15/11/2022 16:06

## Study Result

Narrative &amp; Impression

**Patient NHS number:** 612 778 4360**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220383227

**Indications:**

Non concurrent findings on CT and original USS duplex / results dont correlate clinically. Given young fit well pt there is debate as to whether surgery is correct option - repeat USS as per Mr Patel to help inform decision (MDT referral)

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

A chaperone was present - R.Angel.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (<40%)

Bifurcation: Minimal-Moderate (40-49%) - via diameter reduction.

Internal: Moderate (50-59%) - lower end via diameter reduction.

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (<40%)

Bifurcation: Moderate (50-59%) - via diameter reduction.

Internal: Moderate (50-59%) - upper end via diameter reduction.

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion****1. Rt.**

Mixed plaque with more soft component identified in the right bifurcation forming a 40-49% stenosis. No significantly raised velocities detected. Smooth mixed plaque with more soft component identified in the right proximal ICA forming a lower-end 50-59% stenosis. No significantly raised velocities detected.

**2. Lt.**

Smooth mixed plaque with more soft component identified in the left bifurcation extending into the proximal ICA forming a upper-end 50-59% stenosis. No significantly raised velocities detected.

Scanned and reported by Holly Watson and Rhea Angel.

## Result History

## Image Report



## US VAS doppler carotid artery bilateral

Order# 7198100

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Siva SARANYA, RN Study date: 17/11/2022

## PACS Images

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

## Study Result

Narrative &amp; Impression

**Patient NHS number:** 452 247 4229**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220245179

**Indications:**

Part of ECST-2 Research (R03829) follow up

**Findings:****Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;40%)

Bifurcation: Minimal-mod (&lt;50%)

Internal: Moderate (~50%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

No significant disease of the right carotid arteries.

Area of moderate mixed plaque in the left ICA origin.

No significant change in results since last scan (23/01/2020)

Scanned and reported by Rhea Angel.

## Result History

[US VAS doppler carotid artery bilateral \(Order #7198100\) on 17/11/2022 - Order Result History Report](#)

## Signed by

Signed

Date/Time

Phone

Pager

MRN: 10172079  
Bed: Bay C-17  
Resuscitation: ASSUME FULL

Archive

GMCR


Search

Isolation: None

Allergies: Gabapentin

ADMITTED: 16/11/2022 (8 D)  
Patient Class: Inpatient  
Expected Discharge: 4 d

US VAS DOPPLER CAROTID ARTERY BILATERAL  
pre op CABG, ex smoker, LMD

 Lucy Harriet STONES  
Ordering

Ht: 167.6 cm  
Wt: 84 kg  
BMI: 29.90 kg/m<sup>2</sup> !

IMAGING APPT TODAY  
08:15 in MRI CT IMAGING

RELEVANT LABS (LAST 90 DAYS)  
CREATININE 76 umol/L

ASSOCIATED PATHWAY PERIOD  
✓ 6 Week Non-DM01 Diagnostic

MEDICATION STATUS (23)  
✓ Done (11)  
○ In Progress (12)

Acknowledge Orders (2)  
eGFR: 90 mL/min/1.73m<sup>2</sup>

## US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Lucy Harriet STONES Study date: 22/11/2022

### 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:** Missing

#### Exam:

US VAS doppler carotid artery bilateral

#### Accession No.


R0A220406561

#### Indications:

pre op CABG, ex smoker, LMD

#### Findings:

##### Colour Duplex of the Extracranial Carotid Arteries

 verbally consented to the scan.

% stenosis - NASCET Criteria

#### Right

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

#### Left

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

#### Conclusion

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

### Result History

US VAS doppler carotid artery bilateral (Order #55550932) on 22/11/2022 - [Order Result History Report](#)

### Signed by

## Image Report



## US VAS doppler carotid artery bilateral

Order# 54723328

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Eftychia LAZARI Study date: 22/11/2022

## PACS Images

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

## Study Result

Narrative &amp; Impression

**Patient NHS number:** 622 695 4825**Exam:**

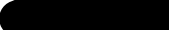
US VAS doppler carotid artery bilateral

**Accession No.**

R0A220270072

**Indications:**

assymetric DR, LE worse

**Findings:****Colour Duplex of the Extracranial Carotid Arteries** verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;30%)

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;30%)

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

## Result History

[US VAS doppler carotid artery bilateral \(Order #54723328\) on 22/11/2022 - Order Result History Report](#)

## Signed by

## Image Report



### US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Usman HAYAT Study date: 25/11/2022

#### 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:** 422 705 0065

##### Exam:

US VAS doppler carotid artery bilateral

##### Accession No.

R0A220284549

##### Indications:

Left possible ocular ischaemic syndrome ?unilateral carotid stenosis causing

##### Findings:

##### Colour Duplex of the Extracranial Carotid Arteries

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

##### Right

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

##### Left

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

##### Conclusion

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

#### Result History

[US VAS doppler carotid artery bilateral \(Order #50819607\) on 25/11/2022 - Order Result History Report](#)

## Image Report

[Show result comparison](#)

## Results History

US VAS doppler carotid artery bilateral (Order 55313671)

25/11/2022 11:14 - Rhea ANGEL

## Narrative &amp; Impression

**Patient NHS number:** 480 094 7367**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220405353

**Indications:**

pre OP CABG with LM disease.

**Findings:****Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;40%)

Bifurcation: Minimal (~50%) ( by diameter reduction )

Internal: Minimal to moderate (~50-59%)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;50%)

Bifurcation: Minimal (~50%) (by diameter reduction)

Internal: Minimal (&lt;50%)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion****Right carotid**

Patent carotid arteries.

Calcified plaques seen at the origin of the ICA/ bifurcation causing ~50% luminal narrowing by diameter reduction.

At proximal ICA, further calcified plaques seen causing velocity disturbance to 168 cm/sec (PSVR 2.2, ST, Mary's ratio 8.4) suggestive of 50-59% stenosis.

**Left carotid**

Patent carotid arteries.

Calcified plaques seen at the level of carotid bifurcation to proximal ICA causing ~50% luminal narrowing by diameter reduction. No significant increase in velocities seen.

Scanned and reported by Rhea Angel.

25/11/2022 10:47 - Rhea ANGEL

Result not yet available

Exam Ended

## US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Simon BYATT Study date: 06/12/2022

### 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:** 618 627 1471

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220394269

**Indications:**

LMS stenosis - pre-op CABG

**Findings:**

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

*Right*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

*Left*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion:**

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

## US VAS doppler carotid artery bilateral

Order# 61547955

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Eason SIVAYOHAM, MD Study date: 08/12/2022

### PACS Images

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

### Study Result

Narrative &amp; Impression

**Patient NHS number:** 454 024 7565**Exam:**


US VAS doppler carotid artery bilateral

**Accession No.**

R0A220419067

**Indications:**

Right sided pulsatile tinnitus ?carotid stenosis

**Findings:****Colour Duplex of the Extracranial Carotid Arteries** verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;40%)

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;40%)

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion****Right carotid - patent vessels with normal flow velocities seen from CCA to proximal ICA. Diving ICA with increased velocities seen distally to 282 cm/sec, ??? Vessel geometry (unable to clearly visualise in B-mode due to depth, please suggest further imaging if indicated).****Left carotid - patent vessels with normal flow velocities from CCA to proximal ICA. Diving ICA with highest velocity taken to 176 cm/sec, ?possibly due to vessel geometry.**

Scanned and reported by Rhea Angel.

## US VAS doppler carotid artery bilateral

Order# 59149888

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Ahmed Yousry Fekry Abdo ELSHAHAT Study date: 12/12/2022

### PACS Images

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

### Study Result

Narrative &amp; Impression

**Patient NHS number:** 454 096 3465**Exam:**


US VAS doppler carotid artery bilateral

**Accession No.**

R0A220419599

**Indications:**

Sever bilateral ischaemic changes

**Findings:****Colour Duplex of the Extracranial Carotid Arteries** verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;50%)

Bifurcation: Minimal - moderate (~50-59%) ( By diameter reduction)

Internal: Minimal (&lt;50%)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow ( intermittent colour filling and low flow velocity)

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;50%)

Bifurcation - Internal: Minimal - moderate (~50-59%) ( By diameter reduction)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion****Right Carotid****Patent carotid arteries with mixed plaques (?areas of soft component) seen at the level of the bifurcation causing ~50-59% diameter reduction however no significant increase in velocities detected.****Left Carotid****Patent carotid arteries with mixed plaques (?areas of soft component) seen from the level of the bifurcation to the proximal ICA causing ~50-59% diameter reduction however no significant increase in velocities detected.**

Scanned and reported by Rhea Angel.

## US VAS doppler carotid artery bilateral

Other reader: Holly WATSON (Radiographer) Ordering clinician: Ayushna GANGULY Study date: 13/12/2022

### 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:** 707 283 1401

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220330082

**Indications:**

evidence of opto-ciliary shunt on fundus exam right eye

### Colour Duplex of the Extracranial Carotid Arteries

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

*Right*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

*Left*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

### Conclusion

**The carotid arteries are minimally diseased with normal flow patterns bilaterally.**

**Small areas of irregular mixed/calcified plaque identified in the CCAs bilaterally. Tortuous ICAs bilaterally.**

Scanned and reported by Holly Watson.

Checked by R.Angel.

## US VAS doppler carotid artery bilateral

Other readers: Holly WATSON (Radiographer); Rhea ANGEL (Radiographer) Ordering clinician: Nurul Ain MASNON Study date: 13/12/2022

### 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:** 448 885 6489

**Exam:**

US VAS doppler carotid artery bilateral


**Accession No.**

R0A220511686

**Indications:**

to rule out carotid stenosis

### Colour Duplex of the Extracranial Carotid Arteries

 verbally consented to the scan.

% stenosis - NASCET Criteria

*Right*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

*Left*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Biphasic Flow

### Conclusion

**The carotid arteries are minimally diseased with normal flow patterns bilaterally.**

Scanned and reported by Holly Watson.

Checked by Rhea Angel.

## US VAS doppler carotid artery bilateral

Order# 63392711

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Mohammed ASHRAFI Study date: 19/12/2022

### PACS Images

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

### Study Result

Narrative &amp; Impression

**Patient NHS number:** 468 548 4770**Exam:**

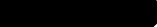
US VAS doppler carotid artery bilateral

**Accession No.**

R0A220538896

**Indications:**

TIA 3 weeks ago. Left CEA on CT near occlusion of ICA. Need urgent duplex this morning to assess if still patent prior to surgery. please mark bifurcation. thanks

**Findings:****Colour Duplex of the Extracranial Carotid Arteries** verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;40%)

Bifurcation: Minimal (&lt;40%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Biphasic Flow

**Left**

Common: Minimal (&lt;40%)

Bifurcation-Internal: moderate to severe (~60-69%)

External: Minimal (&lt;50%)

Vertebral: Orthograde Flow

Subclavian Artery: Biphasic Flow

**Conclusion**

Right:

The right carotid arteries are minimally diseased with normal flow patterns.

**Left:**

Mixed plaques seen from the bifurcation level to proximal ICA (~1.8 cm in length) causing increase in velocity from 74 cm/sec to 227 cm/sec (PSVR 3.0) suggestive of 60-69% stenosis. The ICA is patent distally.

Scanned and reported by Rhea Angel.

## US VAS doppler carotid artery bilateral

Order# 63

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Chrysanthos LAOUDIKOS Study date: 20/12/2022

### PACS Images

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### Study Result

Narrative &amp; Impression

**Patient NHS number:** 442 286 2693**Exam:**


US VAS doppler carotid artery bilateral

**Accession No.**

ROA220411710

**Indications:**

LE incidental retinal arterial embolus

**Findings:****Colour Duplex of the Extracranial Carotid Arteries** verbally consented to the scan.

% stenosis - NASCET Criteria

**Right**

Common: Minimal (&lt;40%)

Bifurcation: Minimal (~40-49%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Left**

Common: Minimal (&lt;40%)

Bifurcation: Minimal (~40-49%)

Internal: Minimal (&lt;40%)

External: Minimal (&lt;40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

Right - mixed plaques seen at the level of the bifurcation with no significant increase in velocity detected.

Left - mixed plaques with more calcified component seen from the level of the bifurcation to proximal ICA. No significant increase in velocities detected.

Scanned and reported by Rhea Angel

## US VAS doppler carotid artery bilateral

Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Omar Saleem Mustafa GAWAGZEH Study date: 05/01/2023

### 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:** 442 272 5807

**Exam:**

US VAS doppler carotid artery bilateral

**Accession No.**

R0A220488678

**Indications:**

2020 RT eye NION

**Findings:**

**Colour Duplex of the Extracranial Carotid Arteries**

[REDACTED] verbally consented to the scan.

% stenosis - NASCET Criteria

*Right*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

*Left*

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

**Conclusion**

The carotid arteries are minimally diseased with normal flow patterns bilaterally.

Scanned and reported by Rhea Angel.

## US VAS doppler carotid artery bilateral


Other reader: Rhea ANGEL (Radiographer) Ordering clinician: Samuel BLACKWELL Study date: 12/01/2023

### PACS Images

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### Addendum

#### Colour Duplex of the Extracranial Carotid Arteries

 verbally consented to the scan.

% stenosis - NASCET Criteria

#### Right

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

#### Left

Common: Minimal (<40%)

Bifurcation: Minimal (<40%)

Internal: Minimal (<40%)

External: Minimal (<40%)

Vertebral: Orthograde Flow

Subclavian Artery: Triphasic Flow

#### Conclusion:

The carotid arteries are minimally diseased with normal flow patterns bilaterally.  
No significant change from previous scan (06/08/2021)

Scanned and reported by Rhea Angel.