



ASCEND Analytics®

IAC-Vascular reports

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Table of Contents

1.	IAC-VASCULAR Reports	3
1.1	Vascular study volume by physician and IAC-VASCULAR category (131).....	3
1.2	Vascular study volume by sonographer and IAC-VASCULAR category (134).....	4
1.3	Case list for positive DVT (141).....	5
1.4	Case List for abnormal carotid studies (142)	6
1.5	Case list for abnormal arterial studies (143)	7
1.6	Case list for significant changes (144)	8
1.7	Count of changes from preliminary by sonographer (145).....	9
1.8	Case list for vascular IAC candidate flag (254)	9

1. IAC-VASCULAR Reports

ASCEND Analytics ships with a set of canned reports to support IAC-VASCULAR submission, described below.

1.1 Vascular study volume by physician and IAC-VASCULAR category (131)

Report #	131
Report name	Vascular study volume by physician and IAC-VASCULAR category
Description	For the specified criteria, this report breaks down the total number of studies by each physician according to study type. .
Query parameters	From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters <p>Report: Lists the count of all studies meeting the criteria for each physician by study type, reported as number of studies.</p> <p>For each physician:</p> <ul style="list-style-type: none"> • Intracranial/TCD • Extracranial/Carotid • Arterial • Physiologic • Venous • Visceral • Other • Total <p>Note: "Other" study type consists of studies with procedures that do not fall in any of the other IAC-VASCULAR categories.</p>
Data sources	
Study date	External
Physician	External
Study type	Study data -> Study title -> Study type

1.2 Vascular study volume by sonographer and IAC-VASCULAR category (134)

Report #	134
Report name	Vascular study volume by sonographer and IAC-VASCULAR category
Description	For the specified criteria, this report breaks down the total number of studies by each sonographer according to study type This report is useful in tracking each sonographer's total experience.
Query parameters	From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters <p>Report: Lists the count of all studies meeting the criteria for each physician by study type, reported as number of studies.</p> <p>For each physician:</p> <ul style="list-style-type: none"> • Intracranial/TCD • Extracranial/Carotid • Arterial • Physiologic • Venous • Visceral • Other • Total <p>Note: "Other" study type consists of studies with procedures that do not fall in any of the other IAC-VASCULAR categories.</p>
Data sources	
Study date	External
Sonographer	External
Study type	Study data -> Study title -> Study type

1.3 Case list for positive DVT (141)

Report #	141
Report name	Case list for positive DVT
Description	For the specified criteria, this report identifies all studies that demonstrated deep vein thrombosis (DVT). This report is mainly intended to assist in selection of cases for IAC-VASCULAR accreditation.
Query parameters	From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility Image quality: all or select Case selection: [Cases positive for DVT] or [Cases marked as IAC-VASCULAR venous accreditation candidates]
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters • Deep vein thrombosis is present (when case selection is set to cases positive for DVT) • Marked as IAC-VASCULAR venous accreditation candidate (when case selection is set to cases marked as IAC-VASCULAR venous accreditation candidate) <p>Report:</p> <p>Lists all studies meeting the criteria including the following study data for each:</p> <ul style="list-style-type: none"> • Patient name, Patient ID, Study date and Study type • Physician and Sonographer • Image quality • Deep vein thrombosis details
Data sources	
Sonographer, Physician, Patient name, Patient ID, Study ID, Study date	External
DVT location	Veins -> Individual veins -> Vein -> RLE, LLE, Abdominal
DVT	Veins -> Individual veins -> Thrombus, mass -> Description
IAC-VASCULAR venous accreditation candidate	Study data -> Data archives -> IAC-VASCULAR accreditation
Image quality	Procedure narrative -> Vascular ultrasound -> Image quality

1.4 Case List for abnormal carotid studies (142)

Report #	142
Report name	Case list for abnormal carotid studies
Description	For the specified criteria, this report identifies all studies that demonstrated abnormal carotids. This report is mainly intended to assist in selection of cases for IAC-VASCULAR accreditation.
Query parameters	<p>From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility Image quality: all or select Case selection: [Cases positive for carotid abnormality] or [Cases marked as IAC-VASCULAR carotid accreditation candidates]</p>
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters • Carotid pathology is present • Positive for carotid abnormality is present or IAC-VASCULAR carotid accreditation candidates is present <p>Report: Lists all studies meeting the criteria including the following study data for each:</p> <ul style="list-style-type: none"> • Patient name, Patient ID, Study date and Study type • Physician and Sonographer • Image quality • Carotid abnormality location
Data sources	
Sonographer, Physician, Patient name, Patient ID, Study ID, Study date	External
Abnormality location	Arteries -> Carotid/vertebral -> Artery
Abnormality	Arteries -> Carotid/vertebral -> Lesions (FS root), or Arteries -> Carotid/vertebral -> Lesions ->Diagnostic description -> Lesion type
Image quality	Procedure narrative -> Vascular ultrasound -> Image quality

1.5 Case list for abnormal arterial studies (143)

Report #	143
Report name	Case list for abnormal arterial studies
Description	For the specified criteria, this report identifies all studies that demonstrated arterial abnormalities. This report is mainly intended to assist in selection of cases for IAC-VASCULAR accreditation.
Query parameters	From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility Filter for image quality Case selection: [Cases positive for arterial abnormality] or [Cases marked as IAC-VASCULAR arterial accreditation candidates]
Requirements	Studies are selected if: <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters • Arterial pathology is present Report: Lists all studies meeting the criteria including the following study data for each: <ul style="list-style-type: none"> • Patient name, Patient ID, Study date and Study type • Physician and Sonographer • Image quality • Arterial abnormality location
Data sources	
Sonographer, Physician, Patient name, Patient ID, Study ID, Study date	External
Abnormality	Arteries -> Subclavian -> Lesions Arteries -> Abdominal -> Lesions Arteries -> Lower extremity -> Lesions Arteries -> Lower extremity grafts -> Lesions Aorta -> Pathology -> Stenosis, coarctation -> Stenosis description Aorta -> Pathology -> Stenosis, coarctation (FS root) Aorta -> Pathology -> Aneurysm, ectasia (aortic aneurysm may be selected but rare) Abnormalities are in the Lesions FS root (coded with lesionType) or at Diagnostic description -> Lesion type (specific types).
Abnormality location	Arteries -> Subclavian -> Artery Arteries -> Abdominal -> Artery Arteries -> Lower extremity -> Artery Arteries -> Lower extremity grafts -> Type, origin, target -> Target vessel Aorta
Physiologic vs. Duplex	Study data -> Vascular components->Study components
Image quality	Procedure narrative -> Vascular ultrasound -> Image quality

1.6 Case list for significant changes (144)

Report #	144
Report name	Case list for significant changes
Description	For the specified criteria, this report identifies all studies that differed significantly from their preliminary reports.
Query parameters	<p>From date: date of the first report of interest</p> <p>To date: date of the last report of interest</p> <p>Facility: all or a specific facility</p> <p>Physician: all or a specific physician</p> <p>Fellow: all or a specific fellow</p> <p>Sonographer: all or a specific sonographer</p>
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters • Study is marked as having a significant change <p>Report:</p> <p>Lists all studies meeting the criteria including the following study data for each:</p> <ul style="list-style-type: none"> • Patient name, Patient ID, Study date and Study type • Physician and Sonographer • Image quality • Notes on changes from preliminary
Data sources	
Study type	Study data -> Study Title -> Study type
Changes from preliminary	Study data -> Data archives -> Changes from preliminary
Specific changes	Study data -> Data archives -> Specific changes
Patient name and ID	External
Study date	External
Sonographer	External
Fellow	External
Physician	External

1.7 Count of changes from preliminary by sonographer (145)

Report #	145
Report name	Count of changes from preliminary by sonographer
Description	For the specified criteria, this report breaks down the total number of studies that differed significantly from their preliminary reports by each sonographer.
Query parameters	From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the vascular knowledge base • They meet the selected filter parameters • They are performed by a sonographer <p>Report:</p> <p>Lists the count of all studies meeting the criteria for each of the categories below.</p> <ul style="list-style-type: none"> • # of studies with no preliminary report • # of studies with nothing recorded for preliminary changes • # of preliminaries marked as 'no significant changes' • # of preliminaries marked as 'significant changes' • % of preliminaries marked 'significant changes'
Data sources	
Changes from preliminary	Study data -> Data archives -> Changes from preliminary
Sonographer	External

1.8 Case list for vascular IAC candidate flag (254)

Report #	254
Report name	Case list for vascular IAC candidate flag
Description	Lists all vascular studies within the given date range that have any IAC candidate flag recorded, i.e., all studies that were marked during reporting as IAC vascular accreditation candidates
Query parameters	From date: date of the first report of interest To date: date of the last report of interest Facility: all or a specific facility Study type: all or specific study Confirming physician: all or specific physician Sonographer: all or specific sonographer IAC candidate flag: all or specific candidate flag

Report #	254
Requirements	<p>Studies are selected if:</p> <ul style="list-style-type: none"> • They were reported in the adult vascular knowledge bases • They meet the selected filter parameters <p>Report:</p> <p>Lists all studies meeting the criteria including the following study data for each:</p> <ul style="list-style-type: none"> • Physician • Sonographer • Patient name, DOB, MRN • Study date • Study type • Admission status • Image quality • IAC candidate flag
Data sources	
Study date, Facility, Physician, Sonographer,	External
Study type	Study data -> Study title -> Study type
Admission status	Study data -> Study status and location -> Patient status
Image quality	Procedure narrative -> [any valid procedure] -> Image quality
IAC Candidate	Study data -> Data archives -> IAC Candidate