


# TRAKnet™ Lab Study Reports


Reporting is quick, easy, and customizable.

Customize reports with your office address, accreditation status, and practice logo.

Main Office  
4215 White Bear Parkway  
St. Paul, MN 55110  
Tel: (888)889-8997  
Fax: (651)762-4014



Accredited in Extracranial Cerebrovascular,  
Intracranial Cerebrovascular, Arterial,  
Venous and Visceral Vascular Testing



### PERIPHERAL ARTERIAL TESTING (LOWER)

Name John Doe	Phone #	PIN 00000000	Sex Male	Age 65	Date of Exam 10/21/2005
Referring Physician Sheila Amick, M.D.	Phone # (703) 318-7191	Tape #	Date of Birth 1/1/1940	Previous Exam 10/21/2005	

**Indications** Claudication (left side)

**Risk Factors** Diabetes: Severe Hypertension: Mild Tobacco: Moderate Hyperlipidemia: Mild  
**Assoc. illness** Cardiac: Moderate Carotid: Severe Pulmonary: Mild


**Notes**

Right		Results		Left	
Segmental Pressures	Ankle/Brachial Index	Segmental Pressures	Ankle/Brachial Index	Segmental Pressures	Ankle/Brachial Index
Brachial	122	1.00	Brachial	122	1.00
High thigh	122	Doppler Waveforms	High thigh	122	Doppler Waveforms
Low thigh	122	Normal	Low thigh	122	Normal
Calf	122	Pulse Volume Recording	Calf	122	Pulse Volume Recording
Posterior Tibial	122	Normal	Posterior Tibial	120	Normal
Dorsalis Pedis	122		Dorsalis Pedis	122	
Peroneal			Peroneal		
Metatarsal			Metatarsal		
Toe pressure			Toe pressure		

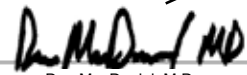
**Interpretation**

Mild peripheral vascular occlusive disease in the right leg. Disease is located in the aorto-iliac, femoral, popliteal and tibial/peroneal segments on the right side. No evidence of significant peripheral vascular occlusive disease at rest in the left leg. The right ankle/brachial index is 1.00 and the left ankle/brachial index is 1.00.

Would consider vascular consultation and angiography.



Electronic signature  
Pamela Moore, R.V.T.  
Technologist : 2/3/2006 10:55:59 AM



Electronic signature  
Don MacDaniel, M.D.  
Physician : 2/3/2006 10:56:01 AM

Import patient demographics directly from your Electronic Medical Records<sup>1</sup>

Automated interpretations given with user-definable criteria or a user-defined library of statements

Send test results to your Electronic Medical Records<sup>2</sup>

Electronic signatures are automatically inserted.

<sup>1</sup> With HL-7 In-bound messaging. Call for a list of companies TRAKnet Lab works with.  
<sup>2</sup> With HL-7 Out-bound messaging. Call for a list of companies TRAKnet Lab works with.

# TRAKnet Lab Study Reports

Create drawings and modify settings to customize reports.

Customized office address, accreditation, & practice logo

**Main Office**  
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Accredited Vascular Laboratory  
IAVLC  
Accredited in Extracranial Cerebrovascular, Intracranial Cerebrovascular, Arterial, Venous and Visceral Vascular Testing

**CEREBROVASCULAR DUPLEX**

Name Arva** Smith001410**	Phone # (540) 111-1111	PIV 001410	Sex Female	Age 83	Date of Exam 7/6/2004
Referring Physician MD Sheila Austin	Phone # (703) 318-7191	Tap #	Date of Birth 1/23/1921	Previous Exam / /	

**Indications** Transient ischemic attacks (right hemisphere) < 6 weeks, Amaurosis fugax (right hemisphere) < 6 weeks  
**Risk Factors** Diabetes: Severe Hypertension: Severe Tobacco: Severe Hyperlipidemia: Severe  
**Assoc. Illness** Cardiac: Severe Carotid: Severe Pulmonary: Severe Renal: Severe  
**Notes** Bilateral vein ligations; takes Coumadin due to atrial fibrillation

Brachial Pressures R:122/84 L:124/88

<b>Right Carotid</b>	<b>Results</b>	<b>Left Carotid</b>
155.0 / 24.0	Peak Systolic Velocity cm/s	122.0 / 26.0
150.0 / 15.0	End Diastolic Velocity cm/s	251.0 / 12.0
154.0 / 51.0		160.0 / 50.0
150.0 / 50.0		162.0 / 22.0
120.0 / 50.0		122.0 / 15.0
122.0 / 15.0		122.0 / 26.0

Right ICA Stenosis Severe 50-79%      Left ICA Stenosis Severe 50-79%

Vertebral Antegrade	Subclavian Normal	ICA/CCA ratios Right Left	Subclavian Normal	Vertebral Antegrade
Sys: 120.0 Dia: 25.0	Sys: 120.0	1.0 1.0	Sys: 120.2	Sys: 120.0 Dia: 45.0

**Interpretation**  
Bilateral severe 50-79% stenosis of the internal carotid arteries. No significant stenosis in the left external carotid artery. Probable hemodynamically significant stenosis in the right external carotid artery. Antegrade flow in both vertebral arteries. Normal flow in both subclavian arteries. Plaque Morphology: heterogenous plaque in the bulb and right ICA. heterogenous plaque in the bulb and left ICA. Would consider vascular consultation.

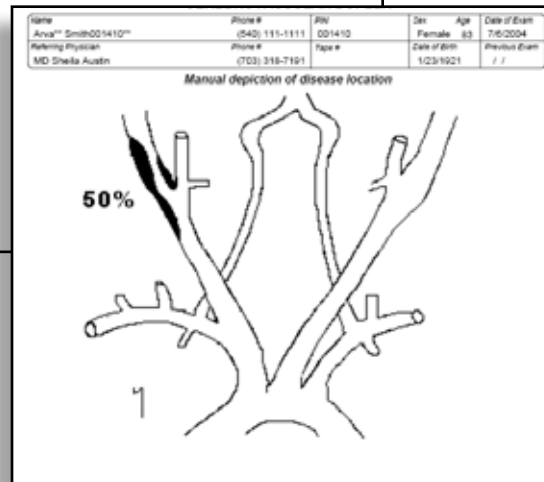
*Pamela Moore RVT* Electronic signature  
Pamela Moore, R.V.T.  
Technologist : 2/3/2006 10:17:21 AM

Data measurements may be exported directly to your Electronic Medical Records\*

Automated interpretations given with user-definable criteria or a user-defined library of statements

User definable ratio setting

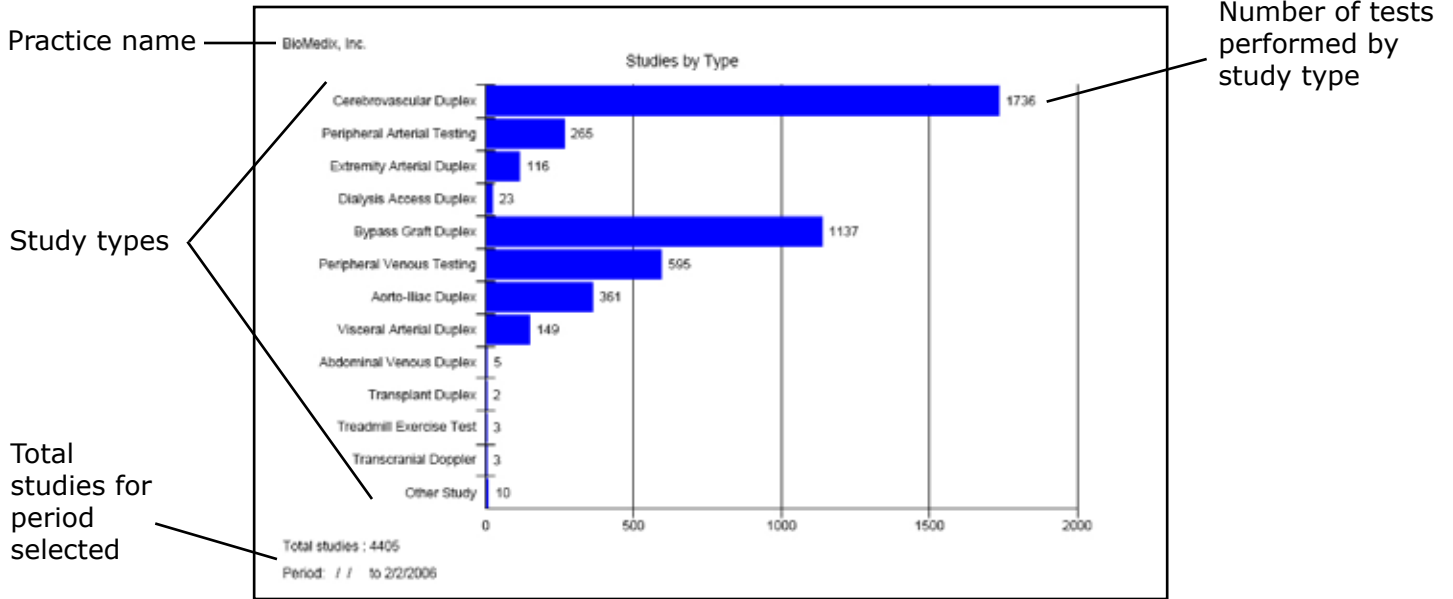
Show specific disease location with customized drawings



\*With the purchase of HL-7 out-bound messaging. Call for a list of companies TRAKnet Lab works with.

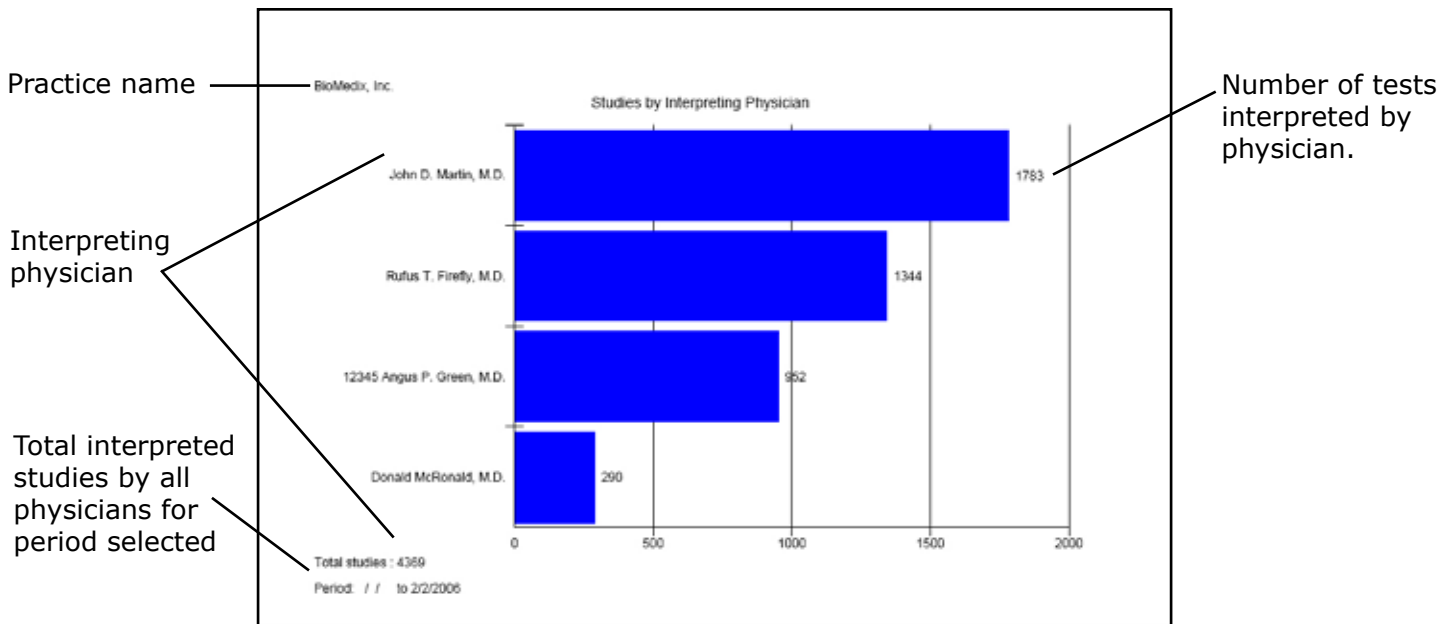
# TRAKnet™ Lab Studies by Type

Track volume by type or interpreting physician.



# Studies by Interpreting Physician

Compare study volumes by physician.



# TRAKnet™ Lab Visit Log

Support staff with detail of studies and procedure orders.

Period selected

Patient name

Procedure code for billing reference

Patient's referring physician

Primary indication for performing study

TRAKnet Lab							Page	1
Visit Log							Date	2/5/2006
Date/Time	Patient	PHN	Study	CPT	Primary Indication	Referring Physician	Tech.	Phys.
5/19/2002 8:27:00	LASTNAME, FIRSTNAME	000267	Cerebral			Smith, John		
5/19/2002 8:27:00	LASTNAME, FIRSTNAME	000267	Cerebral			Smith, John		WZH
5/19/2002 8:27:00	Mouse, Mickey	000082	Cerebral	93880	Amaurosis fugax	Smith, John		
5/19/2002 8:27:00	Mouse, Mickey	000082	Cerebral	93880	Amaurosis fugax	Smith, John		
5/19/2002 8:27:00	Smith, Jane	000-00-2	Cerebral	93880	Amaurosis fugax	Smith, John		JGD
5/19/2002 8:27:00	Smith, Jane	000-00-0001	Cerebral			Smith, John		WZH
5/19/2002 8:27:00	Smith, Jane	000-00-0001	Cerebral	93880	Amaurosis fugax	Smith, John		WZH
5/19/2002 8:27:00	Smith, Jane	000-00-2	Cerebral	93880	Amaurosis fugax	Smith, John		JTC
5/19/2002 8:27:00	Smith, Jane	000-00-2	Cerebral	93880	Amaurosis fugax	Smith, John		JTC
5/19/2002 8:27:00	Smith, Jane	000-00-0001	Cerebral	93880	Amaurosis fugax	Smith, John		WZH
11/3/2003 12:11:56	Smith000953, Bertha	000953	Peripheral	93923	Digital cyanosis	Allen, Sheila		WZH
12/3/2003 8:32:45	Mouse, Mickey	000082	Cerebral	93880	radiating			
12/3/2003 10:41:45	LASTNAME, FIRSTNAME	000267	Cerebral					
12/3/2003 11:01:14	Smith001085, Amelia	001085	Cerebral	93880				
12/3/2003 3:04:57	Mouse, Mickey	000082	Dialysis		Clinical change			
12/4/2003 9:59:35	Mouse, Mickey	000082	Cerebral	93880	Transient ischemic attacks			
12/5/2003 9:25:22	LASTNAME, FIRSTNAME	000358	Cerebral	93880	Amaurosis fugax			
12/10/2003 9:00:29	Mouse, Mickey	000082	Peripheral	93923		Aigner, Sheila		
12/10/2003 9:39:40	Mouse, Mickey	000082	Cerebral	93880		Basile, Sheila		
12/12/2003 10:33:09	Mouse, Mickey	000082	Peripheral	93923		Aigner, Sheila		
12/17/2003 11:18:46	Mouse, Mickey	000082	Aorto-iliac	93978		Aigner, Sheila		
12/17/2003 11:25:46	Mouse, Mickey	000082	Aorto-iliac			Aigner, Sheila		
2/12/2004 11:19:56	Mouse, Mickey	000082	Peripheral			Aigner, Sheila		
3/4/2004 12:24:53	Smith178426, Ieona	178426	Peripheral	93923	Absent peripheral pulses			
4/3/2004 2:59:26 PM	Mouse, Mickey	000082	Peripheral			Aigner, Sheila		
4/13/2004 9:12:19	Smith000953, Bertha	000953	Peripheral	93923	Follow-up limb revascularization	Allen, Sheila		
4/16/2004 11:37:27	Smith000953, Bertha	000953	Peripheral	93923		Allen, Sheila		
4/16/2004 1:35:50	Mouse, Mickey	000082	Peripheral			Aigner, Sheila		

# TRAKnet™ Lab Correlation Analysis

Ensure accurate results and ICAVL accreditation.

Period Selection

# of carotid studies sampled against a confirmation study

Reports show accuracy, sensitivity and specificity against a gold standard you choose, such as angiography, MRI, etc.

Correlation Analysis : Cerebrovascular Duplex									Date	2/5/2006
Period: / / to / /		Total studies	1736	% with confirmation	1.27					
Confirmation study										
Category	Sample	Sensitivity	Specificity	PPV	NPV	Over	Under	Accuracy		
Internal carotid artery stenosis	15	45.45	100.00	50.00	54.55	20.00	6.67	73.33		
Vertebral artery	11	60.00	85.71	100.00	75.00	0.00	16.16	81.82		
Internal carotid artery stenosis	3	0.00	100.00	0.00	50.00	0.00	66.67	33.33		
Vertebral artery	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Internal carotid artery stenosis	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Vertebral artery	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Selection : [ All Locations ] [ All Technologists ] [ All Physicians ]

Legend: PPV = Positive Predictive Value NPV = Negative Predictive Value