Lower Extremity DVT



- 1. Compression every 2 cm (or less) in (short axis) transverse plane with non-compression comparison in B-mode of following veins. Also include Spectral Doppler waveforms from the long axis for each of the following:
 - R/L common femoral vein (CFV)
 - R/L greater saphenous vein (GSV) at origin, approximately first 2 cm. If whole extremity occluded, document entire GSV
 - R/L proximal deep femoral vein (DFV)
 - R/L superficial femoral vein (FV) prox, mid, and dist
 - R/L popliteal vein (POP V)
 - R/L posterior tibial vein (PTV)
- 2. Interrogate all deep calf veins seen.
- 3. Spectral Doppler waveform with augmentation at CFV unless DVT seen. *No augmentation if DVT seen.*
- 4. If DVT seen at CFV, image IVC and iliac veins.
- 5. On all studies, include spectral Doppler waveforms from long axis for bilateral CFVs or bilateral EIVs.
- 6. Document prominent lymph nodes.
- 7. Document/measure popliteal cysts in three dimensions.
- 8. Make note whether or not thrombus occlusive.

DVT is Critical Finding and must be reported STAT.

Interpretation Criteria

Venous compression and color Doppler imaging performed on CFV, FV, POP V, PTV, proximal DFV, and proximal GSV. Abnormal findings include incomplete compression of vessel or failure to document color Doppler signal in all or part of vessel lumen. Complete or incomplete occlusion should be documented. Additional findings including (but not limited to) soft tissue edema, masses, or collateral vessels also documented.

TRALower Extremity DVT WorksheetSONOGRAPHER NOTES

INDICATIONS	DATE/TIME	
	SONOGRAPHER	

RIGHT	Thrombus		Findings/Limitations
CFV	+	-	
GSV junction	+	-	
DFV	+	-	
Prox FV	+	-	
Mid FV	+	-	
Dist FV	+	-	
POP V	+	-	
PTV	+	-	

Thrombus		Findings/Limitations
+	-	
+	-	
+	-	
+	-	
+	-	
+	-	
+	-	
+	-	
	Thron + + + + + + + + + +	Thrombus + -



□ Bilateral CFV or EIV Spectral Doppler waveforms from long axis

Comments	5					
SONOGRAPHER CONFIRMATION: My signature confirms that instructions have been provided to the conscious patient regarding this exam, that US utilizes sound waves rather than ionizing radiation, and that coupling gel is used to improve the quality of the exam. Sonographer's Signature						
FMC	КМС	СМС	ТМС	NHSC	Name / MR # / Label	
KIC	MIC	PI	ті			
MFP	SFP	Other				

US Lower Extremity DVT Worksheet

Upper Extremity DVT



- 1. Grayscale with comparison compression in trans plane:
 - R/L internal jugular (IJ) vein,
 - Subclavian (SUBC) vein,
 - Innominate (INN) vein when seen,
 - Axillary (AXIL) vein,
 - Brachial (BRACH) vein,
 - Cephalic (CEPH) vein, and
 - Basilic (BAS) vein.
- 2. Color/spectral Doppler assessment:
 - R/L internal jugular (IJ) vein,
 - Subclavian (SUBC) vein,
 - Innominate (INN) vein when seen,
 - Axillary (AXIL) vein,
 - Brachial (BRACH) vein,
 - Cephalic (CEPH) vein, and
 - Basilic (BAS) vein.
- **3.** Spectral Doppler waveform with augmentation at AXIL unless DVT seen. *No augmentation if DVT seen.*
- 4. On all studies, include spectral Doppler waveforms from long axis of bilateral subclavian veins.

Symptomatic/abnormal areas (i.e., forearms) generally require additional evauation.

Make note whether or not thrombus occlusive.

DVT is Critical Finding and must be reported STAT.

Upper Extremity DVT WorksheetSONOGRAPHER NOTES

INDICATIONS	DATE/TIME	
	SONOGRAPHER	

RIGHT	Thrombus		Findings/Limitations
IJ	+	-	
SUBC	+	-	
AXIL	+	-	
BRACH	+	-	
СЕРН	+	-	
BAS	+	-	

LEFT	Thrombus		Findings/Limitations
IJ	+	-	
SUBC	+	-	
AXIL	+	-	
BRACH	+	-	
СЕРН	+	-	
BAS	+	-	

□ Bilateral SUBC spectral Doppler waveforms in long axis

Comment	S						
SONOGRAPHER CONFIRMATION: My signature confirms that instructions have been provided to the conscious patient regarding this exam, that US utilizes sound waves rather than ionizing radiation, and that coupling gel is used to improve the quality of the exam. Sonographer's Signature							
FMC	КМС	СМС	тмс	NHSC	Name / MR # / Label		
KIC	MIC	PI	TI				
IVIEP	255	Uther					

US Upper Extremity DVT Worksheet



Lower Extremity Venous Mapping

- Place proximal blood pressure cuff or tourniquet (whenever possible) prior to making venous diameter measurements.
- Wait at least 2 minutes after blood pressure cuff placed before taking measurements.
 - Device can be removed for small rest and then replaced during case if patient becomes uncomfortable. (Remember to wait at least two minutes after placement before taking measurements.)
- 1. R/L greater saphenous vein (GSV) measured in transverse outer to outer diameter.
- 2. Use very light pressure.
- 3. Mark location and measurement with permanent marker for each of following areas:
 - Upper thigh,
 - Mid thigh,
 - Above knee,
 - Below knee,
 - Mid calf, and
 - Ankle.

GSV also measured at origin but not mapped.

Note location of any thrombus and whether or not occlusive.

DVT is Critical Finding and must be reported STAT.





RA Lower Extremity Venous Mapping Worksheet

INDICATIONS	DATE/TIME	
	SONOGRAPHER	

RIGHT		LEFT
cm	Great Saphenous Vein (GSV)	cm
cm	Upper Thigh	cm
cm	Mid Thigh	cm
cm	Above Knee	cm
cm	Below Knee	cm
cm	Mid Calf	cm
cm	Ankle	cm

SONOGRAPHER CONFIRMATION: My signature confirms that instructions have been provided to the conscious patient regarding this exam, that US utilizes sound waves rather than ionizing radiation, and that coupling gel is used to improve the quality of the exam.

Sonographer's Signature

Name / MR # / Label

FMC	КМС	СМС	тмс	NHSC
KIC	MIC	PI	TI	
MFP	SFP	Other		

US Lower Extremity Venous Mapping Worksheet

Findings/Limitations/Comments



Upper Extremity Venous Mapping

- Place proximal blood pressure cuff or tourniquet (whenever possible) prior to making venous diameter measurements.
- Wait at least 2 minutes after blood pressure cuff placed before taking measurements.
 - Device can be removed for small rest and then replaced during case if patient becomes uncomfortable. (Remember to wait at least two minutes after placement before taking measurements.)
- 1. R/L cephalic (CEPH) vein and basilic (BAS) vein measured in transverse outer to outer diameter.
- 2. Mark location and measurement with permanent marker for each of following areas:
 - CEPH shoulder/BAS axilla,
 - CEPH/BAS mid upper,
 - CEPH/BAS antefossa,
 - CEPH/BAS mid forearm, and
 - CEPH/BAS wrist.

Image and mark vein as far down wrist as possible.

Note location of any thrombus and whether or not occlusive.

DVT is Critical Finding and must be reported STAT.



TRA Upper Extremity Venous Mapping Worksheet

INDICATIONS			DATE/TIME	
			SONOGRAPHER	
	RIGH	т	LEFT	
СЕРН	ALIC	-		CEPHALIC
SHOULDER	_ cm	BASIL AXILL cm MID UP cm	PER cm	SHOULDER cm MID UPPER
ANTEFOSSA cm		ANTEFO cm	SSA cm	ANTEFOSSA cm
MID FOREARM cm WRIST cm		MID FORE cm WR cm	EARM cm IST cm	MID FOREARM cm wrist cm
Findings/Limitati	ons/Comments			Fil
SONOGRAPHER CON instructions have bee exam, that US utilizes that coupling gel is us	IRMATION: My signature con n provided to the conscious p sound waves rather than ioni ed to improve the quality of t	firms that atient regarding this izing radiation, and he exam.	Sonographer's Signature	
FMC KI		MC NHSC	Name / MR	# / Label
KIC N	IIC PI	11		
US Upper Ext	remity Venous Mappi	ng Worksheet		