

# Welcome to a tour of Limb Volumes Professional 6.0

LVP6.0 is the latest version of the world famous and widely used lymphedema tracking and reporting software.

LVP was originally developed by therapists for therapists. It has been evaluated in the field and has received rave reviews for ease of use, accuracy, flexibility and for its utility in patient reporting and documentation use. Its utility has further been demonstrated by its use in lymphedema clinical and research studies with scientific presentations at international meetings. This the latest version is more streamlined and included multiple additional capabilities.

It is the only automated limb volumes tracking software that allows you to:

- choose any segment length for upper and lower limb volume determinations
- choose to specify and automatically track total limb volumes and also proximal and distal limb volumes
- include methods and algorithms for inclusion of both hand and foot volumes that are based on scientifically validated and published procedures
- immediately view graphical displays of limb segment-by-segment comparisons
- provide a capability to record, track and report biophysical measurements including bioimpedance and tissue dielectric measurements (TDC) as indices of edema changes
- provide validated tabulated and graphic summary reports for documentation of changes in total limb volume, edema volume, proximal-vs-distal limb volumes and biophysical measures of edema changes
- provide patient data and information within a self-contained file including visit-by-visit summaries and comments
- provide unlimited technical support

Please review the following sequence of documented screen shots that show some of the main features of LVP6.0 and associated procedural steps in a bit more detail. Further instructional and other material is available at

[www.limbvolumes.org](http://www.limbvolumes.org)

If you have any questions you may contact us at

[support@limbvolumes.org](mailto:support@limbvolumes.org)

When LVP6.0 opens you will arrive at this page ---- the HELLO page

## LIMB VOLUME CALCULATION, TRACKING & DOCUMENTATION

### Limb Volumes Professional Version 6.0

Software by Clinical Software Innovations (CSI)

This is a fully functional single machine license version of Limb Volumes Professional 6.0.

Educational and Tutorial information covering all aspects of program operation and measurement methods are in C:\Users\Public\LVP60CD

Additional and related information is freely available at [www.limbvolumes.org](http://www.limbvolumes.org)

LVP6.0 helps you to easily and systematically calculate, track, document and report your patients' limb volumes and other biophysical measurements during the course of therapy.

For each patient visit that you measure limb size, simply enter the limb measurements and let the software calculate limb volumes and display the needed comparisons graphically to provide an image of how well treatment is progressing.

You can name, save, print and recall self-contained patient records as with any Excel file

To see various Software Features of LVP 6.0 you can click on the INFORMATION tab.

Registration and  
Activation Information

Operating  
Instructions

Activate  
Software

Click Here to  
BEGIN

Multiple TABS with generally self explanatory descriptions

Serial Number LVP5775ACFP2047738339NLN

To register, purchase or convert to a permanent version go to: <http://limbvolumes.org> 2014-02-23

For information [support@limbvolumes.org](mailto:support@limbvolumes.org)

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Click this tab to BEGIN

## View

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INTRO page

PATIENT page

START page

BIOZ Tracking

TDC Tracking

VOLUME Tracking

SEGMENT Tracking

HAND page

HAND Tracking

FOOT page

FOOT Tracking

ACTIVATE

Click this to  
activate after you  
Register and receive  
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This is the PATIENT page. On the patient's 1<sup>st</sup> visit enter their name, id and other information including upper or lower extremity and whether to include HAND or FOOT measurements

<b>Patient's Name? Last First</b> Fake Patient Name 1. Type patient name and ID above and designate affected limb(s) as unilateral/bilateral and upper/lower extremity	<b>Patient's ID?</b> 13579 2. Since this is an UPPER extremity you have the option to include HAND volumes Built in algorithms estimate hand volumes and automatically add it to arm volumes. To activate the hand volume option select 'Include Hand' from the options list	<b>Unilateral or Bilateral?</b> <input checked="" type="radio"/> Unilateral <input type="radio"/> Bilateral	<b>Upper or Lower Extremity</b> <input checked="" type="radio"/> Upper Extremity <input type="radio"/> Lower Extremity	<b>View</b> Full Screen Reset Screen Information HELLO page INTRO page PATIENT page START page BIOZ Tracking TDC Tracking VOLUME Tracking SEGMENT Tracking HAND page HAND Tracking FOOT page FOOT Tracking
<b>Hand Volume Option is Active</b> Hand volumes can be measured either by circumferences or using width and depth Once you select a method for a given patient you should continue with it for all visits Select the hand volume method for this patient via the hand method options list		<b>Hand Method</b> <input checked="" type="radio"/> Width-Depth Method <input type="radio"/> Circumference Method		Tab for INFO Describes Registration and operational procedures
3. If unilateral, select designation for AFFECTED limb as Right or Left from the option list		<b>Affected Limb Designation</b> <input checked="" type="radio"/> Right <input type="radio"/> Left		
<input type="radio"/> V1 <input type="radio"/> V2 <input type="radio"/> V3 <input type="radio"/> V4 <input type="radio"/> V5 <input type="radio"/> V6 <input type="radio"/> V7 <input type="radio"/> V8 <input type="radio"/> V9 <input type="radio"/> V10 <input type="radio"/> V11 <input type="radio"/> V12 <input type="radio"/> V13 <input type="radio"/> V14 <input type="radio"/> V15 <input type="radio"/> V16 <input type="radio"/> V17 <input type="radio"/> V18 <input type="radio"/> V19 <input type="radio"/> V20 <input type="radio"/> V21 <input type="radio"/> V22 <input type="radio"/> V23 <input type="radio"/> V24		<b>--- Patient's Dominant Arm ---</b> <input checked="" type="radio"/> Right <input type="radio"/> Left		Tabs to view Graphic Tracking of BIOZ and TDC
Include BMI and BSA? <input checked="" type="radio"/> Yes <input type="radio"/> No		<b>CURRENT SELECTION SUMMARY</b> Limb Upper Extremity      Unilateral Options Hand Included      BMI and BSA Calculation Active Method WIDTH and DEPTH Method - NOW ACTIVE Affected Right      Right is dominant		
LAST STEP Click here to Enter Limb Lengths				

POSITED BIOPHYSICAL THRESHOLD REFERENCE RATIOS FOR UNILATERAL LYMPHEDEMA BASED ON LITERATURE and DATA

Bioimpedance Lymphedema Theshold Ratio Female (Arm Only)	1.139	(contralateral arm/at-risk)
Bioimpedance Lymphedema Theshold Ratio Female (Leg Only)	1.136	(contralateral leg/at-risk)
Bioimpedance Lymphedema Theshold Ratio Male (Leg Only)	1.167	(contralateral leg/at-risk)
Tissue Dielectric Constant Lymphedema Theshold Ratio Female (FOREARM)	1.303	(at-risk side/contralateral)
Tissue Dielectric Constant Lymphedema Theshold Ratio Female (BICEPS)	1.459	(at-risk side/contralateral)
Tissue Dielectric Constant Lymphedema Theshold Ratio Female (LATERAL THORAX)	1.349	(at-risk side/contralateral)

If you are including biophysical measures such as bioimpedance (BIOZ) or tissue dilelectric constant (TDC) as edema indicators then values shown in green are posited ratios useful as lymphedema thresholds



# This is the START page where you should enter limb and segment lengths for the patient

Patient's name Fake Patient Name	Patient's ID 13579	Limb Designation and Option Upper Extremity - Unilateral Hand Included
-------------------------------------	-----------------------	---

Information entered on the PATIENT page is automatically transferred

1. LIMB LENGTH: Enter distance from wrist to upper-most point on arm that you will measure circumferences --->

2. SEGMENT LENGTH: For fixed segment lengths choose distance between adjacent circumference measures. Default is 4 cm but you can choose any segment length. To accept default do nothing else enter a new value --->

Fixed Segment Lengths (Automatic)     Variable Segment Lengths (Manual)

Select the variable length option if you want to use nonuniform spacing between adjacent circumferences

**HAND RECORDING OPTION IS ACTIVE: ENTER HAND VALUES**

3. HAND LENGTH: Since hand option is chosen, enter the distance from the middle finger nailfold to the wrist --->

4. HAND SEGMENTS: Choose the fixed interval at which you will make hand measurements. Normally these are at a separation of 3 cm. To accept default do nothing else enter new value ----->

BMI and BSA calculation option is active. Enter patient height and weight

Height (inches)	Weight (lbs)	BMI (kg/m2)	BSA (m2)
64	125	21.5	1.60

LAST STEP ----->    **5. Click HERE to Enter HAND Measurements for Visit 1**

Limb Length  
44 cm

Seg Length  
4 cm

Sets fixed segment length

Hand Length  
21 cm

Seg Length  
3 cm

Choose fixed length if you will measure girths at uniform distances along limb

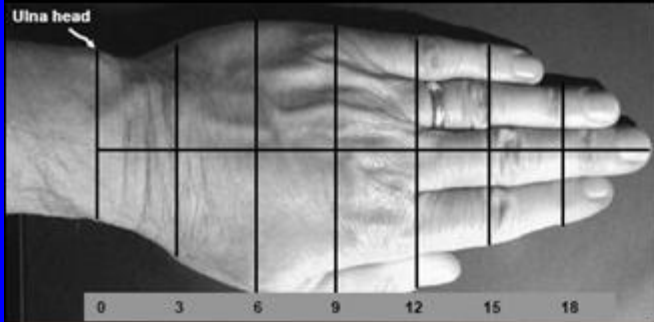
Choose variable if you will vary the distance between girth measurements

- Limb Length is the maximum distance up the limb at which you will measure and record limb girth
- Segment Length is the distance between girth measurements (could be fixed or variable)
- If variable length is chosen the segment lengths are set separately on the "segments" page
- Hand Length is the distance from middle finger tip to wrist (only used if HAND is chosen as option – photo on HANDC page)
- Segment Length for hand is distance between consecutive measurements (Only used if if HAND option is chosen)
- BMI is the patient's Body Mass Index that is automatically determined based on height and weight
- BSA is the patient's Body Surface area
- A SIMILAR PAGE IS DISPLAYED IF LOWER EXTREMITY IS CHOSEN ON THE PATIENT PAGE (could be with or without (FOOT))

**This is the HANDC page where you enter HAND measurements if it is selected as an option  
The hand measurement method is selected on the PATIENT page (width-depth or girth)**

Enter Visit Number ----->		1	▶ 21	All measurements must be entered in millimeters (mm)				▶ 3	Segments		
Based on the data entered there are		7	full seg + 1 partial seg of length =				0	7			
cm from ulnar styloid	Enter hand measurements in mm NOT in cm for calculating hand volumes										
	Enter width & depth data in yellow cells below in mm						Width-Depth Model is ACTIVE				
	Right Hand			Left Hand			seg num	Volumes (ml)			
	width	depth		width	depth			Width-Depth Model			
0		60.0	37.0		60.0	37.0		Right	Left	Right	Left
3		100.0	37.0		100.0	37.0	1	69	69	0	0
6		90.0	20.0		90.0	20.0	2	63	63	0	0
9		88.0	22.0		88.0	22.0	3	44	44	0	0
12		120.0	28.0		80.0	18.0	4	62	40	0	0
15		65.0	15.0		65.0	15.0	5	48	28	0	0
18		47.0	13.0		47.0	13.0	6	19	19	0	0
21		40.0	11.0		40.0	11.0	7	12	12	0	0
After data has been entered click button to transfer to HAND form								317	275	0	0

- View**
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  - HAND Tracking
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**Transfer Data to HAND**

1. To include hand measurement select it on the PATIENT page
2. Also select the measurement method on the PATIENT page
3. When 1 & 2 are done enter the data into the YELLOW cells above
4. When 3 is done click the Transfer Data to HAND

Photo shows measurements at 3 cm intervals. In this example the width-depth method was chosen.

After measurements are entered, calculated hand volumes are transferred to the visit number you specify in the "visit number" (here shown as visit 1). Hand (or foot) volumes are added to the limb volumes for that visit.



# This is an UE Visit 1 page (v1) where you enter arm girths and biophysical data for v1 Limb and edema volumes and biophysical ratios are automatically determined

**Visit 1**

Affected Limb	Limb Length	Option to transfer normal limb girths to all other visits	Segment Length (cm)	Total # Segments	Right	Left	
Right Limb	44		4	11	1920	1569	1315
From data there are		11	full segments plus one partial segment of length =				0

HELLO  
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START  
HAND  
FOOT  
Visit 1  
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Visit 6  
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Visit 16  
Visit 17  
Visit 18  
Visit 19  
Visit 20  
Visit 21  
Visit 22  
Visit 23  
Visit 24  
SUMMARY

Enter Circumferences in yellow cells below

Note that the first circumference pair to be entered for "0" cm corresponds to either the wrist or ankle

cm from wrist or ankle	Circumferences (cm)		segment number	Volume (ml)		TDC Values		Right	Left	Edema	%Edema
	Right	Left		Right	Left	Right	Left				
0	22	16									
4	24	18	1	169	92	39.0	25.0				
8	26	20	2	199	115						
12	29	23	3	241	147	BIOZ Values					
16	31	25	4	287	184	Right	Left				
20	33	27	5	326	215	250.0	320.0				
24	33	27	6	347	232						
28	33	27	7	347	232	Ratios					
32	34	28	8	357	241	TDC	1.560				
36	35	29	9	379	259	BIOZ	1.280				
40	37	31	10	413	287	L-Dex	24				
44	36	30	11	424	296						

Use visit 1 norm values for all visits

Proximal - Distal Option

Segment Volumes (cm<sup>3</sup>)

Option compares proximal - distal volumes. You determine boundary placement.

Segment volumes shown for easy visualization and identification of potential problem areas

Click tab to get a visit summary & comment page

Girths for affected and contralateral limb are entered into yellow cells

Each segment volume is determined and graphed

BIOZ/TDC Edema indices

Generate Visit Summary and Insert Comments

Therapist                     

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Pt. Name Fake Patient Name

ID 13579

Date 23-Jan-14

Tx number 1

# This is a one click automatically generated v1 summary and comment page

This page can be used to place and save comments regarding the patient's v1  
Patient name is Fake Patient Name and ID is 13579

Limb Volumes	Right	Left	Edema	%Edema	
Total Volume (ml)	3806	2576	1231	48	
TDC Values		Proximal and Distal Volumes (ml)			
Right	Left	Right		Left	
39.0	25.0	Proximal	Distal	Proximal	Distal
		1920	1569	1315	986
BIOZ Values		Visit Date 1/23/2014			
Right	Left	Visit # 1			
250.0	320.0				
270					
Ratios					
TDC	1.560				
BIOZ	1.280				

All relevant data entered into and calculated on visit 1 (or any visit) are summarized and available for documentation And printing

Enter comments below in textbox then click anywhere outside the box

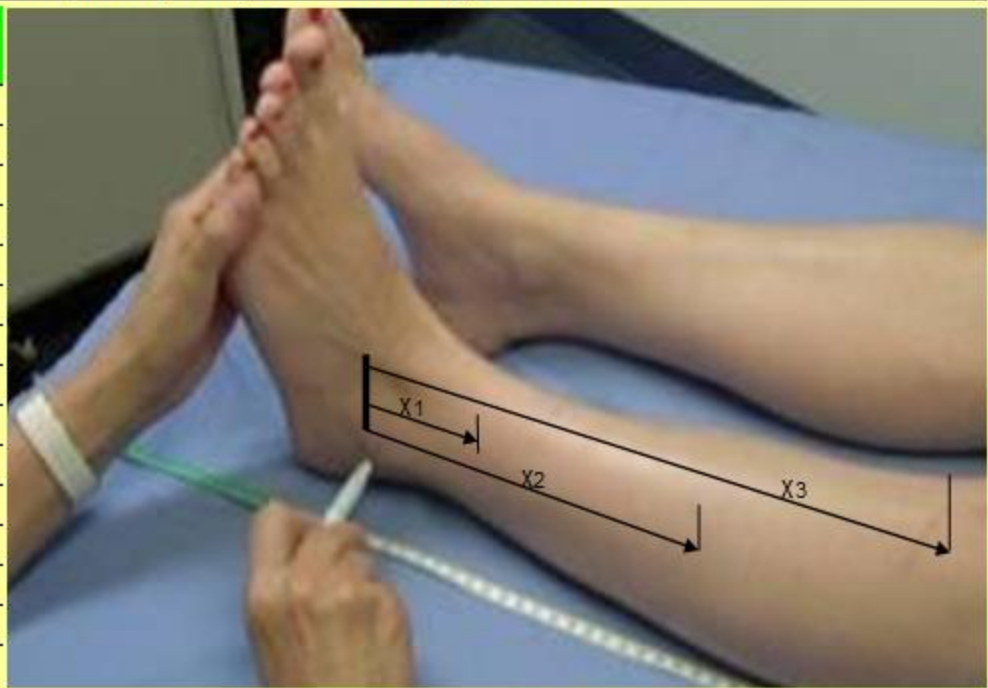
Enter any comments within this dialog box

All comments and summarized data Are saved with the patient's file

**This is the SEGMENT page that is presented if you choose to have variable segment lengths  
Here it is illustrated for a lower extremity with a total limb length of 80 cm**

Your specified uppermost measurement site (limb length) is 80 cm from the zero reference  
Enter the distance FROM the zero reference (wrist or ankle) to each site where circumferences  
were or will be measured. Enter in the Distance column starting with the closest distance (X1)  
The final distance must correspond to your specified limb length 80 cm

Measurement Site	Distance (cm)
X1	10
X2	20
X3	35
X4	50
X5	60
X6	80
X7	
X8	
X9	
X10	
X11	
X12	
X13	
X14	
X15	



After entering distances click the adjacent button

Accept values and Return

After entering the distances from the reference point at which you will or have made your girth measurements you click this tab which sets up the current visit for you to then enter the measured girth values



# This is a v1 page in which the variable segment length option was chosen

Visit 1		Info Page		Full Screen	Reset Screen	HELLO
Affected Limb	Limb Length	Segment Length (cm)	Total # Segments	Right	Left	INTRO
Right Limb	80	4	20	Proximal	Distal	PATIENT
From data there are	20	0	20	3625	1823	START
VARIABLE SEGMENT LENGTH OPTION IS ACTIVE		full segments plus one partial segment of length =		2388	1071	HAND
Enter Circumferences in yellow cells below		Use visit 1 norm values for all visits		Proximal-Distal Option		FOOT
Note that the first circumference pair to be entered for "0" cm corresponds to either the wrist or ankle		Limb Volumes	Right	Left	Edema	%Edema
cm from wrist or ankle	Circumferences (cm)	Total Volume (ml)	5765	3734	2032	54.4
	Right	Left	Limb only (ml)	5448	3459	<input type="checkbox"/> Disable Instruction
	segment number	Volume (ml)	Hand only (ml)	317	275	
0	22	16	Right	Left	TDC Values	
10	24	18	421	230	39.0	25.0
20	26	20	498	288	BIOZ Values	
35	29	23	904	553	Right	Left
50	31	25	1075	688	250.0	320.0
60	33	27	816	538	Ratios	
80	33	27	1734	1161	TDC	1.560
					BIOZ	1.280
					L-Dex	24
					Generate Visit Summary and Insert Comments	

These are Proximal-distal volumes

Segment Number	Right Volume (ml)	Left Volume (ml)
1	400	200
2	500	300
3	900	550
4	1100	700
5	800	500
6	1700	1100

Segment volumes shown for easy visualization and identification of potential problem areas

Note that the distance between adjacent girth measurements is variable and automatically set by your prior determination

This is the proximal-distal boundary set by you

Therapist                     

Pt. Name Fake Patient Name

Date 23-Jan-14

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This is the FOOTC page where you enter FOOT measurements if it is selected as an option  
Foot measurement method is as indicated in the figure and has been previously validated

Fake Patient Name

Enter visit number for which you want to determine the foot volumes (Current Visit) in the blue box below

Enter Visit Number ---> 1

**This Worksheet is used to enter data for the calculation of FOOT volumes**

**Enter all measurement data for the foot in MILLIMETERS (mm) in yellow cell columns**

Enter width & depth data in yellow cells below in mm

	Right Foot	Left Foot
Ly		
Lxy		
Wx		
Wz		
Wy		
L12		
L8		
W12		
W8		
W4		
Hx		
Hz		
Hy		

**Summary of Required Measurements**

The diagram shows a top-down view of a foot with several measurement points and lines. A vertical line on the right side has a 4 cm scale. Labels include: Wx (medial-lateral width), Lx (posterior-anterior length), L12 & W12, L8 & W8, W4, Hx & Wx, Hz & Wz, Hy, Wy, Ly, Lxy, Point x, and a 4 cm vertical scale.

Instructions for foot measurement on CD and by the following link  
<http://bioscience-research.net/LVP40/FootVolumeMeasurement.pdf>

After data entry remove foot image to save memory THEN press button to transfer data to FOOT form. Foot volumes will be shown in that form.

After measurements are entered, calculated foot volumes are transferred to the visit number you specify in the "visit number" (here shown as visit 1). Foot volumes are added to limb volumes for that visit. A filled in data sheet is shown on the next page

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# Foot Volume Data Entry Page With Sample Data Entered

McCaferty Mary

Enter visit number for which you want to determine the foot volumes (Current Visit) in the blue box below

Enter Visit Number ---> **4**

Get Foot Image

This Worksheet is used to enter data for the calculation of FOOT volumes

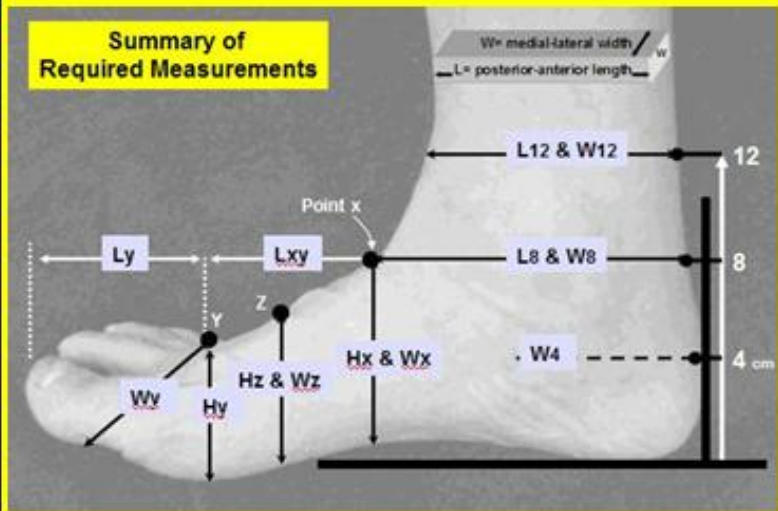
Enter all measurement data in millimeters (mm) in yellow cells

Enter width & depth data in yellow cells below in mm

Note that all of these measurements must be entered as millimeters (mm)

	Tx Foot	Norm Foot
Ly	62.00	62.00
Lxy	84.00	84.00
Wx	66.35	66.35
Wz	78.88	78.88
Wy	87.43	87.43
L12	69.74	69.74
L8	82.52	82.52
W12	50.18	50.18
W8	58.99	58.99
W4	50.47	50.47
Hx	88.1	
Hz	63.4	
Hy	35.4	

Summary of Required Measurements



A Foot Measurement Protocol is Included Simply enter measurements and volumes are calculated and added to limb volumes

After data entry remove foot image ONLY if it is visible THEN press button to transfer data to FOOT form

ml	ml
790	790

Transfer Data to FOOT

Remove Foot Image



# This is the Limb Volume tracking page. It reports and graphs sequential changes in Limb Volume, Edema Volume and Percentage Edema from the initial visit

Unilateral Upper Extremity

BMI=21.5kg/m<sup>2</sup>

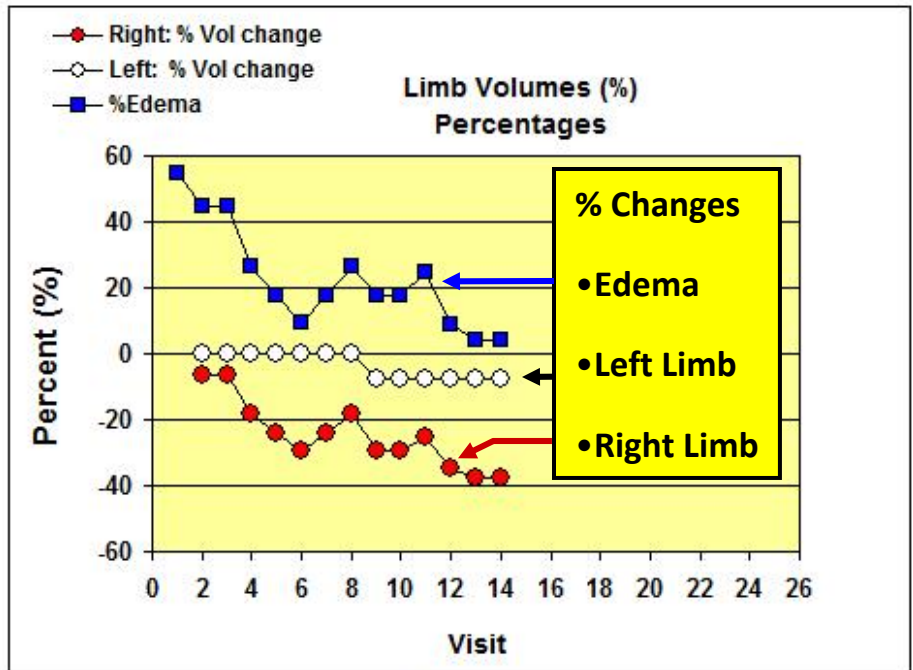
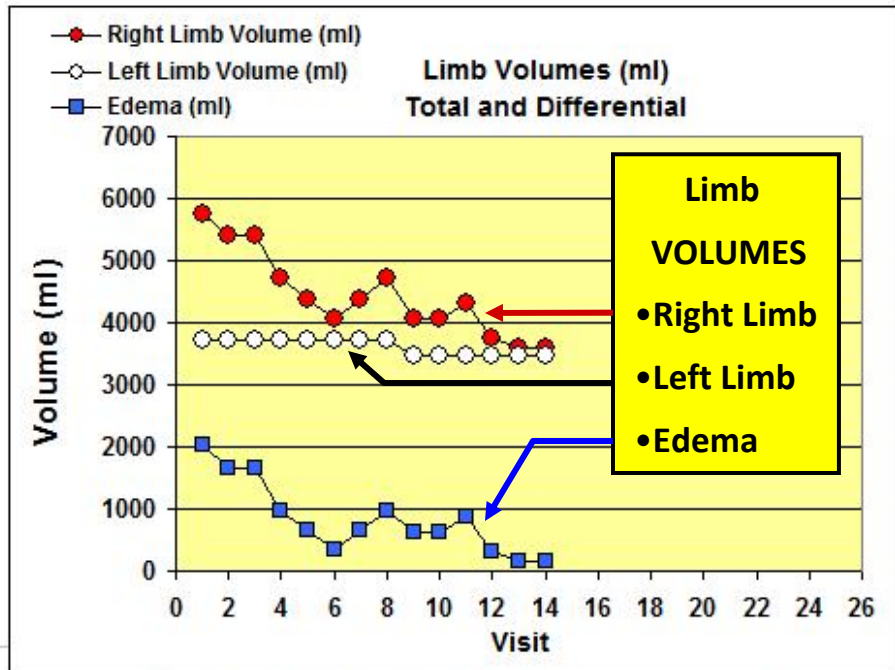
BSA=1.6 m<sup>2</sup>

Fake Patient Name

13579

3/1/2014 10:15

Visit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Right Limb Volume (ml)	5765	5402	5402	4713	4388	4075	4388	4713	4071	4071	4321	3758	3607	3607	0	0	0	0	0	0	0	0	0	0
Left Limb Volume (ml)	3734	3734	3734	3734	3734	3734	3734	3734	3459	3459	3459	3459	3459	3459	0	0	0	0	0	0	0	0	0	0
Edema (ml)	2032	1668	1668	979	654	342	654	979	612	612	862	300	148	148										
%Edema	54	45	45	26	18	9	18	26	18	18	25	9	4	4										
Right: % Vol change		-6.3	-6.3	-18.2	-23.9	-29.3	-23.9	-18.2	-29.4	-29.4	-25.1	-34.8	-37.4	-37.4										
Left: % Vol change		0.0	0.0	0.0	0.0	0.0	0.0	0.0	-7.4	-7.4	-7.4	-7.4	-7.4	-7.4										



Note: In the above graphics, Visit refers to patient visits during which limb volume measurements were made and recorded

The AFFECTED Limb(s) of this patient is

**Right Limb**

Double click on COMMENTS to enter or edit your comments

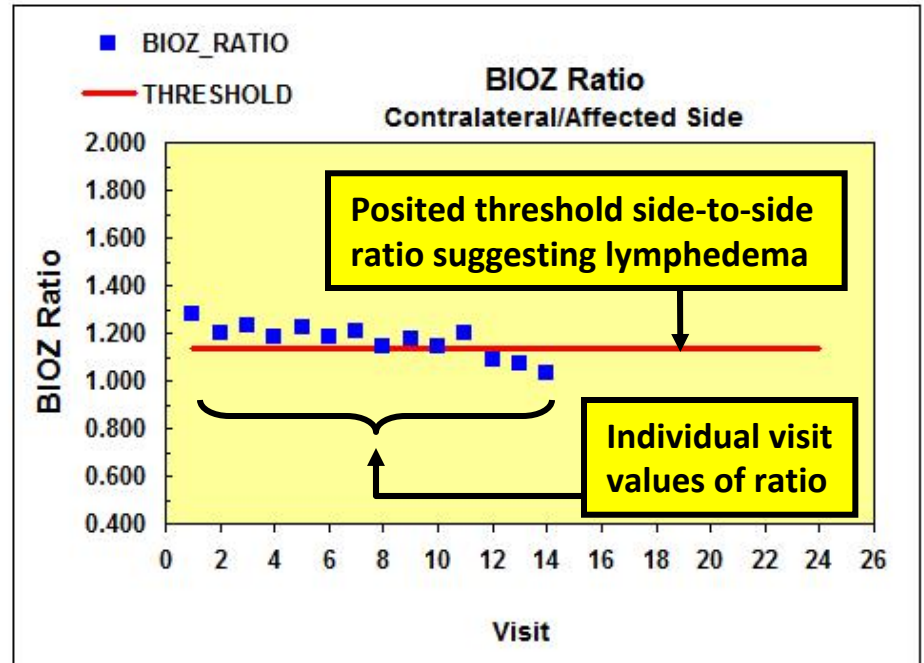
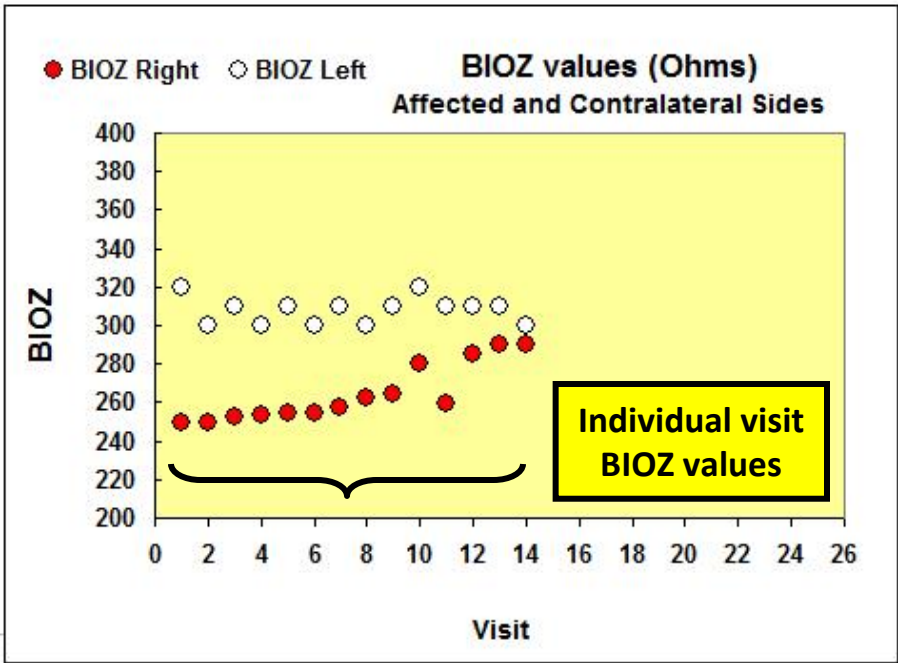
COMMENTS:

Sheet can be printed and use as part of documentation and report on patient progress

# This is the BIOZ tracking page. It reports and graphs sequential changes in limb bioimpedance values and side-to-side BIOZ ratios

Unilateral Upper Extremity										BMI=21.5kg/m2		BSA=1.6 m2		Fake Patient Name				13579		3/1/2014 10:15					
Visit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
BIOZ Right	250.0	250.0	252.0	253.0	254.0	254.0	257.0	262.0	264.0	280.0	259.0	285.0	290.0	290.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BIOZ Left	320.0	300.0	310.0	300.0	310.0	300.0	310.0	300.0	310.0	320.0	310.0	310.0	310.0	300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BIOZ Ratio	1.280	1.200	1.230	1.186	1.220	1.181	1.206	1.145	1.174	1.143	1.197	1.088	1.069	1.034											
Threshold Ratio	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	
Right: % BIOZ change		0.0	0.8	1.2	1.6	1.6	2.8	4.8	5.6	12.0	3.6	14.0	16.0	16.0											
Left: % BIOZ change		-6.3	-3.1	-6.3	-3.1	-6.3	-3.1	-6.3	-3.1	0.0	-3.1	-3.1	-3.1	-6.3											
L-Dex Value	24	16	19	15	18	14	17	11	13	10	16	5	3	0											

% changes in BIOZ values from v1



Note: In the above graphics, Visit refers to patient visits during which BIOZ measurements were made and recorded. For bilateral cases the BIOZ ratio is less relevant

BIOZ THRESHOLD Ratio: 1.139

The AFFECTED Limb(s) of this patient is Right Limb

COMMENTS:

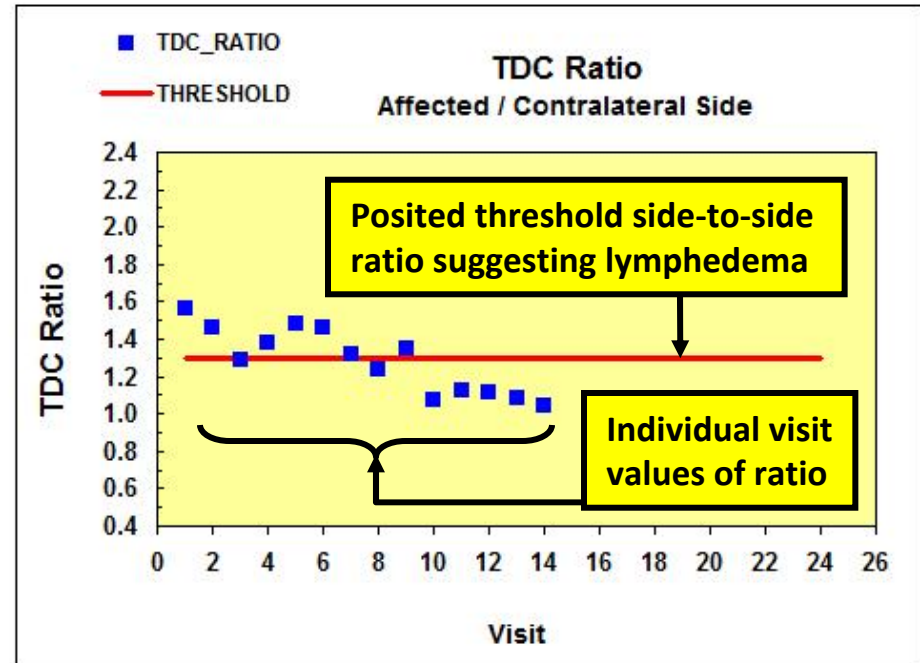
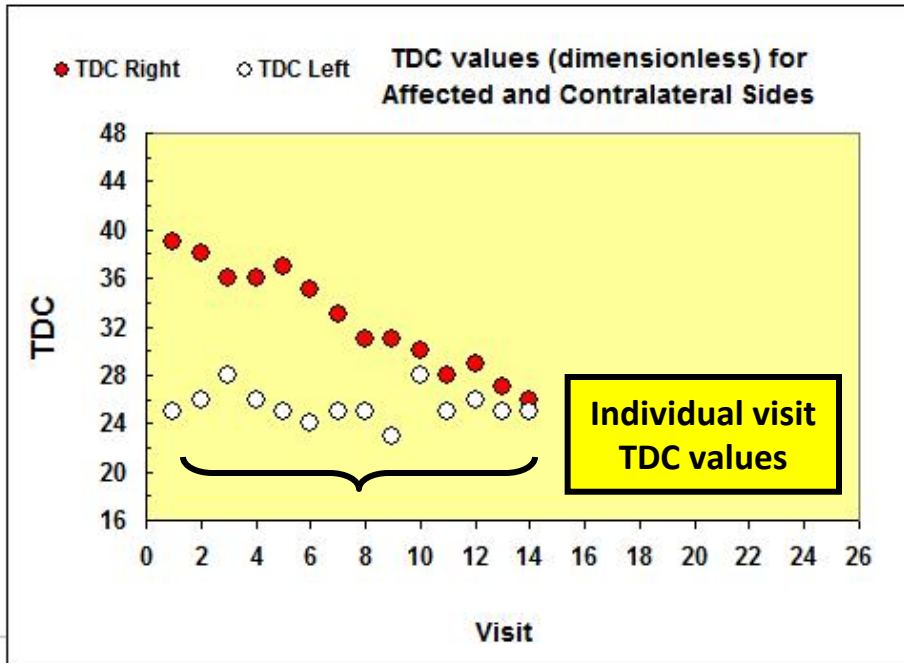
Double click on COMMENTS to enter or edit your comments

Default ratio is entered based on conditions and values set in PATIENT page but can be changed manually if desired



# This is the TDC tracking page. It reports and graphs sequential changes in Tissue Dielectric Constant values and side-to-side TDC ratios as index of tissue water

		Unilateral Upper Extremity							BMI=21.5kg/m2	BSA=1.6 m2	Fake Patient Name				13579	3/1/2014 10:15									
		TDC probe depth (mm) used for this evaluation							2.5	TDC measurement site															
Visit		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
TDC Right		39.0	38.0	36.0	36.0	37.0	35.0	33.0	31.0	31.0	30.0	28.0	29.0	27.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TDC Left		25.0	26.0	28.0	26.0	25.0	24.0	25.0	25.0	23.0	28.0	25.0	26.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TDC Ratio		1.560	1.462	1.286	1.385	1.480	1.458	1.320	1.240	1.348	1.071	1.120	1.115	1.080	1.040										
Threshold Ratio		1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	1.303	
Right: % TDC change			-2.6	-7.7	-7.7	-5.1	-10.3	-15.4	-20.5	-20.5	-23.1	-28.2	-25.6	-30.8	-33.3	} % changes in TDC values from v1									
Left: % TDC change			4.0	12.0	4.0	0.0	-4.0	0.0	0.0	-8.0	12.0	0.0	4.0	0.0	0.0										



Note: In the above graphics, Visit refers to patient visits during which TDC measurements were made and recorded. For bilateral cases the TDC ratio is less relevant

Set THRESHOLD Ratio

The AFFECTED Limb(s) of this patient is

Right Limb

Double click on COMMENTS to enter or edit your comments

COMMENTS:

1.303

Default ratio is entered based on conditions and values set in PATIENT page but can be changed manually if desired



# This is the GRAPH page that reports and graphs sequential changes in limb volume expressed as total limb volume and also as proximal and distal volumes for both limbs

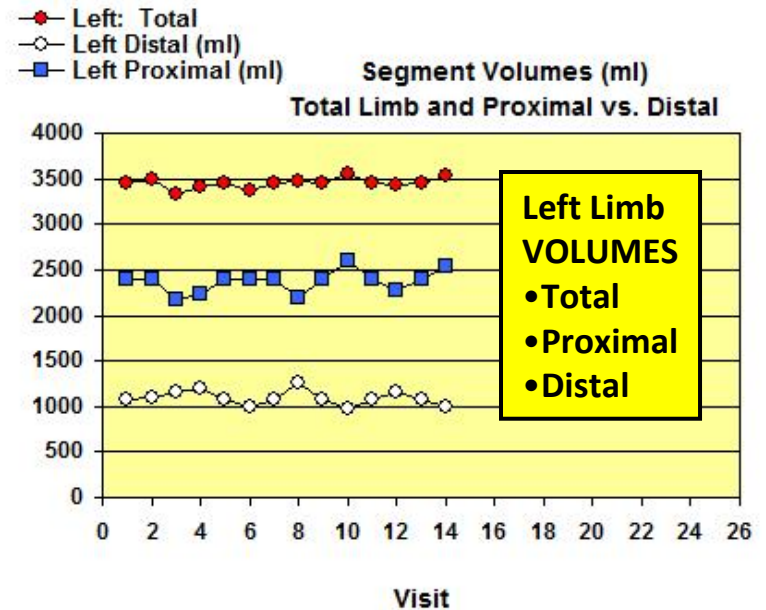
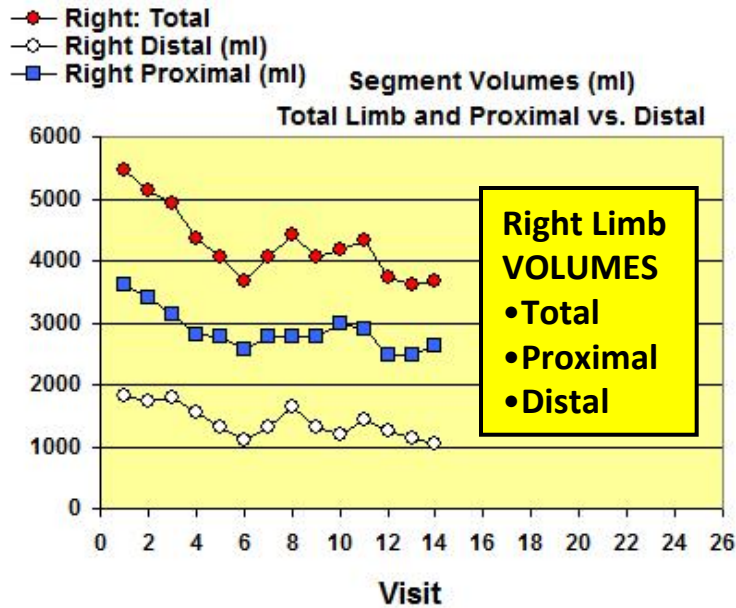
Unilateral Upper Extremity BMI=21.5

3/2/2014 11:32

Fake Patient Name

13579

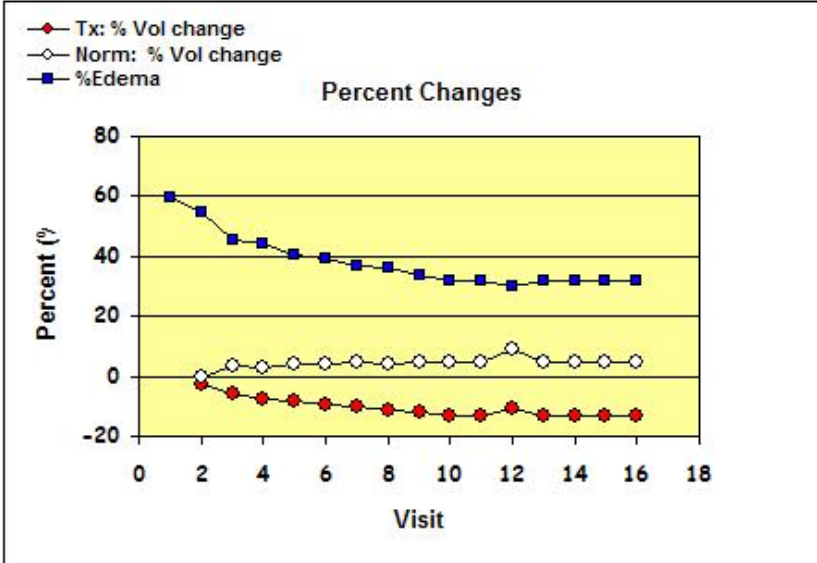
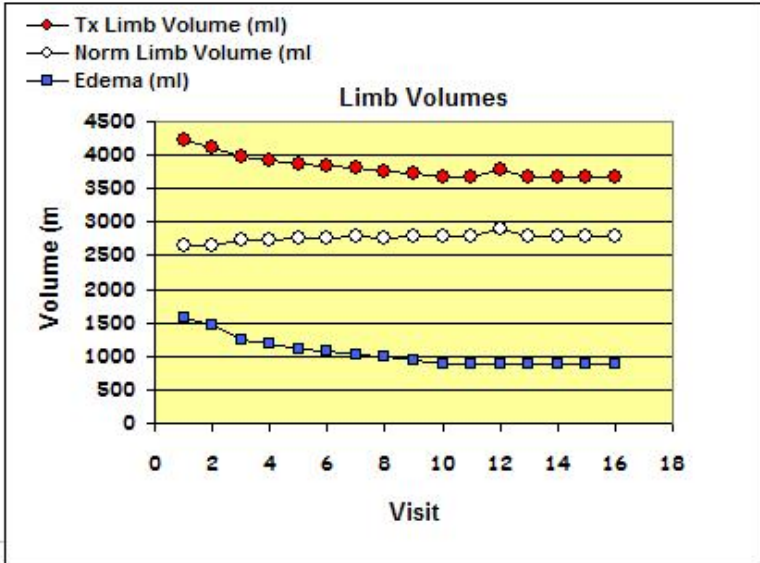
Visit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
<b>Right Proximal (ml)</b>	3625	3401	3133	2791	2771	2576	2771	2763	2771	2996	2900	2468	2481	2630	0	0	0	0	0	0	0	0	0	0	0
<b>Right Distal (ml)</b>	1823	1720	1798	1564	1299	1100	1299	1642	1299	1181	1421	1268	1126	1049	0	0	0	0	0	0	0	0	0	0	0
<b>Left Proximal (ml)</b>	2388	2388	2167	2224	2388	2388	2388	2200	2388	2596	2388	2284	2388	2535	0	0	0	0	0	0	0	0	0	0	0
<b>Left Distal (ml)</b>	1071	1099	1163	1194	1071	993	1071	1262	1071	965	1071	1153	1071	996	0	0	0	0	0	0	0	0	0	0	0
<b>Right: Total</b>	5448	5120	4931	4356	4071	3676	4071	4405	4071	4176	4321	3736	3607	3679	0	0	0	0	0	0	0	0	0	0	0
<b>Left: Total</b>	3459	3486	3331	3418	3459	3380	3459	3462	3459	3561	3459	3437	3459	3530	0	0	0	0	0	0	0	0	0	0	0



This is an example of a volume SUMMARY page that can be directly used as a summary report

Unilateral Upper Extremity								1/22/2005 18:43								McCaferty Mary		123456789	
Visit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
<b>Tx Limb Volume (ml)</b>	4237	4117	3989	3923	3878	3844	3807	3765	3733	3671	3671	3781	3671	3671	3671	3671			
<b>Norm Limb Volume (ml)</b>	2656	2656	2744	2724	2764	2764	2785	2766	2788	2788	2788	2903	2788	2788	2788	2788			
<b>Edema (ml)</b>	1580	1460	1245	1199	1114	1080	1022	999	945	883	883	878	883	883	883	883			
<b>%Edema</b>	59	55	45	44	40	39	37	36	34	32	32	30	32	32	32	32			
<b>Tx: % Vol change</b>		-2.8	-5.9	-7.4	-8.5	-9.3	-10.1	-11.1	-11.9	-13.4	-13.4	-10.8	-13.4	-13.4	-13.4	-13.4			
<b>Norm: % Vol change</b>		0.0	3.3	2.6	4.1	4.1	4.8	4.1	4.9	4.9	4.9	9.3	4.9	4.9	4.9	4.9			

All important parameters are tabulated sequentially and graphed for easy viewing. The page can be printed and used directly as the report.



Note: In the above graphics, Visit refers to patient visits during which limb volume measurements were made and recorded

The AFFECTED Limb(s) of this patient is Tx Limb

Comments
Mary was first seen on October 3, 2004 being referred by Dr. Wilson.
CDP therapy was initiated on October 5, 2004 and progressed at weekly intervals.
As of this date her affected arm limb volume is reduced from an initial value of 4337 ml to 3671 ml.
This corresponds to a reduction in edema volume from 1580 ml to 883 ml and represents a reduction in percentage edema from an initial value of 59% to a current value of 32%
Mary is quite pleased with her progress and has a significantly improved outlook.

For bilateral cases the labels are automatically changed to reflect right and left limb volumes and percentage changes in limb volume

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(LVP6.0)**

**And feel free to contact us at  
[support@limbvolumes.org](mailto:support@limbvolumes.org)  
with any questions**