

# Clinical Software Innovations

The following is a guide to understanding the values determined using Limb Volumes Professional software.

Three visits of a fake patient's data are shown with the various circumferences entered for a unilateral arm lymphedema case.

Volume and edema are shown for each visit and then in the last Page, the summary report including graphics is shown annotated. This report may be used directly or the data from it may be entered into any standard patient data system that you may be using.

If you have any questions please feel free to contact us at:

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

**All values are determined for the current visit = Visit 1**

<b>Visit 1</b>		Notes: Tx is affected limb undergoing treatment; Norm is contralateral limb for comparison				
<b>Limb Length</b>	If both limbs are affected (bilateral) then limbs are designated as right and left	<b>Segment Length (cm)</b>	Total # Segments			
► 44		► 4				
From data there are	11 full segments plus one partial segment of length =	0	11			
Enter Circumferences in yellow cells below (columns C and D)						
cm from wrist/ankle	Note that the first circumference pair to be entered for "0" cm corresponds to either the wrist or ankle	Circumferences (cm)	segment number	Volume (ml)		
		Tx	Norm			
0		20	14			
4		22	16	1	141 72	
8		24	18	2	169 92	
12		26	20	3	199 115	
16		28	22	4	232 141	
20		30	24	5	268 169	
24		32	26	6	306 199	
28		34	28	7	347 232	
32		36	30	8	390 268	
36		38	32	9	436 306	
40		40	34	10	485 347	
44		42	36	11	535 390	

These are the circumferences of the arms at 4 cm Intervals      These are the Segmental volumes determined from the measured circumferences

View

Full Screen

Reset Screen

Limb Volumes	Tx	Norm	Edema	%Edema
Total Volume (ml)	3508	2331	1177	50.5
Limb only (ml)	3508	2331		
	0	0		

Segment Number	Tx (cm³)	Norm (cm³)
1	141	72
2	169	92
3	199	115
4	232	141
5	268	169
6	306	199
7	347	232
8	390	268
9	436	306
10	485	347
11	535	390

**Note that in this example a 4 cm interval is used but you may choose to use any segmental interval**

**All values are determined for the current visit = Visit 2**

Visit 2			Notes: Tx is affected limb undergoing treatment; Norm is contralateral limb for comparison			View					
	Limb Length	If both limbs are affected (bilateral) then limbs are designated as right and left	Segment Length (cm)	Total # Segments		<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; text-align: center;">Full Screen</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Reset Screen</div>					
	► 44		► 4								
From data there are	11	full segments plus one partial segment of length =	0	11							
Enter Circumferences in yellow cells below (columns C and D)											
cm from wrist/ankle	Note that the first circumference pair to be entered for "0" cm corresponds to either the wrist or ankle										
	Circumferences (cm)		segment			Limb Volumes	Tx	Norm	Edema	%Edema	
	Tx	Norm	number	Volume (ml)		Total Volume (ml)	3087	2331	757	32.5	
				Tx	Norm	Limb only (ml)	3087	2331			
0	18	14					0	0			
4	20	16	1	115	72						
8	22	18	2	141	92						
12	24	20	3	169	115						
16	26	22	4	199	141						
20	28	24	5	232	169						
24	30	26	6	268	199						
28	32	28	7	306	232						
32	34	30	8	347	268						
36	36	32	9	390	306						
40	38	34	10	436	347						
44	40	36	11	485	390						

These are the circumferences of the arms at 4 cm Intervals

These are the Segmental volumes determined from the measured circumferences

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

Segment Number	Tx (cm <sup>3</sup> )	Norm (cm <sup>3</sup> )
1	115	72
2	141	92
3	169	115
4	199	141
5	232	169
6	268	199
7	306	232
8	347	268
9	390	306
10	436	347
11	485	390

**Note that in this example a 4 cm interval is used but you may choose to use any segmental interval**

**All values are determined for the current visit = Visit 3**

Visit 3			Notes: Tx is affected limb undergoing treatment; Norm is contralateral limb for comparison			View		
		Limb Length	Segment Length (cm)		Total # Segments			
		► 44	► 4			Full Screen		
From data there are		11	0		11	Reset Screen		
Enter Circumferences in yellow cells below (columns C and D)								
cm from wrist/ankle	Note that the first circumference pair to be entered for "0" cm corresponds to either the wrist or ankle							
	Circumferences (cm)		segment			Limb Volumes	Tx	Norm
	Tx	Norm	number	Volume (ml)		Total Volume (ml)	2695	2331
				Tx	Norm	Limb only (ml)	2695	2331
0	16	14					0	0
4	18	16	1	92	72			
8	20	18	2	115	92			
12	22	20	3	141	115			
16	24	22	4	169	141			
20	26	24	5	199	169			
24	28	26	6	232	199			
28	30	28	7	268	232			
32	32	30	8	306	268			
36	34	32	9	347	306			
40	36	34	10	390	347			
44	38	36	11	436	390			
These are the circumferences of the arms at 4 cm Intervals			These are the Segmental volumes determined from the measured circumferences					

**Note that in this example a 4 cm interval is used but you may choose to use any segmental interval**



# This is the report page that summarizes the progressive and the final treatment effects on volume and edema

		Patient			Makebelive Patient			ID 158-456-8897			Unilateral Upper Extremity		4/22/2005 16:46	
Visit	1	2	3	4	5	6	7	8	9	10	11	12		
Tx Limb Volume (ml)	3508	3087	2695	0	0	0	0	0	0	0	0	0		
Norm Limb Volume (ml)	2331	2331	2331	0	0	0	0	0	0	0	0	0		
Edema (ml)	1177	757	364.3	These are the calculated volumes and edema										
%Edema	50.5	32.5	15.6											
Tx: % Vol change		-12.0	-23.2											
Norm: % Vol change		0.0	0.0											

View

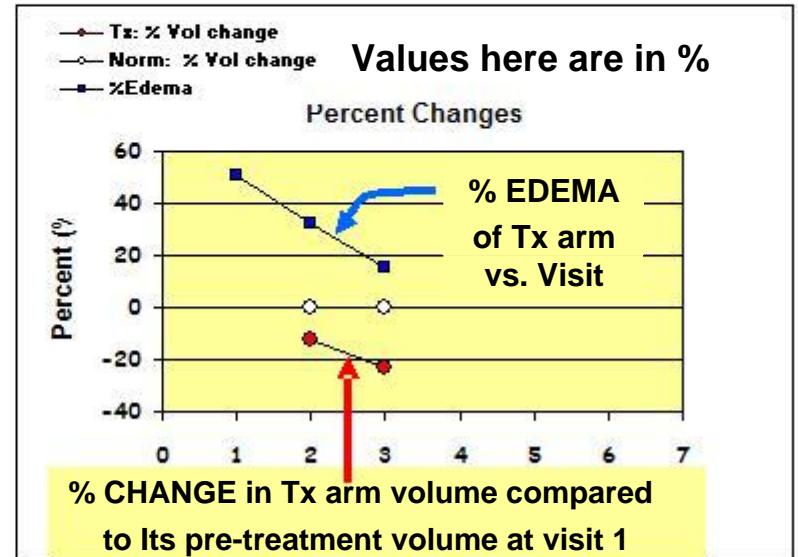
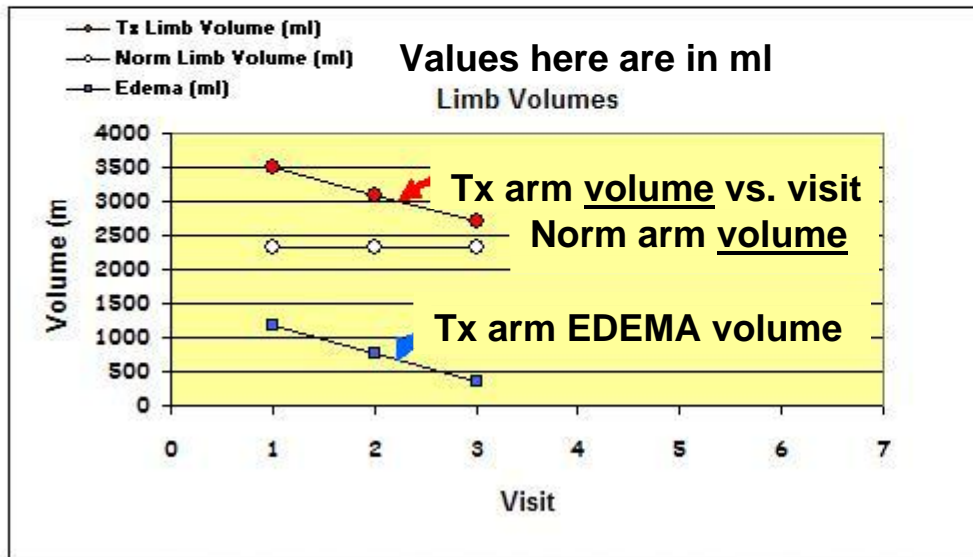
Full Screen

Reset Screen

View

Full Screen

Reset Screen



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

Note that this page can be printed and used directly as a physician report.