

BIMECO/Bioscience Research Institute

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

All values are determined for the current visit = Visit 1

Visit 1		Notes: Tx is affected limb undergoing treatment; Norm is contralateral limb for comparison							
	Limb Length	If both limbs are affected (bilateral) then limbs are designated as right and left		Segment Length (cm)	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				Limb Volumes	Tx	Norm	Edema	%Edema
	Circumferences (cm)				Total Volume (ml)	3508	2331	1177	50.5
	segment				Limb only (ml)	3508	2331		
	Tx	Norm	number	Volume (ml)		0	0		
				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

Segment Volumes (cm³)

Edema Volume In ml %Edema of affected arm

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	Full Screen		
	▶ 44				▶ 4					
From data there are	11	full segments plus one partial segment of length =				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					Limb Volumes	Tx	Norm	Edema	%Edema
	Circumferences (cm)	segment				Total Volume (ml)	3087	2331	757	32.5
		Tx	Norm	number	Volume (ml)	Limb only (ml)	3087	2331		
					Tx	Norm	0	0		
0	18	14			115	72				
4	20	16	1		141	92				
8	22	18	2		169	115				
12	24	20	3		199	141				
16	26	22	4		232	169				
20	28	24	5		268	199				
24	30	26	6		306	232				
28	32	28	7		347	268				
32	34	30	8		390	306				
36	36	32	9		436	347				
40	38	34	10		485	390				
44	40	36	11							

These are the circumferences of the arms at 4 cm intervals

These are the Segmental volumes determined from the measured circumferences

Segment Volumes (cm³)

Edema Volume In ml

%Edema of affected arm

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	► 44	If both limbs are affected (bilateral) then limbs are designated as right and left	Segment Length (cm)		Total # Segments	Full Screen			
	► 44		► 4			Reset Screen			
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			Limb Volumes		Tx	Norm	Edema	%Edema
Circumferences (cm)	segment			Total Volume (ml)		2695	2331	364	15.6
	Tx	Norm	number	Volume (ml)		Limb only (ml)			
				Tx	Norm	► 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

Segment Volumes (cm³)

Edema Volume In ml %Edema of affected arm

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

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

