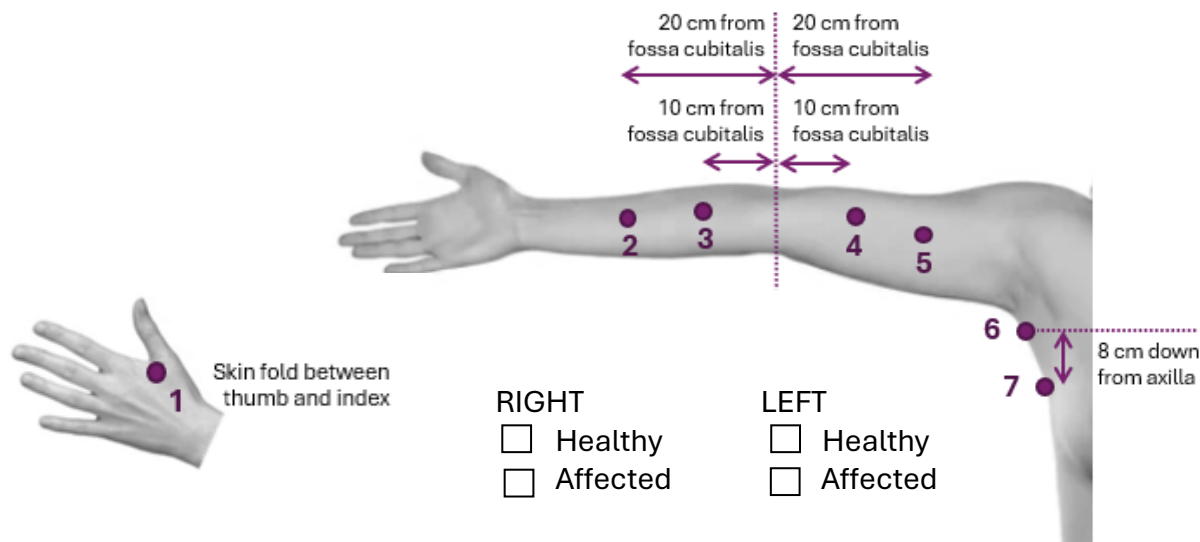


## Measurement protocol for lymphedema in arm - LymphScanner

Subject's name or id \_\_\_\_\_ Date \_\_\_\_\_



### MEASUREMENT INSTRUCTIONS

- Measure with the LymphScanner at sites 1 to 7 in numerical order starting from site 1, first on the healthy side and then on the affected side at the corresponding location
  - Healthy side, site 1, affected side, site 1
  - Healthy side, site 2, affected side, site 2, etc.
- Record the readings from the device's display to the table below.

Site	Healthy Side (Ref)	Affected Side (PWC)	Ratio
1			
2			
3			
4			
5			
6			
7			

### INTERPRETATION

Ratio is the quotient of the measurement values of affected side and healthy side. The LymphScanner calculates the ratio automatically when used in Scan mode.

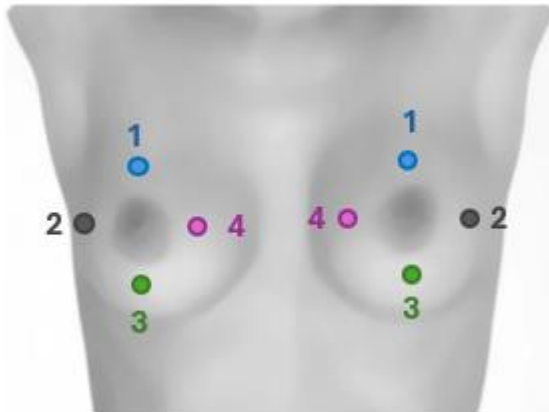
Ratio  $\geq 1.20$  indicates lymphedema.

Example Healthy Side: 33 %  
 Affected Side: 48 %  
 Ratio: 48 % / 33 % = 1.45

Reference: Tissue dielectric constant (TDC) measurements as a means of characterizing localized tissue water in arms of women with and without breast cancer treatment related lymphedema, H.N. Mayrovitz, D.N. Weingrad, S. Davey, *Lymphology* 47 (2014).

## Measurement protocol for lymphedema in breast - LymphScanner

Subject's name or id \_\_\_\_\_ Date \_\_\_\_\_



RIGHT	LEFT
<input type="checkbox"/> Healthy	<input type="checkbox"/> Healthy
<input type="checkbox"/> Affected	<input type="checkbox"/> Affected

Site	Distance from nipple (cm)
1	
2	
3	
4	

### MEASUREMENT INSTRUCTIONS

- Measure with the LymphScanner at sites 1 to 7 in numerical order starting from site 1, first on the healthy side and then on the affected side at the corresponding location
  - Healthy side, site 1, affected side, site 1
  - Healthy side, site 2, affected side, site 2, etc.
- Record the readings from the device's display to the table below.

Site	Healthy Side (Ref)	Affected Side (PWC)	Ratio
1			
2			
3			
4			

### INTERPRETATION

Ratio is the quotient of the measurement values of affected side and healthy side. The LymphScanner calculates the ratio automatically when used in Scan mode.

Ratio  $\geq 1.40$  indicates lymphedema.

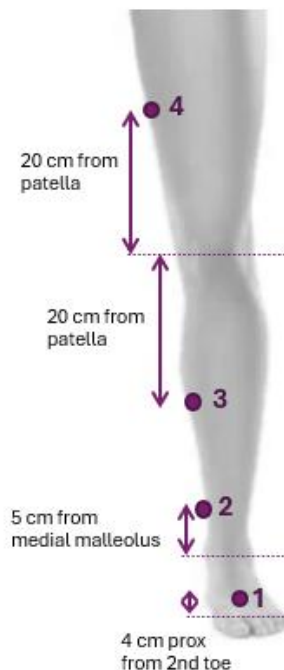
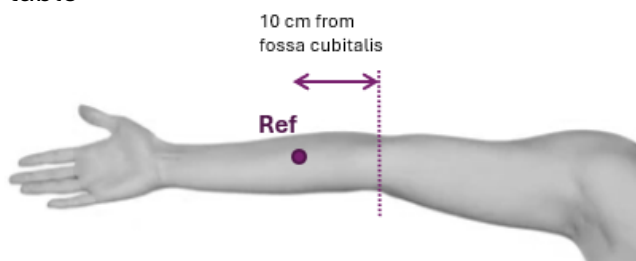
Example Healthy Side: 33 %  
 Affected Side: 57 %  
 Ratio: 57 % / 33 % = 1.73

## Measurement protocol for lymphedema in leg - LymphScanner

Subject's name or id \_\_\_\_\_ Date \_\_\_\_\_

### MEASUREMENT INSTRUCTIONS

- Select a reference site on volar forearm
- Measure the reference site with the LymphScanner and record the reading from the device's display to the table below
- Use the same site on the forearm as a reference for both legs
- Measure sites 1 – 3
- Record readings of all sites from the device's display to the table below
- Measure corresponding sites of the other leg and record reading to the table



Site	Forearm (Ref)	Left leg (PWC)	Ratio = Left leg (PWC)/ Forearm (Ref)	Right leg (PWC)	Ratio = Right leg (PWC)/ Forearm (Ref)
1					
2					
3					
4					

### INTERPRETATION

Ratio is the quotient of the measurement values of the leg and the forearm.  
The LymphScanner calculates the ratio automatically when used in Scan mode.

Ratio  $\geq 1.35$  indicates lymphedema.

Example Forearm: 33 %

Leg: 48 %

Ratio: 48 % / 33 % = 1.45