




# Foot Screening Mapping Examples

## Touch-Test™ Sensory Evaluators

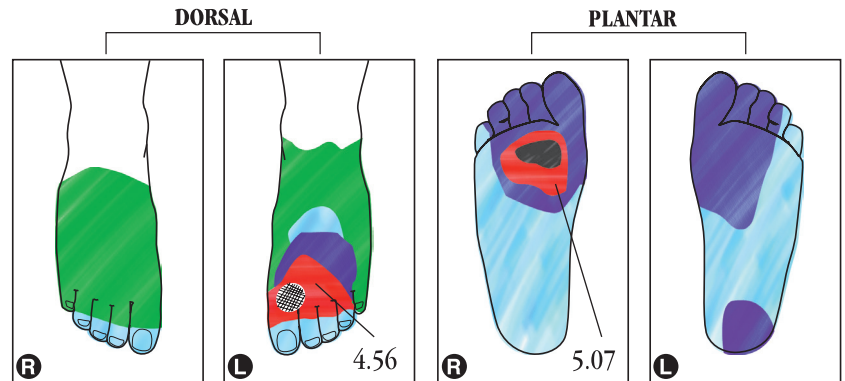
Key	Monofilament Size	Representation	Dorsal Surface Threshold	Plantar Surface Threshold
	Callus	2.83	Normal	Normal
	Pre-ulcer	3.61	Diminished light touch	Normal
	Ulcer	4.31	Diminished protective sensation	Diminished light touch
		4.56	Loss of protective sensation	Diminished protective sensation
		5.07	Loss of protective sensation	Loss of protective sensation
		6.65	Deep pressure sensation only	Deep pressure sensation only
		Green		
		Blue		
		Purple		
		Red		
		Red		
		Red		

### Initial Evaluation - Visit #1

RIGHT FOOT: Superficial ulcer on plantar surface over the second metatarsal head.

LEFT FOOT: Pre-ulcer proximal to the first dorsal web space.

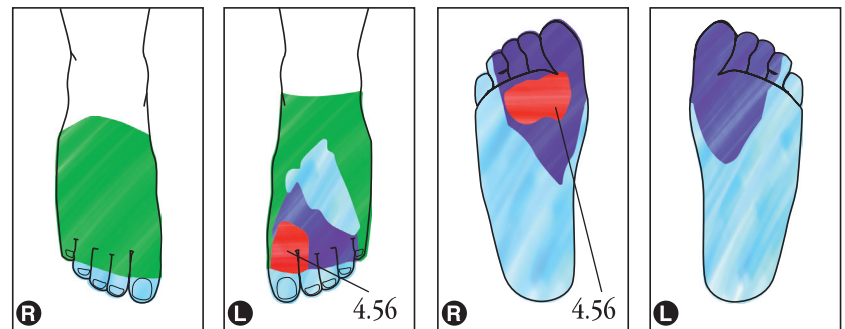
Patient education, treatment intervention and wound care management initiated.



### Re-evaluation - Visit #2

RIGHT FOOT: Ulcer healed. Improved to diminished protective sensation on plantar surface over the second metatarsal head.

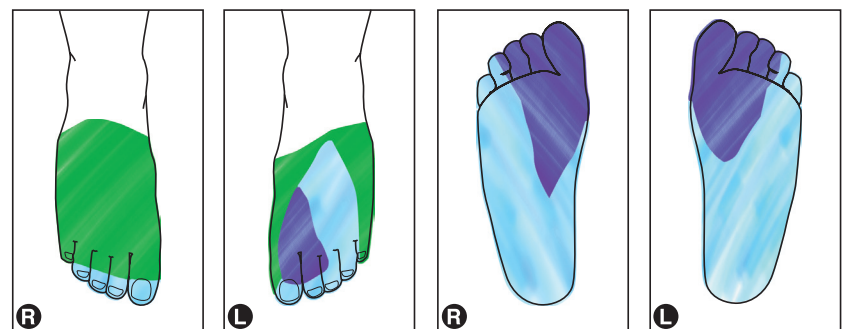
LEFT FOOT: Pre-ulcer healed. Loss of protective sensation proximal to the first dorsal web space.



### Re-evaluation - Visit #3

BOTH FEET: Diminished light touch sensation at toes and plantar surfaces.

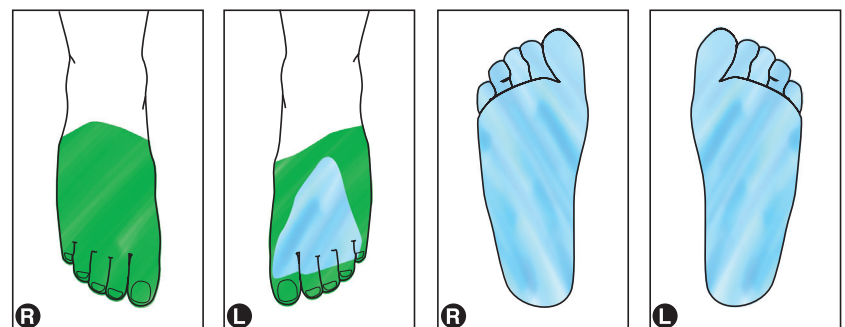
LEFT FOOT: Improved to diminished protective sensation proximal to the first dorsal web space.



### Re-evaluation - Visit #4

RIGHT FOOT: Normal throughout.

LEFT FOOT: Improved to diminished light touch sensation over dorsal web spaces.

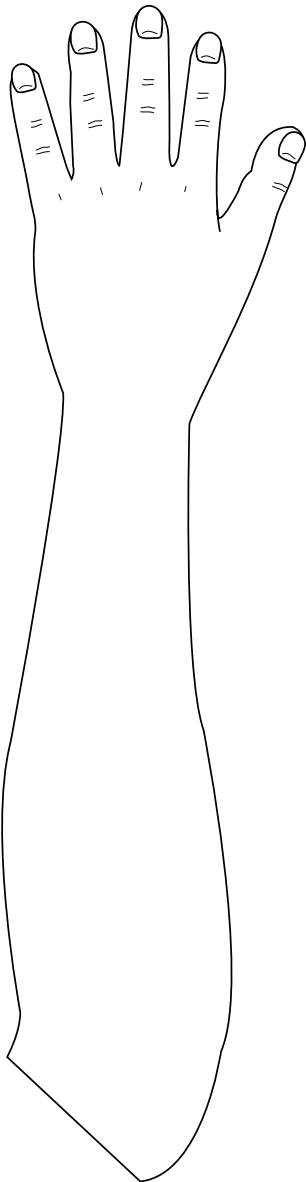




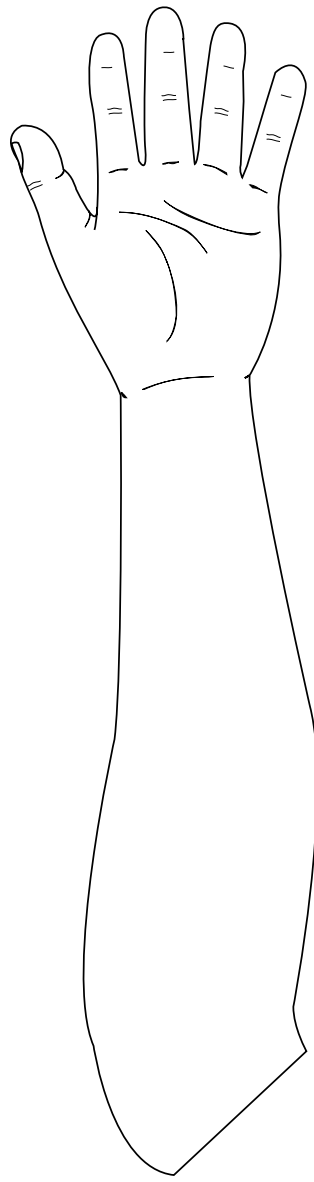
# Touch Test<sup>®</sup> Sensory Evaluators Hand Screening Form

Patient \_\_\_\_\_ Chart Number \_\_\_\_\_ Date \_\_\_\_\_

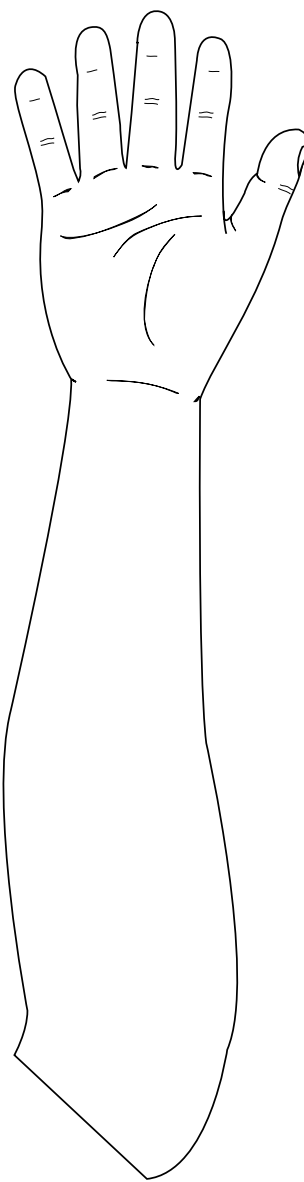
Evaluator Size	Target Force(g)	Representation	Thresholds	Comments
1.65 - 2.83	0.008 - 0.07	green	Normal	
3.22 - 3.61	0.16 - 0.4	blue	Diminished Light Touch	
3.84 - 4.31	0.6 - 2	purple	Diminished Protective Sensation	
4.56 - 6.45	4 - 180	red	Loss of Protective Sensation	
6.65	300	red	Deep Pressure Sensation	
		red lined	Tested with No Response	



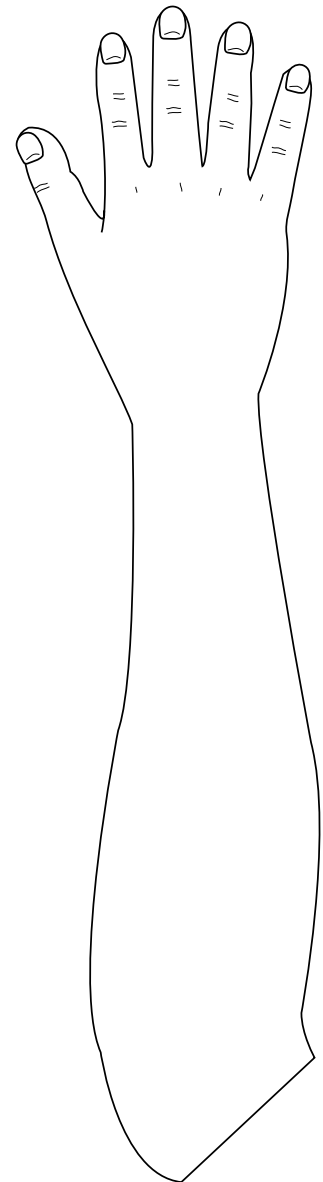
Left Dorsal



Left Volar



Right Volar



Right Dorsal




Tested by: \_\_\_\_\_

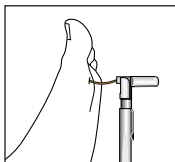


# Patient Foot Screening Form

Patient \_\_\_\_\_ Chart Number \_\_\_\_\_ Date \_\_\_\_\_

## Instructions:

1. The patient's lower extremity should be resting comfortably on a padded surface, with obstructed view of foot.
2. After visual inspection, diagram dimensions of the following:  
Callus :  Pre-Ulcer:   
Ulcer:  Other: \_\_\_\_\_
3. Instruct the patient to respond when a stimulus is felt by saying "touch" or "yes."
4. Establish the patient's normal cutaneous sensation by testing with the 2.83 on the dorsal surface to the sites indicated below. Apply the monofilament with sufficient force to bend as illustrated. Apply the stimulus up to three times in the same location to elicit a response. A single response indicates normal sensitivity.
5. Repeat the same process using the 3.61 monofilament on the plantar surface. Apply the stimulus to the sites shown (below).
6. If the patient does not respond to the stimulus, choose the next largest monofilament. For filaments 4.31-6.65, only one stimulus is necessary.
7. To maintain the patients attention during the test, intermittently move the monofilament to test areas known to have sensation.
8. Record results using colored pencils that correspond to the colors on the filament handle, as noted in the following chart. If you represent a test result with the red color, notate on the drawing which monofilament size was used.



Monofilament Size	Representation	Plantar Surface Threshold
2.83	Green	Normal (dorsal surface)
3.61	Blue	Normal
4.31	Purple	Diminished Light Touch
4.56	Red	Diminished Protective Sensation
5.07	Red	Loss of Protective Sensation
6.65	Red	Deep Pressure Sensation Only

- If only testing with the 5.07, follow instructions #1 and #2. Then apply the 5.07 to the test sites as shown in the diagram. Record results using a ✓ to indicate each area with sensation and an X for lack of sensation.

Circulatory Assessment- Temp: \_\_\_\_\_ Pulse: \_\_\_\_\_

## Assign Risk Category:

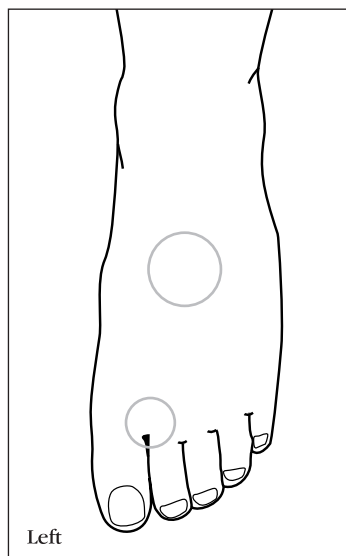
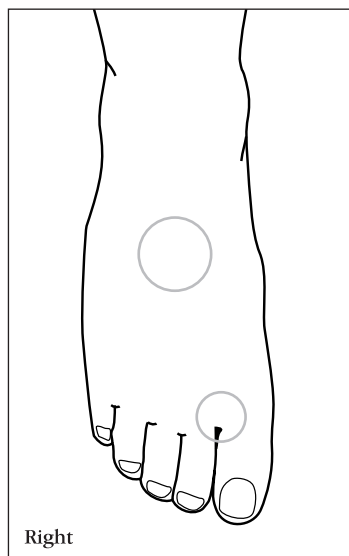
- 0 No loss of protective sensation.
- 1 Loss of protective sensation (no weakness, deformity, callus, pre-ulcer or Hx. ulceration.)
- 2 Loss of protective sensation with weakness, deformity, pre-ulcer or callus but no Hx. ulceration.
- 3 History of plantar ulceration.

Developed by Rehabilitation Branch-Gillis W. Long Hansen's Disease Center, Carville, LA 70721

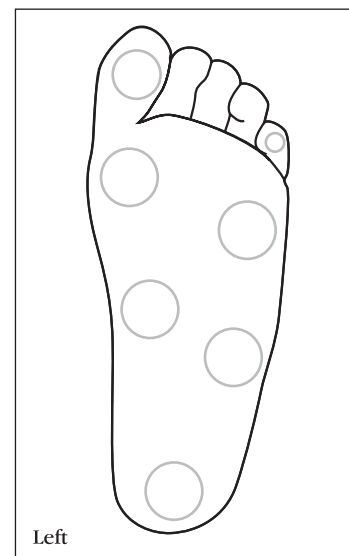
Source: Journal of Hand Therapy, April/June 1993, volume 6, no. 2: pages 114-123 and

Military Medicine, December 1990, volume 155, no.12: pages 575-579.

## Dorsal



## Plantar



## Instructions for Care

Clean the monofilament handle with a damp sponge or cloth using mild soap. Monofilaments can be disinfected using a cold soak in an instrument disinfectant.

Evaluator \_\_\_\_\_