



Do you have pain, numbness, tingling, burning, or sensitivity due to diabetes?

If you are between the ages of 45 and 85 with type II diabetic neuropathy pain, you may be eligible to participate in a research study.

What is this study about?

This study investigates how noninvasive treatments for type 2 diabetic neuropathy, Intraneural Facilitation™ (INF) and standard physical therapy, change blood flow around nerves.

What would you be asked to do?

- Participate in 11 sessions over a period of 6 weeks.
- Each session will take about 60-120 minutes of your time.
- The sessions might include one or more of the following:
 - 60-minute INF or standard physical therapy treatment
 - Electrocardiogram (ECG) testing
 - Near-infrared Spectroscopy (NIRS)
 - Surface Laser doppler flowmetry (LDF)
 - Ultrasound Neurovascular Index (NVI) assessment
 - Blood draw
 - Surveys
 - Welltory App Monitoring

Where will the study take place?

- LLUH Neuropathic Therapy Center
Professional Plaza
25455 Barton Road, Suite 208A
Loma Linda, CA 92354
- LLUH Laboratory Testing (same building as above)
 - Professional Plaza, Suite 108A

Will I be paid to participate?

- Participants will receive up to \$250 in gift cards.

Who can participate?

You may be able to participate if you:

- Are between 45 and 85 years old.
- Are diagnosed with Type II diabetes by a physician.
- Have symptoms including numbness, tingling, burning, sharp pain, and/or increased sensitivity in lower extremities.
- Have access to a cellphone with Android 5.0 and up or iOS 14.0 or later.
- Are able to speak, read, and understand English.
- Are able to walk for periods totaling 15 minutes without assistive devices.
- Are willing to comply with study-related procedures.

You may not be able to participate if you have a medical condition that will create a decline in health during the next 6 months such as:

- Chemotherapy and/or radiation
- Other types of neuropathies
- Morbid obesity
- Pregnancy
- Additional exclusion criteria will apply

I'm interested, what's next?

To see if you qualify, please call or email a member of the study team or use the QR code below to complete the online survey:

LLUH Neuropathic Therapy Center
Principal Investigator, Mark Bussell, DPT
Email: ntcresearch@llu.edu
Phone: 909-558-6799

QR code to online survey:



APPROVED

By LLUH IRB: 5220363 - 07/16/2023 at 2:16 pm, Jul 17, 2023