

Editorial “Save Limb, Save Life” The theme of the DFSICON 2016

News & Notes DARCO India Pvt. Ltd. Learn more about us!

Featured Product Diagnostic Products / Sensitivity Tester

Expertise Testing for Diabetic Neuropathy – easy and affordable: The Monofilament

Events December 2016 – February 2017

Imprint About us / Disclaimer

Editorial

Welcome to the 14th issue of DARCO India Newsletter

Dear Reader,

The 14th issue of the DARCO India newsletter coincides this year with the 14th annual DFSICON Congress. The Annual Conference of Diabetic Foot Society of India is the premiere gathering place for leaders in the scientific community. This will be DARCO's 3rd year contributing to the event. This year's conference will be held in Aurangabad and is hosted by the Aurangabad Diabetologists' Association on December 9 – 11 2016.

This year's theme: “Save Limb, Save Life”

The main focus of our subsidiary in India is to promote the exchange of medical knowledge in treating the foot and ankle; with an emphasis on the Diabetic foot and its related complications which are the leading causes of lower limb amputation throughout the world. DARCO's mission is to develop off-loading footwear for the prevention and the healing management for those who are at risk or suffer from foot ulcerations.

The DFSICON is comprised of a Scientific Committee and many National & International experts, who are pioneers in multidisciplinary approaches to treat the Diabetic foot & wound-care management. Other support comes from the IWGDF; the International Working Group on the Diabetic Foot; of which DARCO is a strong supporter. Among the delegates, is IWGDF's Chairwoman Kristine van Acker, of Belgium. We at DARCO are very grateful to DFSICON for hosting this extremely worthwhile event.



DARCO – Your partner for professional foot care!

Yours sincerely

Shashi Surpali
CEO DARCO Medical India Pvt. Ltd.

News & Notes

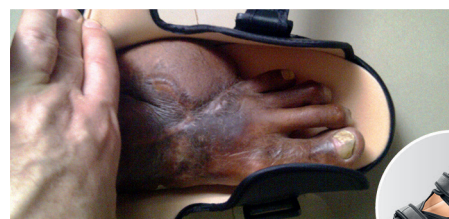
DARCO India Pvt. Ltd.

We'll help you get your patient's foot into the right shoe.

DARCO India Pvt. Ltd. was founded in 2012 in Dharwad, Karnataka. We brought to the table an accumulation of over 30 years of experience to the new Indian headquarter.

The number of diabetic cases and related diseases are on the rise throughout the world. Patients and care-givers are expanding their knowledge on all levels and through multiple resources. DARCO is dedicated to be part of the solution. Our orthopaedic devices improve the lives of ordinary people through innovative off-loading shoe-wear and effective wound care shoes. It's our goal to empower individuals through education and knowledge.

Since our inception we have continued to grow to meet the needs of the people; to date, we have 16 different distribution channels throughout India. Our headquarter in Dharwad is ready to service your needs. Please call or send us an E-Mail to find out more of what we have to offer: info@darco.in



WCS™ Open Toe



IWGDF International Working Group
on the Diabetic Foot

Featured Product

Diagnostic Products Sensitivity Tester

These are effective and useful tools to measure the sensitivity in areas on the plantar surface of the foot. Following best practice guidelines for regular evaluation of feet in high risk patients, the tools are simple and valuable in clinical settings

MonoTemp™ Sensitivity Tester

- > Diagnostic Tool
- > 2in1 tester for symmetric polyneuropathy
- > compact and easy to use
- > pocket clip

The MonoTemp™ is a diagnostic tool that checks for distal symmetric polyneuropathy that utilizes both thermal and pressure testing. The alloy tip produces a cool sensation while the polymer tip remains neutral. The polymer tip unscrews to reveal a monofilament.

FootFilament™ Sensitivity Tester

Assesses touch and pressure sensation in large nerve fibers.

- > Diagnostic Tool
- > patient interactive test to measure plantar sensitivity
- > compact and easy to use

The compact FootFilament™ has a simple, easy-to-use covering to protect the 10 monofilament inside. The raised dots on the front and back of the device help indicate test sites on the foot.

Please find detailed information on our website www.darco.in

Diagnostic Care

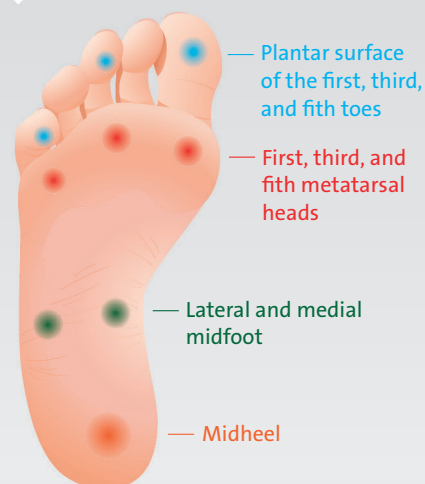
MonoTemp™



FootFilament™



test sites



Expertise

Testing for Diabetic Neuropathy easy and affordable: The Monofilament

Diabetic neuropathy is the most common complication for individuals with diabetes mellitus (DM) type 1 or type 2. Diabetic peripheral neuropathy (DPN) is peripheral nerve dysfunction affecting 50 % of the patients with diabetes

Diabetic Neuropathy may be categorized as follows:

- > Sensory neuropathy occurs when nerves which detect touch and temperature are damaged. This form of neuropathy commonly affects the feet or hands.
- > Motor neuropathy results from damage to the nerves affecting muscle movement.
- > Autonomic neuropathy is the term if the nerves which control involuntary actions are affected; such as digestion or heart rate and also includes sweating and remoistening.

Monofilament can be used to help detect sensory neuropathy in otherwise normal feet. The thin plastic filament is applied perpendicularly to the area being tested. Pressure is then exerted and patient's feedback is noted when the sensation is first perceived. This can help identify a reduced or lost sense of sensation.

J. Mayfield ⁽¹⁾ stated "The Monofilament is currently the best choice for screening for clinically significant neuropathy..." This method is frequently found in several best practice guidelines (i.e. American Diabetes Association, Dutch Association of Neurology, NHS and the National Institute for Clinical Excellence).

A systemic review by J. Dros ⁽²⁾ found 54 potentially eligible studies on the subject and 3 were selected for data synthesis. Dros stated that "... little can be said about the test's accuracy for detecting neuropathy in feet without visible ulcers." With regard to the diagnostic value of the Monofilament, the findings vary widely. Monofilament screening is vital in identifying DPN early, enabling earlier intervention and management, to reduce the risk of ulcerations in the lower extremities.

Groner ⁽³⁾ again summarized the necessity of the monofilament test as a tool for assessing diabetic foot ulcer risk. He quotes David Armstrong, DPM, MD, PhD, of Tucson AZ USA, "The tool itself may not be very accurate, but after study, it does seem useful in identifying clinically significant loss of sensation".

by Raphael Boehm, Vice President DARCO Europe

Diabetic Foot

Symptoms of Diabetic Neuropathy:

- > Numbness or diminished sensitivity to pain or changes in temperature
- > Tingling or burning sensations
- > Sharp pains or cramping
- > Increased sensitivity to touch or even the weight of bed linens can be agonizing
- > Muscle weakness & loss of reflexes especially at the ankle
- > Loss of balance and coordination
- > Serious foot problems, such as ulcers, infections, deformities, as well as bone or joint pain

⁽¹⁾ **Jennifer Mayfield et al**
(2000) "The Use of the Semmes-Weinstein Monofilament and Other Threshold Tests for Preventing Foot Ulceration and Amputation in Persons with Diabetes"
J Fam Pract ; 49(suppl): S17-S29

⁽²⁾ **Jacqueline Dros, MD et al**
(2009) "Accuracy of Monofilament Testing to Diagnose Peripheral Neuropathy – A Systematic Review"
Ann Fam Med;7:555-558.
doi:10.1370/afm.1016.

⁽³⁾ **Cary Groner**
(2012) "Monofilament testing with-stands critiques"
J Foot & Ankle Research

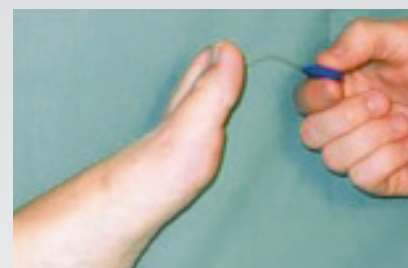


Photo courtesy of David Armstrong
DPM, PhD, MD.



Events

December 2016

12th – 17th December 2016
 61st Annual National Conference of the Indian
 Orthopaedic Association – IOACON 2016, Kochi, Kerala
www.ioacon2016.com

January 2017

6th – 8th January 2017
 The 8th Annual Parekh Indo-US Foot & Ankle Conference
 Chennai, Tamilnadu
<http://footandanklecourse.com/chennai-2017.html>

12th – 14th January 2017
 Ranawat Orthopaedic Conference (ROC) 2017
 Pune, Maharashtra
<http://www.rocconference.com/index.php>

26th – 29th January 2017
 72nd Annual Conference of the Association of Physicians
 of India, Mumbai, Maharashtra
<http://apicon2017.com/index.html>

27th – 29th January 2017
 36th Annual Conference of Kerala Orthopaedic
 Association, Kasaragod, Kerala
<http://koacon2017.com/index.html>

February 2017

3rd – 5th February 2017
 35th Annual Conference of Gujarat orthopaedic
 Association-GOACON 2017, Jamnagar, Gujarat
www.goacon2017.com

Imprint

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