

Paul Retschko & Associates,
Orthotics & Podiatry clinics
now offer “Pressure Guardian™”
technology across our three
clinics.

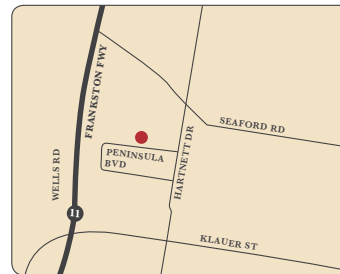
Pressure Guardian™ is a compact
pressure sensor used to investigate
pressure applied to specific areas
of the foot. This is particularly
beneficial when investigating
pressure applied to a diabetic/
neuropathic wound.

Due to its compact size, pressure
can be investigated barefoot,
in shoes and in shoes with an
orthotic across the gait cycle.

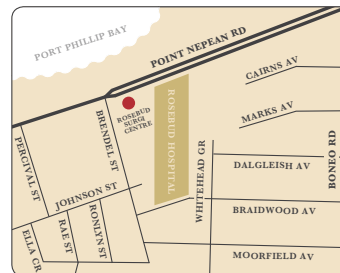
Investigating the real time
pressure while wearing the
orthotic allows for precise
fine tuning of the device to
ensure appropriate offloading
of foot segments.



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Pressure Guardian™



Paul Retschko and Associates

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Pressure Guardian™ is a pressure measurement tool that provides instant real time feedback during the gait cycle.

Forces during barefoot, shod and orthotic treatments are compared and analysed. Changes and improvements to the orthotic/shoe are made to reduce peak and average loads experienced during standing and walking. This is especially useful in neuropathic and diabetic feet where there is risk of plantar ulceration which leads to constant dressings, infection and risk of amputation.

How Pressure Guardian™ promotes healing?

By using the Pressure Guardian™ measurement tool, Paul Retschko and Associates clinicians can;

- Assist in the management of diabetic wounds, in particular non-healing ulcers where pressure is responsible.
- Provide evidence-based practice with offloading measures.
- Provides a non invasive evaluation that can be repeated at short intervals i.e. within consults.
- Offers tangible, visible biofeedback for increased patient compliance and understanding.
- Aids our clinicians in fine tuning the fit of their custom orthotics and footwear regularly to promote faster healing.

When to consider Pressure Guardian™?

This pressure loading tool offers strong results in patients who currently have or have a history of non-healing pedal ulcers on the plantar surface of the foot.

This device utilizes pressure sensing technology to optimise offloading treatments. Case studies have documented results of complete ulcer healing between 28 - 70 days post initial treatment.*

**Ref: American Diabetes Association, March 2013. Razak,A (2012). Foot Plantar Pressure Measurement System: A Review. Sensors, 12,9884-9912. Product Developed by ; Steven J. Tillges CPO, Sandra K. Rosenberg MD, ABWMS, ABPMR, FACCWS. Michael R. Tillges CPO ;Tammi Thiam RN. Tillges Certified Orthotics Prosthetics Inc. Maplewood, MN. Health East Vascular Centre, HealthEast Care System, Maplewood, MN. www.pressureguardian.com*

Number of treatments

Your Orthotist will recommend suitable weekly, fortnightly or monthly follow up appointments until healing has completed.

This new pressure sensor system can be effectively used to treat and heal ulcers in a timely and economical fashion, allowing patients and clinicians better outcomes.

For all appointments and further information on this service, please visit our website or call our central booking line.

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