

Summary of Trial Data

DYNAFLOW™ Dynamic Insoles: Perception of Pain Study

Perioperative Nurses

The summary results of data collected from several occupational pain studies verify the efficacy of **DYNAFLOW™** insoles. One industrial / healthcare pain perception study was conducted with operating room nurses. The results of this and other perception of pain studies are remarkable.

The purpose of the trial was to determine the effectiveness of Dynamic Fluid Filled Anti-Fatigue Insoles in a healthcare work environment.

The study shows clearly that **DYNAFLOW™** dynamic fluid filled insoles reduced foot pain in a healthcare / industrial environment by an average of 77%, as well as back knee and leg pain by an average of 77%, 74% and 76%, respectively.

The scope of the report compared pre-study and post-study "perception of pain" scales relative to work-related foot, knee, leg and back pain of 119 Operating Room nurses from 35 states and Canada. All subjects did work requiring walking and / or extensive standing on tiled floors in an operating room. Some of the subjects had access to mats. All participants reported some level of pain whether foot, leg or back that they attributed to their work environment.

Nurses used a Visual Pain Scale to rate their perceived "BEFORE TRIAL" and "AFTER TRIAL" pain. The results of the study are summarized on the chart.

O R Nurse VAS Scale	Before the trial		After the trial		Result
	Pain Range	Average	Pain Range	Average	Improvement
Foot Pain	2 to 10	5.8	0 to 8	1.3	77%
Back Pain	0 to 10	4.6	0 to 8	1.1	77%
Knee pain	0 to 10	3.0	0 to 6	0.9	74%
Leg Pain	0 to 10	3.8	0 to 4	1	76%

Summary of Trial Data:

A summary of the collected data shows that:

- **80 subjects (67%) had pre-existing pain factors** including Plantar Faciitis, Heel Spurs, Obesity, Flat Feet, Bunions, Calluses and Poor Circulation.
- **100% relief** was reported by 36% of subjects with foot pain, 56% with knee pain, 62% of subjects with leg pain and 56% with back pain.
- **96% of subjects** reported greater than 50% reduction in foot pain.
- **Subjects reporting Level "10" pain** (26) described 82% reduction in foot pain and a 75%, 100% and 75% reduction in knee, leg and back pain.



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