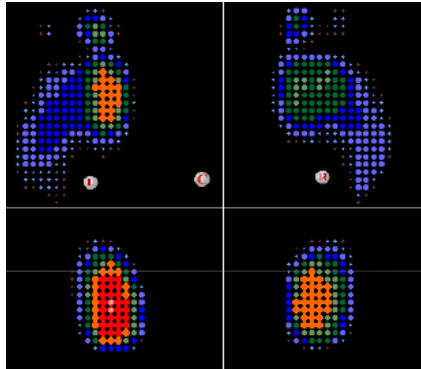


# Static Pressure Analysis

The measurement and assessment of foot pressures during standing can uncover both the cause of foot pain and the risk of potential pressure lesions, especially in the diabetic. At **gait diagnostics** we routinely assess foot pressures and provide solutions for our patients to improve weight distribution and troublesome areas of hyperload.



# Dynamic Imaging

Using a combination of video and a pressure sensor runway at **gait diagnostics** we are able to evaluate a patient's dynamic movements and the angles of individual joint segments. Dynamic imaging assesses the overall postural condition of the body and the impact forces the body is exposed to.

"before going to gait diagnostics, I was continually getting injured when I increased my running volume; however since diagnosing the problem using the gait lab, getting new orthotics as well as optimising the shoe I use, I have been able to train consistently without problems, and taken 10 minutes off my half marathon time"

ROBERT STEWART,  
INTERNATIONAL  
TRIATHLETE



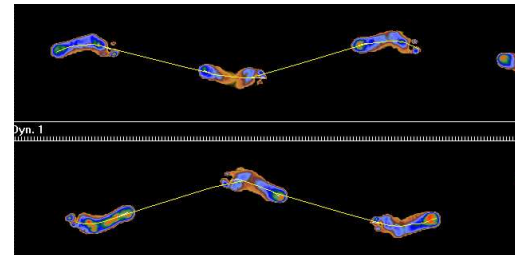
# Postural Stability

Being able to maintain balance and stability in day to day activity is essential particularly as one ages and concern about tripping and falling may increase. When the body is standing statically an amount of postural sway is present. These postural oscillations can be measured by specialised software at **gait diagnostics** to assess the function of the body's support systems. This investigation, when used in combination with dynamic imaging, allows us to understand both the functional coordination and the ability to maintain balance.



# Body Analysis

At **gait diagnostics** we gather video information about a patient which provides detailed information and measurements of the entire body. It measures angles, and imbalances of the body (head, neck, shoulder, pelvis, knee, ankle and foot) which will often be a factor in injury rehabilitation. These imbalances may also be a factor in musculoskeletal pain and dysfunction.



Gait and postural analysis is a tool which assists the health professionals at **gait diagnostics** to identify the causes of the biomechanical imbalances that are causing pain.

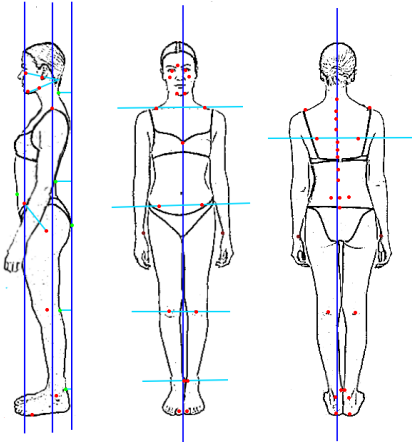


This process involves the use of specialised, computer-interfaced video cameras to measure patient motion; force platforms imbedded in a walkway to monitor the forces and torques occurring between the walking patient and the ground; and sophisticated software which provides accurate data.

Interpretation of the data by an experienced health professional at **gait diagnostics** is essential so that a management plan to address the issues can be implemented.

“value working together and objectively validating the findings from the gait analysis to improve outcomes with our patients”

GILL STOTTER, PHYSIOTHERAPIST



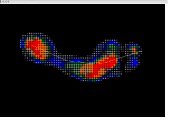
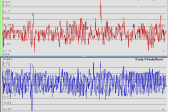
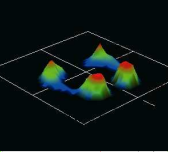
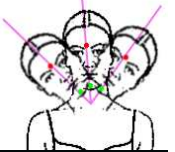
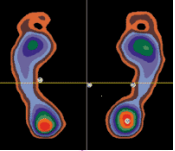
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Lisa Whiteman Podiatry Group

# gait diagnostics

*optimising function*



**walk** (wōk) **vi.** ME [walken <----OE *wealcan.* to roll, journey, akin to Ger *walken*, Frank\**walken* to full (cloth), stamp <----IE\* *wolg* <----base\**wel-*, to turn, roll, ---->L *volvere*, to roll, Gr *eilyein*, to rollup, wrap] to go along or move about on foot at a moderate pace; sepcif., to move by placing one foot firmly before lifting either of the others, as four legged creatures do, to go about on foot for exercise of pleasure; hike vt. to tranverse, **N.** the act of walking, a route traversed by walking, to take a **walk, walk, walk, walk**