Data acquisition & analysis: Session 2 Worksheet

With the understanding of how asymmetry may alter the pathway of force and how the body compensates to distribute any overloading over adjacent tissues, now is the time to see how our assumptions compare with the objective data.

Understanding that not all of us has plantar pressure equipment and even then, not all have Sensor Medica systems, I will try and provide some homework that covers all situations.

This task is to capture data from a subject walking and best understand what you are seeing.

GENERAL GAIT ASSESSMENT

Can you recognise the function of feet in the gait of your patients this week? Pick an example patient, that may have a key feature or condition that is interesting to note and list what you see below.

Initial Contact		
Loading Response		
Mid Stance		
Terminal Stance		

PLANTAR PRESSURE ASSESSMENT

For those with Plantar Pressure systems, pick an example patient, record their gait and go through the analysis process you have learnt in this Webinar. What do you see? Do the results make sense to you?

TASK	LEFT FOOT KEY FEATURES	RIGHT FOOT KEY FEATURES
Select Footprints		
Average Footprints		
Pressure Mapping • Loading • Asymmetry		
Curves (PvT Graph) • Symmetry • Timing • Shape		
CoP: Speed (Gaitline) • Fluidity • Trajectory		
Other Key Features		

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