# Clinical Report - Balance Error Scoring System

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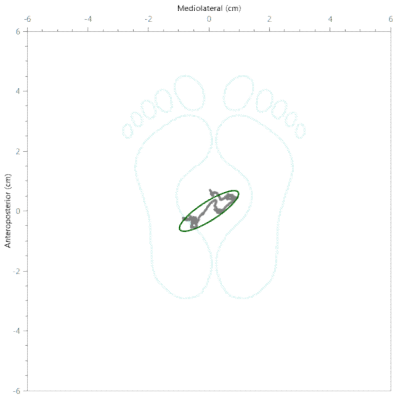
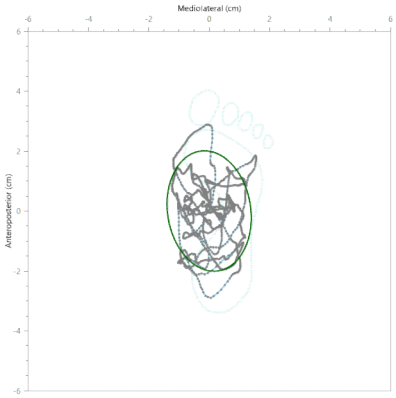
|---|---|---|---|---|---|
| **Name** | John Stuart | **Age** | 59 | **Device** | PhysioSensing |
| **Gender** | Male | **Date** | 06/02/2021 18:26:33 | **Clinic** | |
| **Height** | 1.68 m | **ID** | T04_10 | **Health professional** | CT |
| **Weight** | 72.0 kg | | | | |
| **Diagnosis** | | | | | |
| **Protocol** | The BESS allows the measurement of postural stability in 6 different conditions with closed eyes. | | | | |

| | Sway Index | Mean COP sway velocity (°/s) | Ellipse area (mm²) | Time (s) | Errors |
|---|---|---|---|---|---|
| **Two feet together Firm surface** | 0.6 | 0.6 | 111.8 | 20 | 0 |
| **Non-dominant foot Firm surface** | 1.2 | 2.4 | 874.4 | 20 | 0 |
| **Tandem stance Firm surface** | 1.3 | 2 | 1041.9 | 20 | 0 |
| **Two feet together Foam surface** | 0.8 | 1.1 | 363.6 | 20 | 0 |
| **Non-dominant foot Foam surface** | 1.6 | 2.7 | 1300.7 | 20 | 0 |
| **Tandem stance Foam surface** | 1.9 | 3.6 | 1663.7 | 20 | 0 |
| **Composite** | 1.2 | 2 | 892.7 | - | **Total** 0 |

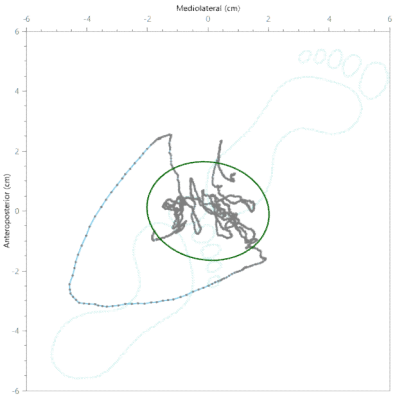
## Two feet together Firm surface



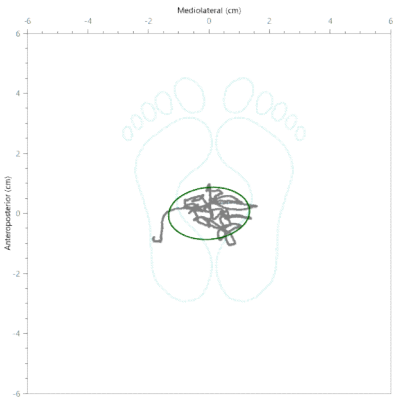

## Non-dominant foot Firm surface



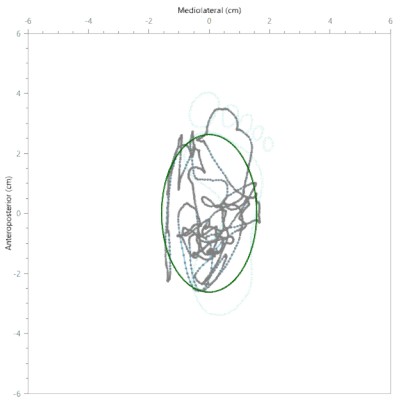

## Tandem stance Firm surface



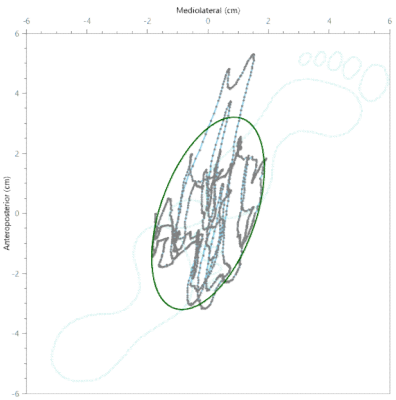

## Two feet together Foam surface




## Non-dominant foot Foam surface




## Tandem stance Foam surface




scale range: -6 to 6 cm

frequency acquisition: 100Hz

## Clinical Considerations

High values in sway velocity with feet together on firm surface should be interpreted with caution, as this condition is the same as the Romberg test, which proved to be insensitive to changes in postural sway after mild injury. Athletes with abnormal values in this condition should be considered for further medical evaluation and/or repeat the test.