**Report on Gait Analysis using body fixed inertial sensors**

**Patient ID:** ID\_1

**Patient Name:** Matteo Ciprian

**Analysis ID:** Patient\_ID\_1\_Gait\_Analysis\_ID\_5

**Evaluation date:** 12-Dec-2017

1. **Patient details**
2. **Gait metrics:**
3. *Spatiotemporal parameters*
4. *Asymmetry*
5. *Kinematical curves*
6. **Summary of performance measures**
7. **Patient details:**

**Date of birth:** 30/09/1994

**Gender:** M

**CP Subtype:** 2

**GMFCS level:** 3

**Height (cm):** 182

**Weight (kg):** 78

**Evaluation**

**Type:**  baseline

**Monitoring day:** asd

**Configuration:** Left-Thigh Right-Thigh Left-Shank Right-Shank

**Duration (min):**

**Start & end time:**

**Weather:**

**Remarks:**

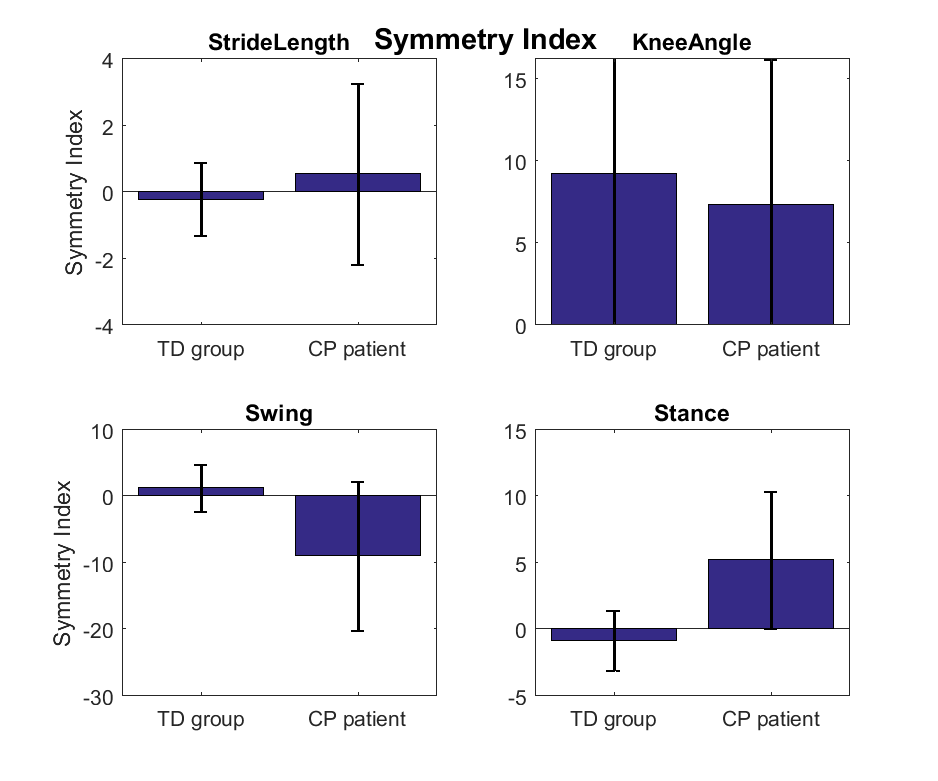
1. **Gait metrics**
2. ***Spatiotemporal parameters***

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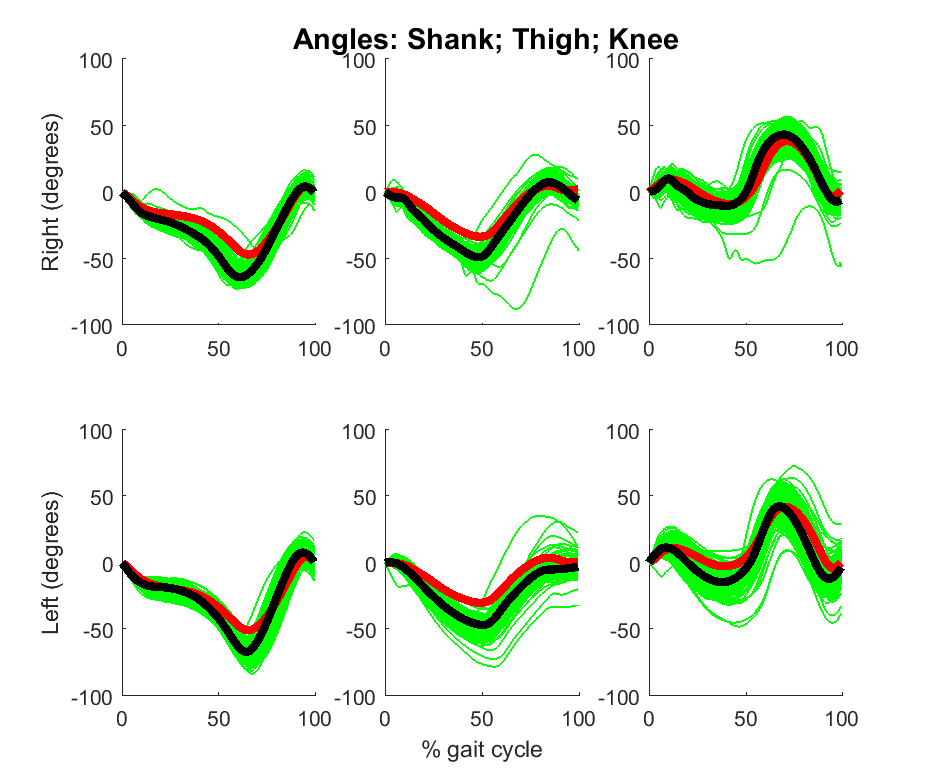
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|  | TD group | CP This Analysis |
| Mean Cadence (steps/min) | 126.7076 | 108.9726 |
| Median Cadence (steps/min) | 118.1336 | 110.2992 |
| Maximum Cadence (steps/min) | 223.5121 | 136.248 |
| Mean Speed (m/s) | 1.0549 | 0.97818 |
| Median Speed (m/s) | 1.0598 | 1.0102 |
| Maximum Speed (m/s) | 1.3994 | 1.3486 |
| Mean Normalized Speed (m/s) | 1.4363 | 1.2382 |
| Median Normalized Speed (m/s) | 1.4893 | 1.2787 |
| Maximum Normalized Speed (m/s) | 1.9349 | 1.7071 |
| Mean Normalized Stride Length RL (m) | 1.4141 | 1.3477 |
| Median Normalized Stride Length RL (m) | 1.5022 | 1.3864 |
| Mean Normalized Stride Length LL (m) | 1.4164 | 1.355 |
| Median Normalized Stride Length LL (m) | 1.5121 | 1.3661 |
| Mean Swing RL(%gct) | 40.719 | 42.7529 |
| Median Swing RL(%gct) | 40.9886 | 43.0379 |
| Mean Swing LL(%gct) | 40.898 | 39.4908 |
| Median Swing LL(%gct) | 40.9159 | 40.6672 |
| Mean Stance RL(%gct) | 59.281 | 57.2471 |
| Median Stance RL(%gct) | 59.0114 | 56.9621 |
| Mean Stance LL(%gct) | 59.102 | 60.5092 |
| Median Stance LL(%gct) | 59.0841 | 59.3328 |
| Statistical Distance Cadence |  | 0.36249 |
| Statistical Distance Normalized Speed |  | 0.43453 |
| Statistical Distance Normalized Stride Length RL |  | 0.33305 |
| Statistical Distance Normalized Stride Length LL |  | 0.35267 |
| Statistical Distance Swing RL |  | 0.29681 |
| Statistical Distance Swing LL |  | 0.14813 |
| Statistical Distance Stance RL |  | 0.29681 |
| Statistical Distance Stance LL |  | 0.14813 |

1. ***Asymmetry***



1. ***Kinematical curves for maximal walking distance recorded during monitoring day***



1. **Summary of performance measures**

