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|  | **Investigation goal** | **Results** | **video** | **Real-time** | **Long term use of data** | **Subjects** | **Sensors** | **Home monitoring** | **Hours of sensor use** | **Cited by** |
| 1 (2006) | Characterize dyskinesia | 5 of 12 subjects showed significant modulation | No | No | Yes | 12 | * accelerometer   (8 sensors) | - | Specific sessions | 23 papers |
| 12 (feb 2007) | Quantification of Tremor and Bradykinesia |  | Yes | No | Yes | 1st study: 10 PD patients  10 control subjects  2nd study: 11 PD patients | * Gyroscope   (2 sensors) | No | 1st study: 45’ protocol of  17 daily activities  2nd study: free  movements recorded  for periods of 3-5  hours | 143 papers |
| 2 (aug 2007) | Characterize  dyskinesia & bradykinesia |  | No | No | Yes | 12( in-lab) | * accelerometer * gyroscope   (8 sensors) | Yes | Every 30’ during a motor fluctuation cycle | 25 papers |
| 3 (jan 2009) | Monitor neuromotor activity |  | No | Yes | Yes | 6(in earlier version of Mercury platform) | * accelerometer * gyroscope   (8 sensors) | Yes | During the day | 47 papers |
| 14 (jun 2009) | FOG detection |  | Yes | Yes | - | 5 subjects\* | * accelerometer * gyroscope   (1 sensor) | Yes | - | 15 papers |
| 4 (nov 2009) | Monitor  motor fluctuations |  | Yes | No | Yes | 12(in-lab) | * accelerometer   (8 sensors) | No | 7 trials at intervals of 30’ | 194 papers |
| 5 (mar 2010) | FOG detection |  | Yes | Yes | - | 10(in-lab) | * accelerometer   (3 sensors) | Yes | Specific sessions and walk in patients natural place about 10’-15’ | 90 papers |
| 6 (sept 2010) | Monitor  motor fluctuations |  | Yes | Yes | Yes | Not mentioned | * accelerometer   (8 sensors) | Yes | 12-18 hours a day | 16 papers |
| 7 (mar 2011) | Monitor  motor fluctuations |  | Yes | Yes | Yes | Not mentioned | * accelerometer   (8 sensors) | Yes | Not mentioned | 56 papers |
| 8 (may 2012) | Assessment of tremor |  | No | No | - | 23  (18 was PD’s patients) | * accelerometer   (6 sensors) | Yes | Specific sessions | 42 papers |

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|  | **Investigation goal** | **Results** | **video** | **Real-time** | **Long term use of data** | **Subjects** | **Sensors** | **Home monitoring** | **Hours of sensor use** | **Cited by** |
| 13 (2012) | FOG detection |  | Yes | Yes | - | 10 PD patients | * accelerometer * gyroscope   (3 sensors) | Yes | Two sessions of 10-15’ each | 17 papers |
| 9 (jan 2013) | Characterize motor symptoms during TUG and FOG |  | No | No | Yes | 20  (10 was PD’s patients) | * accelerometer * gyroscope   (1 sensor) | Yes | Gait cycles | 39 papers |
| 10 | FOG detection |  | No | Yes | - | Not mentioned | * accelerometer * gyroscope * magnetometer   (3 sensors) | Yes | Periods of 30’ in a day | 2 papers |
| 11 (2015) | FOG detection |  | No | Yes | Yes | 23(in-lab)  9(out-lab) | * accelerometer * gyroscope * magnetometer   (2 sensors) | Yes | 60’ | 0 papers |
| 15(2017) | Fog detection |  | No | Yes | - | 10 PD patients | * accelerometer   (3 sensors) | Yes | Three walking tasks about 10-15’ | - |