	Investigation goal	video	Real-time	Long term use of data	Subjects	Sensors	Home monitoring	Hours of sensor use	Cited by
1 (2006)	Characterize dyskinesia	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 (june 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

	Investigation goal	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 (march 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'	-