



PARKINSON'S DISEASE NEWS

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THE SENSE-PARK SYSTEM FOR PARKINSON'S DISEASE DIAGNOSIS

The SENSE-PARK System has been developed to enable an objective, continuous and relatively unobtrusive system to monitor Parkinson's Disease. It consists of wearable sensors, three of which are worn during the day and one of them worn at night, a smartphone-based App, and a balance board and computer software. For more information go to : <http://www.sense-park.eu/measure-pd.php>

The SENSE-PARK System was tested 24/7 over 12 weeks in a study involving people with Parkinson's Disease. During the first four weeks of the study, patients did not get feedback about their performance, during the last eight weeks they did. The study included seven clinical visits with standardised interviews, and regular phone contact.



The primary outcome was the number of drop-outs during the study. Yet all patients completed the study. The participants rated the usability of the SENSE-PARK System favourably. The interviews revealed that most participants liked using the system and appreciated that it signalled changes in their health condition.

This study demonstrated that the acceptance level of people with Parkinson's Disease using the SENSE-PARK System as a home-based 24/7 assessment is very good. Motivation to use the system can be increased by providing feedback about the individual health condition.

Reference : BMC Neurology [2015] 15 : 89 (J.J.Ferreira, C.Godinho, A.T.Santos, J. Domingos, D.Abreu, R.Lobo, N.Gonçalves, M.Barra, F.Larsen, Ø.Fagerbakke, I.Akeren, H. Wangen, J.A.Serrano, P.Weber, A.Thoms, S.Meckler, S.Sollinger, J.van Uem, M.A.Hobert, K.Maier, H.Matthew, T.Isaacs, J.Duffen, H.Graessner, W.Maetzler)

Complete abstract : <http://www.ncbi.nlm.nih.gov/pubmed/26059091>

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