

ADaTAtHOME

IMPROVES QUALITY OF LIFE

Intellectual Output 4: Training Package on Assistive Technologies for Improving the Quality of Life of Persons with Advanced Dementia in Domiciliary Environments



Profile AT

Name of AT: FreeStyle Libre	
Useful for:	Monitoring the glucose level
Category:	Medication
Short description:	Useful device to monitor the glucose level of persons with diabetes without having to take a blood sample.
Implementation:	<p>Consists of a sensor and the matching reader or the Librelink app.</p> <p>The sensor is mounted on the back of the upper arm with the help of an applicator. With each scan with the reader the current sugar level, a trend arrow and a graph showing the sugar trend over the last 8 hours is displayed.</p>
Requirement for technical knowledge:	Users should be skilled in using digital applications. If not, the support of relatives is needed for implementation.
Possible difficulties:	None difficulties expected. With a little care, the sensor holds securely in place so that it is possible to shower or dress normally.
Where to use:	The FreeStyle Libre is a device for monitoring blood glucose levels in diabetes. For this purpose, an electrode is placed under the skin (sensor), which





	continuously records blood glucose values in constant contact with the cell tissue. With a handy reader, the current value can be scanned and displayed by briefly approaching the electrode.
Costs:	Sensor: 59,90€ Reader: via the App (the original reader is only available via a health insurance prescription in Germany)
Where to buy:	Online: Sensor FreeStyle Libre 2 von Abbott
Case-Study:	- similar results to conventional systems and high patient satisfaction (Olafsdottir, Attvall, Sandgren, Dahlqvist, Pivodic, Skrtic, Theodorsson & Lind (2017)) - The availability of FreeStyle Libre has resolved the difficulties of finger-prick testing in people with dementia and allows carers the freedom to check the glucose unobtrusively at any time of day or night. Twenty-four hour profiles will identify nocturnal hypoglycaemia and help with pattern recognition (short report: Fox & Kilvert (2019))
Training Material:	Training video (German): Freestyle Libre Training 3 - mg - 2015-02-09 from FRFS on Vimeo Training video (English): Get Started with your FreeStyle Libre 14 day System - YouTube Training video (Spanish): Colocación y cambio de sensor FreeStyle Libre - YouTube Training/ information material (French): MyFreeStyle FreeStyle Diabète (freestylediabete.fr)

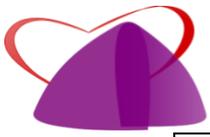
Name of AT: Dexcom G6	
Useful for:	Monitoring the glucose level
Category:	Medication
Short description:	<p>A system for the real-time continuous glucose monitoring. Data can be shared with up to 5 persons using the Dexcom App.</p> 





Implementation:	<p>Consists of a sensor and the matching Dexcomapp.</p> <p>The sensor is mounted on the back of the upper arm, upper buttocks or abdomen with the help of an auto-applicator. With each scan with the reader the current sugar level, a trend arrow and a graph showing the sugar trend over the last 8 hours is displayed.</p>
Requirement for technical knowledge:	Medium ** - define categories together
Possible difficulties:	None difficulties expected. With a little care, the sensor holds securely in place so that it is possible to shower or dress normally.
Where to use:	<p>The Dexcom G6 is a device for monitoring blood glucose levels in diabetes using a sensor under the skin. The history of Dexcom G6 tissue glucose data can be reviewed using our cloud-based reporting system, Dexcom CLARITY.</p> <p>The rtCGM trends and progression patterns can be displayed and shared with the physician to better control the diabetes. Timely and customizable warnings for high and low values are intended to prevent worse things from happening.</p>
Costs:	Upon request (from approx.. 190,00 €) (in Germany subsidized by the health insurance)
Where to buy:	Only after registration.
Case-Study:	Cost-effective device which provides a benefit in the quality of life and reduces the fear of hypoglycemia (Roze, Isitt, Smith-Palmer, Lynch, Kilkenbijn, Zammit & Benhamou (2020))





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Training Material:	Training sessions and tutorials online on the product website in various languages: Downloads and Guides Dexcom
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