

## Applications and devices supporting early diagnosis of movement and cognitive deficits in elderly that can be used in both homes and medical units.

- Dr n. med. Jarosław Derejczyk, geriatrician, Director of John Paul II Geriatric Hospital in Katowice EMC Silesia sp. z o.o. ([jaroslaw.derejczyk@emc-sa.pl](mailto:jaroslaw.derejczyk@emc-sa.pl); +48661300295)
- Anna Brzęska-Mikoda, Director of Research and Development Center, EMC Silesia sp. z o.o. ([anna.brzeska-mikoda@emc-sa.pl](mailto:anna.brzeska-mikoda@emc-sa.pl); +48 512310081)
- Grzegorz Derejczyk, telemedicine solutions specialist ([g.derejczyk@gmail.com](mailto:g.derejczyk@gmail.com); 602427490)

[www.katowice.emc-sa.pl](http://www.katowice.emc-sa.pl)

We are one of the first and still the only mono specialized geriatric hospital in Poland (we have the status of a large company). We hospitalize more than 1.7 thousand patients a year with an average age of 85. Our experience ranks us among reference geriatric centers in the country. We are part of **EMC Medical Institute Capital Group** ([www.emc-sa.pl](http://www.emc-sa.pl)).



## Who We Are

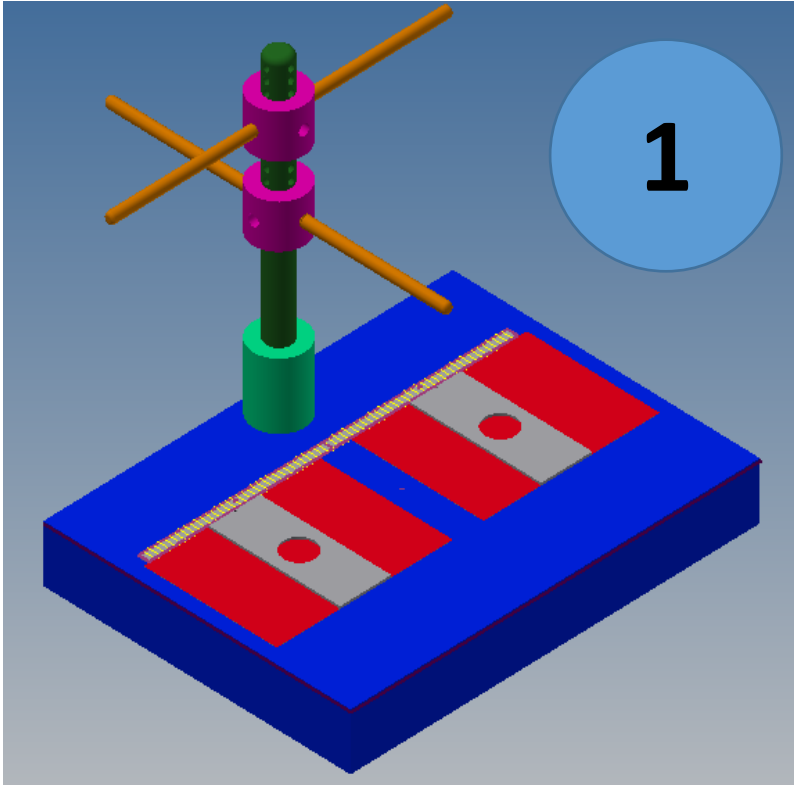


In 2015 we have set up our own Research and Development Center. As part of R&D center we are working in the field of comprehensive and effective geriatric diagnosis and treatment (available mainly within the public health system), geriatric rehabilitation and new diagnostic and therapeutic forms such as telegeriatrics and non institutionalized care. We are also working on prototypes of devices supporting movement diagnosis of elderly.

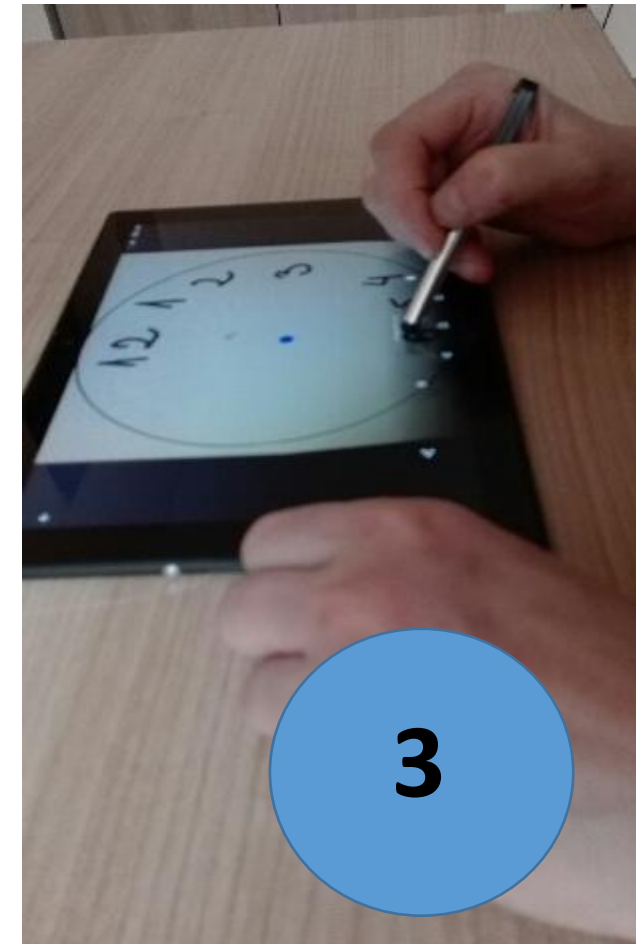
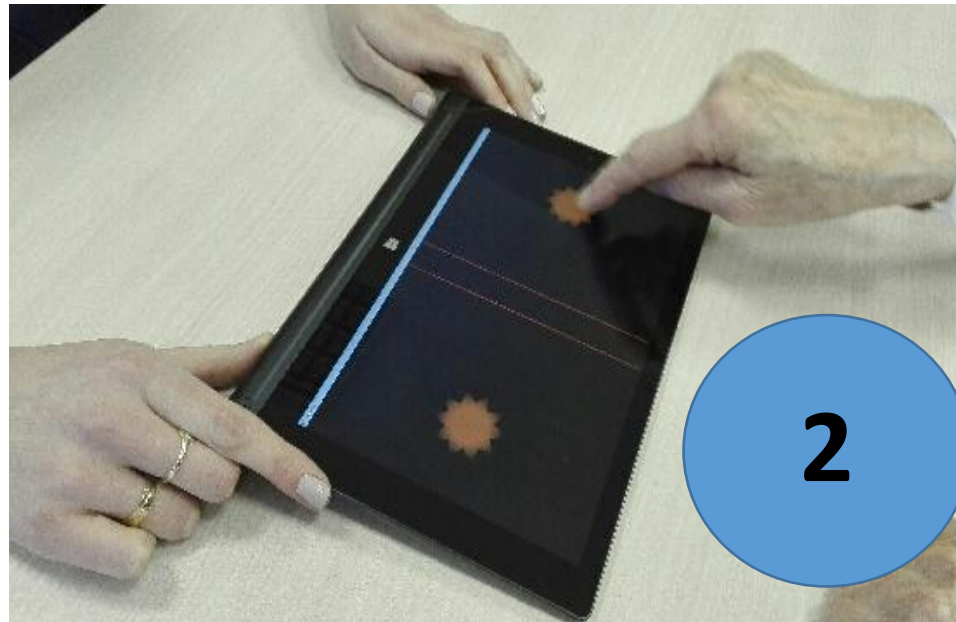


By implementing the ideas of innovation we've become a partner for institution such as **Silesian University of Technology, University of Physical Education in Katowice, Medical University of Silesia, University of Silesia and Eurocentrum Science and Technology Park**. We are involved in scientific/research and implementation projects. Our research team consist of geriatric and rehabilitation doctors, physiotherapists, psychologists, geriatric nurses, carers, nutritionists, economists and project management specialists.

Currently along with NGO (Memory and Help Foundation) and Silesian University of Technology we are working on project from the field of social innovation called **Telediagnostic Geriatric Platform** (financed by National R&D Center). The aim of the project is to provide society with common, easy to use and clinically reliable diagnostic tests thanks to which elderly would be able to assess their psychomotor condition preventing dangerous incidents associated with memory loss or falls. ([www.fundpip.org.pl](http://www.fundpip.org.pl))



We have prototypes of devices and applications for diagnosis of cognitive and movement dysfunction of the elderly. Their use at home allows to fulfill the demands of healthy aging. Used in medical centers they help to improve the quality of medical care for the elderly, especially in places with lack of specialists geriatricians.



## Project idea

**We are looking for partners who are interested in implementing projects developed by EMC Silesia and our partners as well as those who are looking for centers where it is possible to verify e-health solutions to improve the lives of elderly.**

