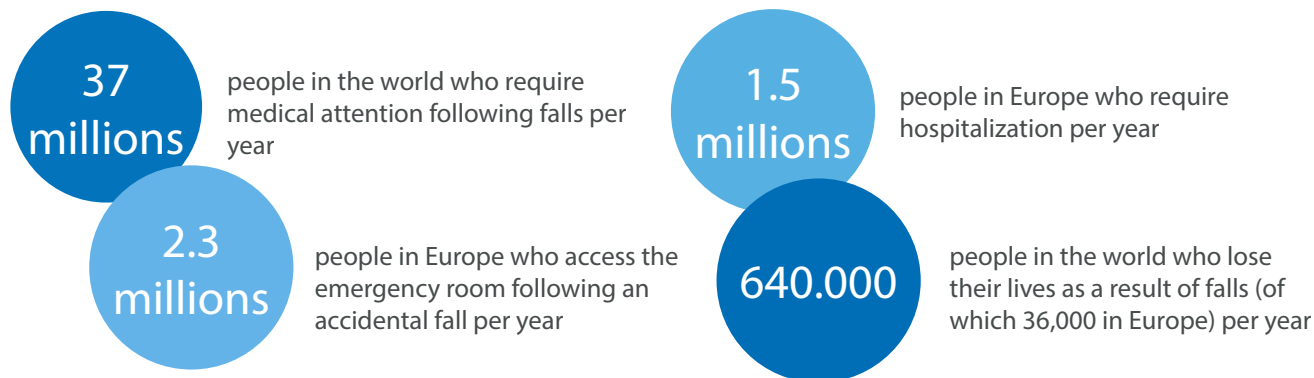




silver index

Predict and prevent  
the risk of falls:  
personalized  
rehabilitation,  
from evaluation to  
treatment.



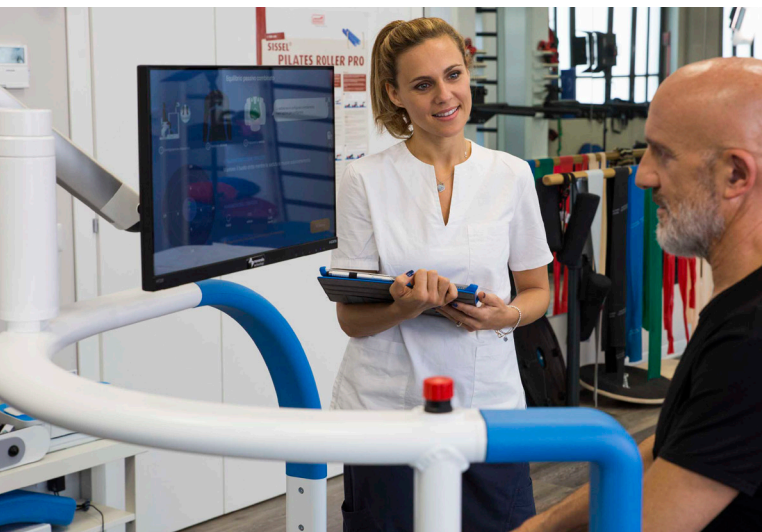
(Sources: World Health Organization, 2018 - European Public Health Association).

## Clinical study


Carried out in **36 months** of research and development together with **Ospedali Galliera di Genova**.

It is used along with hunova and huno, its orthopedic version. The technology has already evaluated and treated over 5,000 patients in hospitals and specialized centers all over the world in orthopedic, neurological, geriatric and sports fields.


The result of clinical studies over time has been the development of over 200 exercises and 30 dedicated protocols for prevention and rehabilitation treatments.

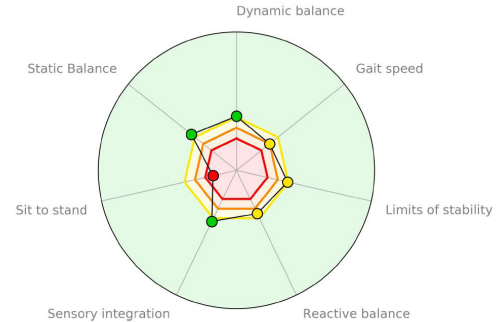


## The predictive and preventive index

 **silver index** simulates the static and dynamic “perturbative” elements at the origin of falls in a controlled way, highlighting the specific deficiency of the person and the relative personalized rehabilitative intervention. The evaluation is progressive and thanks to the use of Artificial Intelligence with its machine learning algorithms, the best biomechanical and clinical parameters have been selected to obtain the most accurate prediction degree.



 **silver index** is an objective test that enables to predict and prevent falls risk in people over 65. The test is based on an algorithm, which through a robotic evaluation summarizes and improves the clinical scales in use (Short Physical Performance Battery, Performance Oriented Mobility Assessment, Timed Up & Go Test), allowing to have an objective evaluation and personalized on the risk of falls.



Graphic representation of the functional deficit of the areas analyzed by the silver index.




**ACCURATE evaluation**  
(95% reliability compared to 81% of traditional assessments)  
and **NON-INVASIVE.**  
**It takes ONLY 20 MINUTES**  
&  
**gives immediate report!**



## Results and Treatment

Once the percentage of the risk of falls is obtained,


 **silver index** suggests the best preventive strategy focusing the treatments in those areas where the robotic evaluation has found a deficit.

Movendo Technology assists the medical and physiotherapy staff in the new frontier of specialized treatment, returning an important set of objective data and quantitative findings to date not identified, thus improving both the effectiveness and efficiency of the overall rehabilitation process.




Percentage risk marker inside the report.

# Benefits for everyone

Thanks to  silver index evaluation times are drastically reduced which allows to condense in 20 minutes what with a standard clinical evaluation would require more than two hours. The following are the main advantages:

FOR THE PATIENT	FOR THE CLINIC
Greater accuracy in predicting the risk of falls	Opportunity to evaluate more patients per day
Less visit time than traditional evaluations	Reimbursement recognized by tariff nomenclatures
Objective and real-time report	Possibility to increase the patients' target
Personalized rehabilitation program	Return on investment starting from 3 evaluations per week

“  silver index is the first of a series of algorithms that Movendo Technology is developing in the field of machine learning and Artificial Intelligence applied to people’s clinical data. The purpose is to develop a line of solutions based on people’s age and lifestyle in order to facilitate a prevention path based on prediction and not on mere forecasting. This solution, together with others, is radically changing the approach to health, shifting the attention to the issue of prevention, with positive effects in different areas such as insurance and welfare in general “.

**Simone Ungaro, CEO & Co-Founder of Movendo Technology**



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*“The silver index may only be used in association with hunova/huno/huno s devices.”*