

Session 2

Better Health and Care

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Organization

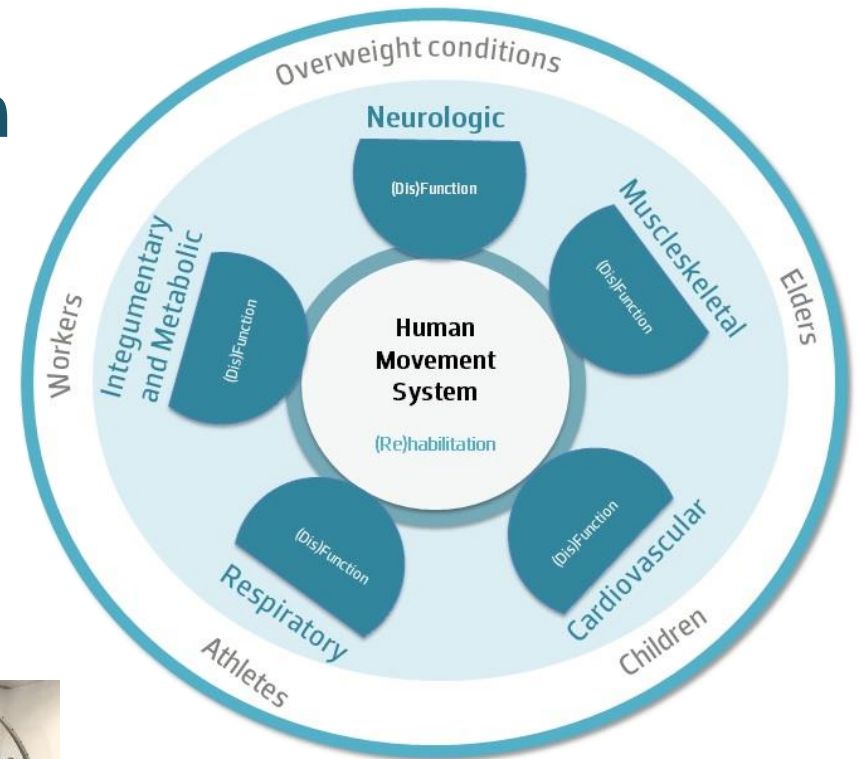
Center for Rehabilitation Research – R&D Institution

Country:

Portugal

Department:

Human Movement
System Rehabilitation



Our expertise

Our main goal is to develop and/or test interpretive, explanatory and predictive models and strategies, processes, products/technologies for assessment, measurement and intervention in the (Re)habilitation Sciences.

- What we can offer to Health and Care?

- **Personalized medicine:**

- *Digital diagnostics – developing tools for supporting clinical decisions by integrating various diagnostic data*

Expertise

- Creation of new knowledge regarding motor control reorganization in diseases affecting the human movement system with translation to clinical practice - **more than two hundred papers published**
 - Optimization of solutions to assess key motor control variables without resourcing to highly expensive equipment and specialized technicians to support the best rehabilitation strategies and recommendations

Our expertise

- What we can offer to Health and Care?

- **Personalized medicine:**

- *Towards risk-based screening strategies for non-communicable diseases*

Expertise

- Motor control, biomechanical and neuroscience knowledge to support the development of low cost solutions to:
 - **Early detection of neurodevelopmental disorders** based on general movements since first months of life;
 - **Assess health determinantes** regarding behavioural, occupational and lifestyle habits in populations with high risk of developing a disease like **elders**

Our expertise

- What we can offer to Health and Care?

- **Innovative health and care industry :**

- *New interventions for Non-Communicable Diseases*

Expertise

- Motor control, biomechanical and neuroscience knowledge to support the development of low cost solutions to:
 - Motor control knowledge usefull for the creation of rehabilitation solutions capable of improving functionality by improving motor control performance – **one product validation for stroke rehabilitation**
 - New interventions for adipose tissue reduction in obese persons as measure for cardiovascular disease risk decrease– **twenty papers published**

Contact details



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THANK YOU FOR YOUR
ATTENTION!

