



### Wednesday 25th of September 2024 4:00 PM- 4:10 PM

### Evidence-based framework to optimize active upper limb motor training in subacute cervical spinal cord injury

#### SPEAKER'S DISCLOSURE

#### I declare to have no interests in the below:

- The existence of any significant financial activity or other relationship
- Financial or material compensation in relation to research and publishing
- Financial or material compensation in relation to educational activities
- Ownerships and possessions in companies related to health care (includes service provides, IT)
- Compensation for expert functions in health care and consulting health care guidance processes



Evidence-based framework to optimize active upper limb motor training in subacute cervical spinal cord injury

**ISCoS** 

Wednesday 25<sup>th</sup> of September 2024 Nele Bertels, PhD student, REVAL Under supervision of Prof. Annemie Spooren





**KNOWLEDGE IN ACTION** 



Active motor training

Enhancing upper limb function In people with cervical spinal cord injury (pwC-SCI)

To develop a conceptual framework for pwC-SCI in subacute rehabilitation phase

- to enhance upper limb function at the ICF activity level
- to integrate skills into daily life

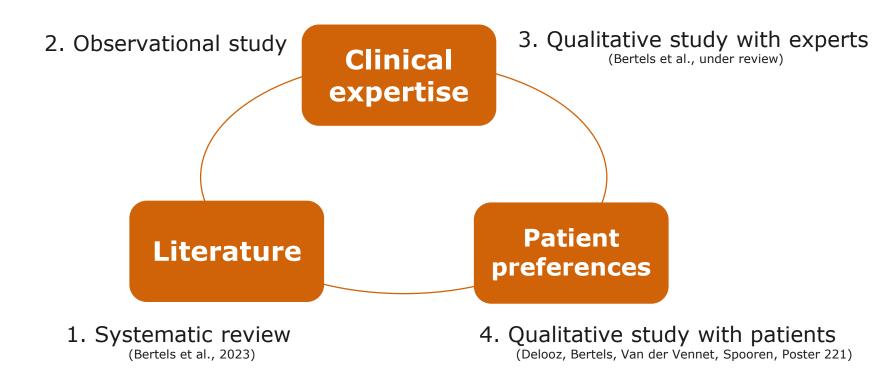






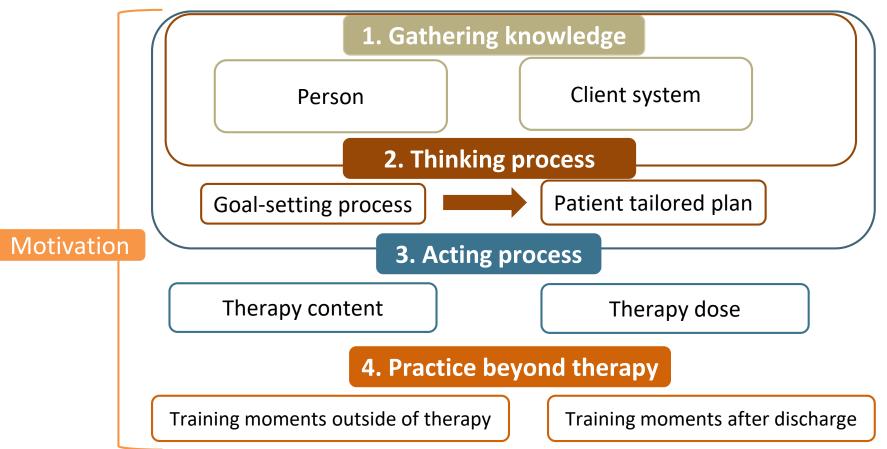
Kloosterman et al., 2009; Spooren et al., 2009; Lu et al., 2015

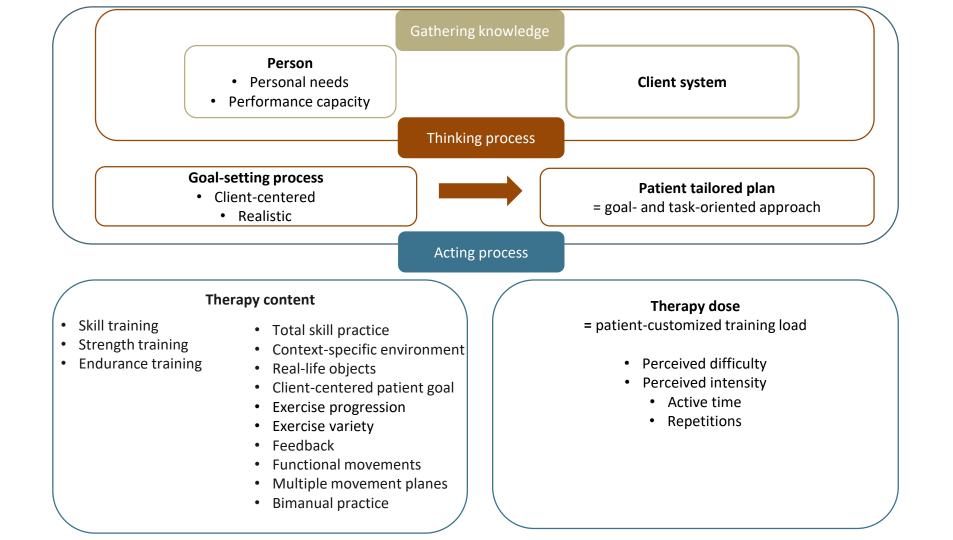
Method

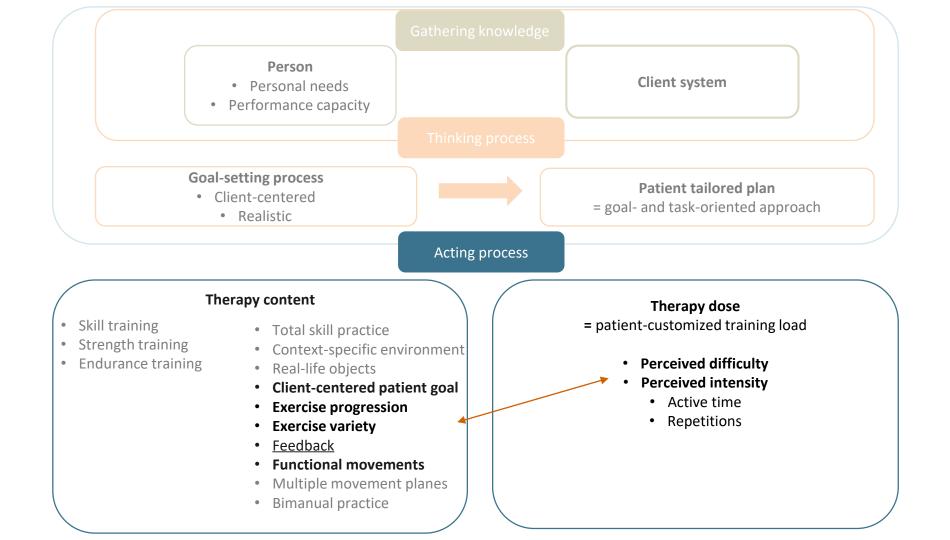


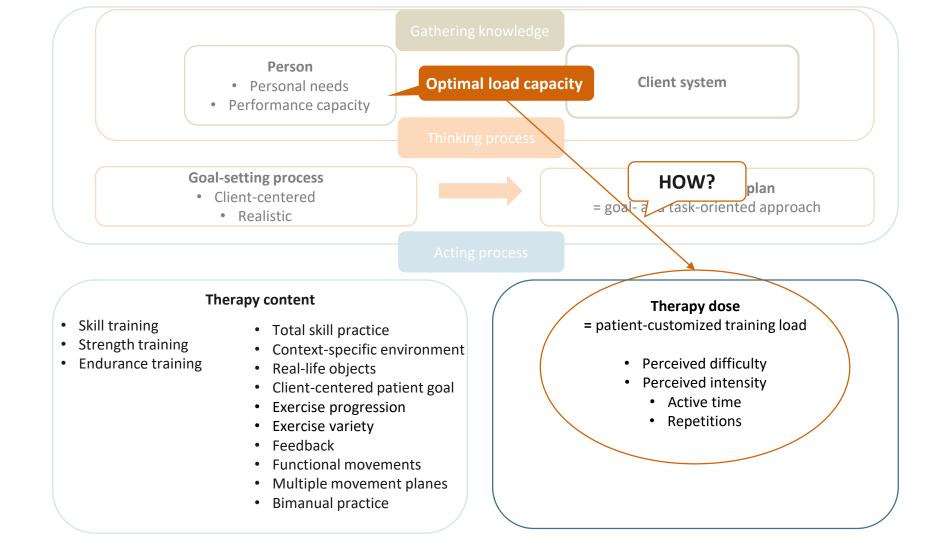


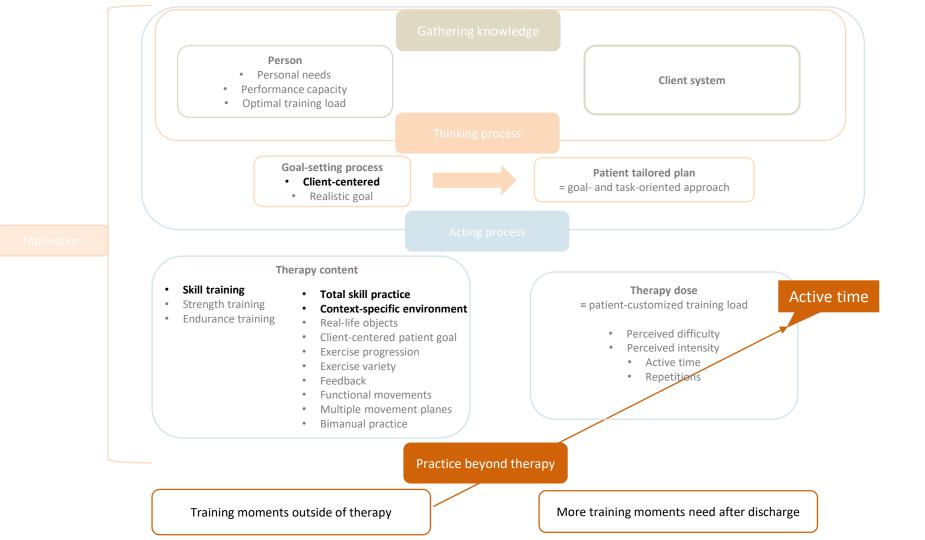
## Results











# Conclusion

Conceptual framework to enhance upper limb function at ICF activity level and integrating skills into daily life

- to guide therapists throughout the process of skill training
- to provide insights into the interconnection of different phases and components



## Next step

E-Delphi study with experts worldwide to verify the completeness of the framework internationally



Dr. van Laake-Geelen and team Dr. Yvonne Janssen-Potten Dr. Borgions and team

Prof. Oostra and team

