



# Concise Arm and Hand Rehabilitation in Stroke CARAS

A practical and evidence-based framework for arm-hand rehabilitation management

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#### Introduction



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Field of interest: clinical management of arm-hand rehabilitation in stroke with a special interest in stroke survivors suffering from a moderately to severely impaired arm and hand in sub-acute stroke phase.



# impaired arm hand in post-stroke rehabilitation

### **Practical considerations**

- Heterogeneity population and associated patterns of recovery of armhand skill performance
- 2. Lack of the patient's involvement in arm and hand training
- 3. Difficulties to implement new developments swiftly in daily practice
- 4. The lack of adequate description and adaptation of arm hand rehabilitation paradigms for stroke survivors

## 4 solutions

- Stratify patients with an impaired arm and hand into different levels of dexterity
- 2. Using self-efficacy principles to overcome the lack of the patient's engagement towards arm-hand treatment and arm-hand performance
- 3. Easy to replace modularly-built trainings schedules fitted in time blocks to adopt new insights into clinical practice
- 4. Well-described (no protocolled) program containing stepwise, comprehensible procedures, fitting 80% of the stroke rehabilitation population



































































