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vCare`s journey from innovation to prescription – an intermediate assessment

EHTEL Symposium
Jump into the vCare Universe

https://twitter.com/vCare_project
@vCare_project
vCare in a nutshell

Clinical Setting

Rehab Center

Home Environment

Post Stroke Cognitive Decline
Post Heart Attack Physical Disabilities
Cognitive Decline, Physical Disabilities

inpatients

outpatients

Integrated pathways + Setting Virtual Coach

Rehabilitation Program at Home + Virtual Coach Activity

Monitoring Treatment Optimization Coaching

Continuity of Care

Social Worker, Physiotherapist, Neuropsychologist, Case manager

General Practitioner
vCare in a nutshell

Virtual Coach

- Provide feedback (motivational/corrective)
- Make aware of risk behaviour
- Send reminders
- Provide counselling

Contextualization

- Analyse underlying Pathway information
- Consider available data
- Choose appropriate activities

Activity Monitoring

- Adapt pathway
- personalised pathway
- Track reha evolution
- Adapt activity parameters

Send report to caregiver

Mood
Habits
Preferences

Machine learning & knowledge integration

Activity & health monitoring

Unambiguous location & fall detection

Clinical pathways: Personalised and adaptive rehabilitation

Forschungsgruppe Digital Health
vCare`s Journey so far – from innovation...

- **TRL 3 (2017)**
  - **CONCEPT**
  - **LABTESTS** (multi-centric)
  - **PILOT** (multi-centric)
- **TRL 7 (2021)**
vCare`s Journey so far from innovation ...

- Concept Building
- Development
- Study Protocol
- Ethical Approval
- TechLab Testing
- Living Lab Testing
- Pilot Testing
- IPR Management
- Exploitation & Dissemination
vCare`s Journey – ...to prescription

- Conformance with Legislation
- Schema for Reimbursement
- Attract the Market (Key User, USP)
- Big Scale Study (Evidenz)
- IPR & Joint exploitation agreement

MDR
USP
DTx
MVP
→ Virtual Coaching

→ Digital Pathways for Patient Empowerment

→ Diffusion And Scale-Up IT Systems

→ Integration Medical Guidelines and Patient-centred Pathways