Clinical Translation

DISCOURSE WORKING GROUP

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Why a clinical translation working group?

- Language & clinical symptoms (thought disorder):
  ◦ predictive of clinical & functional outcomes
    ◦ i.e. interpersonal function (Agostini et al, 2021)
  ◦ impact quality of life
    ◦ i.e. verbal underproductivity - objective QoL, pressured speech - subjective QoL (Tan, Thomas & Rossell 2013)

- Clinically patients successfully engage in speech therapy

- Current rehabilitation / remediation of verbal skills/memory

- Emerging literature language remediation

Current remediation

- Cognitive Remediation (d=0.45 Wykes, 2011; d=0.3 Vita, 2021)
  ◦ Many packages focus verbal memory/ verbal communication (IPT)

- Social Cognition Remediation (~d=0.35-4, Kurtz, 2008)

- Limited but emerging Language Remediation
  ◦ Few case studies
  ◦ Open label
  ◦ Pragmatics of communication (PragmaCom)

Current tools - Interventions

- Cognitive Pragmatic Treatment (Bosco et al., 2016)

- Conecta-2 (Figueroa et al., 2019)

- Let's talk! (Melo et al., 2019)

- Multimodal Speech- Gesture (MSG) training (Riedl et al., 2020)

- Speech Therapy Intervention Group (STIG) (dos Santos et al., 2021)

- PragmaCom (Bambini et al., 2022)

See Jimeno et al (2024) Heliyon

Current tools - Assessments

– General Objective
BPRS
PANSS
SANS/SAPS

– Specific Objective
TLC
BIT
TALD

– General Subjective
FCQ
BSABS
SNES

– Specific Subjective
FTD-p
TALD

Other Elements to consider:
– QoL (AQoL)
– Global functioning (GAF)
– Speech production / comprehension
– Social Communication
– Recovery
– Cognition/social cognition
– Vocational outcomes

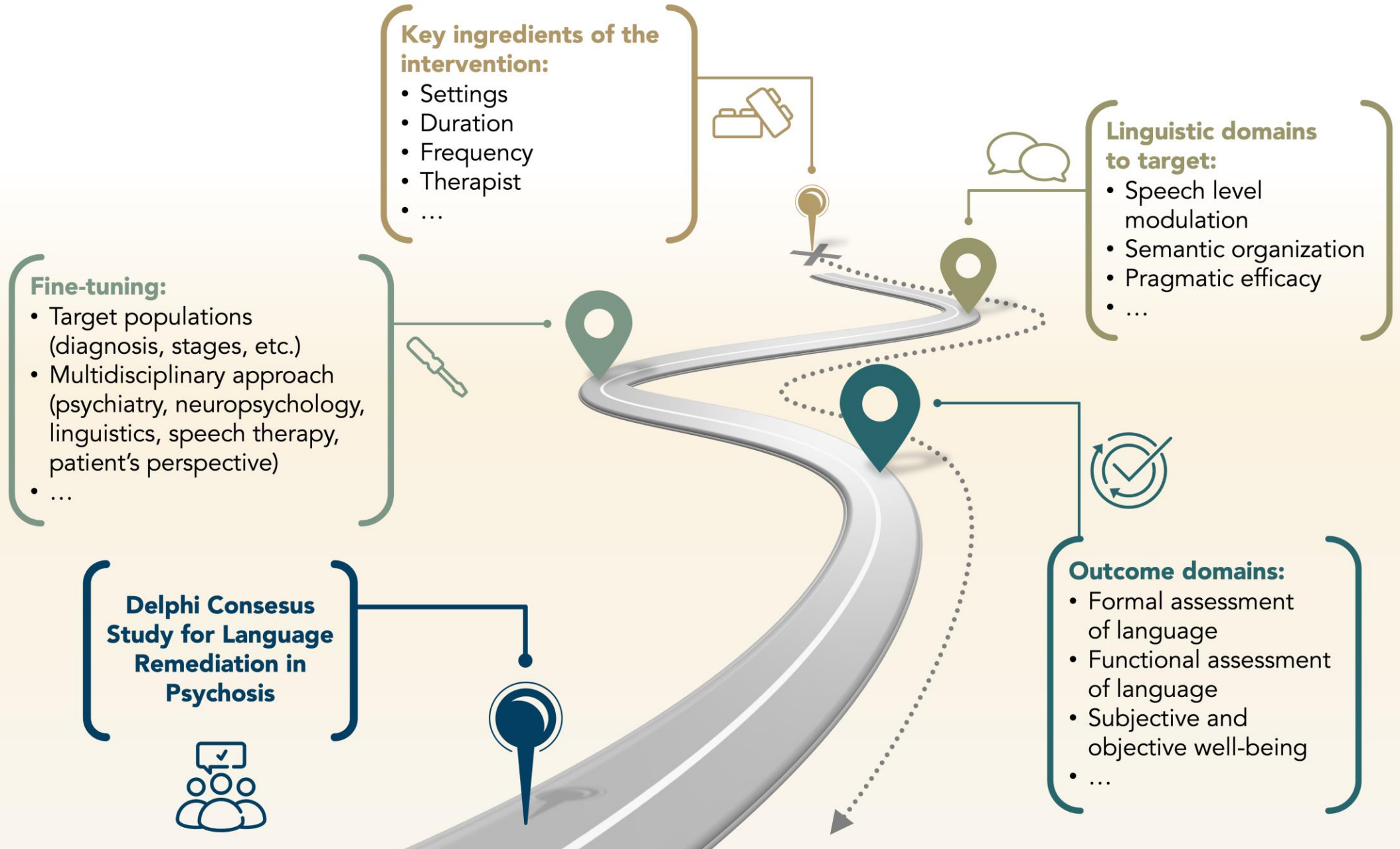- Discourse recommendation which to use??

Discourse Clinical Trials

- Set up multisite network

- Harmonised assessments

- Harmonised training and protocols

- International expertise across multiple methodologies/modalities:
  ◦ Pharmacology
  ◦ Psychosocial approaches
  ◦ Language specific
  ◦ Brain stimulation

Initial Brainstorm

- Members introduction

- Discussion relevant work in the field

- Synergies and barriers

- Resulting in Perspectives Paper – Roadmap to Language Remediation

Roadmap Paper

Key ingredients of the intervention:
- Settings
- Duration
- Frequency
- Therapist
- …

Linguistic domains to target:
- Speech level modulation
- Semantic organization
- Pragmatic efficacy
- …

Fine-tuning:
- Target populations (diagnosis, stages, etc.)
- Multidisciplinary approach (psychiatry, neuropsychology, linguistics, speech therapy, patient's perspective)
- …

Delphi Consesus Study for Language Remediation in Psychosis

Outcome domains:
- Formal assessment of language
- Functional assessment of language
- Subjective and objective well-being
- …

Next Steps

- Delphi study
  - Focus groups
  - Construct questions
    - Perceived barriers
    - Key active ingredients of remediation
    - Assessments of change
    - Transdiagnosis

  - Delphi will assist in determining next direction
  - Possible clinical trial?

Questions?