

Long Term Learning and Memory



Recommended for measurement development

Relational Encoding and Retrieval Item Encoding and Retrieval Reinforcement Learning

Rationale: Strengths

Clear impairments in
schizophrenia

Very clear animal models

Large neuroscience literature

Well worked out human
imaging methods

- Rationale: Limitations
- Recognize that encoding and retrieval separate, but hard to measure independently behaviorally (though can with imaging)
- Item encoding may not be impaired in SCZ, but important comparison condition

Not Recommended for further research

NONE

- Rationale: Strengths
- Rationale: Limitations

More basic cognitive neuroscience research needed

Meta Memory

Response Monitoring (related to other exec abilities)

Reality Monitoring

- Rationale: Strengths
- Clinically Relevant
- Rationale: Limitations
- Need to link to neurobiology more clearly
- Need a more mechanistic understanding

More clinical research needed

Automatic Semantic Priming Reality Monitoring

- Rationale: Strengths
- Highly clinical relevant
- Rationale: Limitations
- Priming - not clear when/why impaired in SCZ
- Reality monitoring - not clear how to separate from other constructs

Special Category

- Strategy Generation and Application
 - Mechanisms and processes not clear
 - Links to neurobiology not clear
 - Animal models hard to develop
- BUT
 - Highly clinically relevant
 - Rich area to exploit in rehabilitation approaches