

Abstract of the Month



December 2017

Hello all.

December we will focus on APRAXIA! What is it? How do we assess/identify it? How do we treat it?

To begin, here is a good summary article. Stay tuned for more details.

Abstract:

Treatments and technologies in the rehabilitation of apraxia and action disorganisation syndrome: A review

BACKGROUND: Apraxia and Action Disorganisation Syndrome are characterised by an inability to use tools and carry out ordered sequences of movements in the absence of motor or sensory impairment. To date treatment for these complex but debilitating conditions has received little attention.

OBJECTIVES: To provide an overview of apraxia and action disorganisation syndrome and its treatment, providing a state of the art summary for practitioners including likely future therapeutic directions.

METHOD: Review of apraxia literature and treatment studies collated from internet searches involving MEDLINE, PubMed, PysCINFO and Google Scholar as well as the author's own catalogue.

RESULTS: Evidence for current restitution and compensatory approaches is critically reviewed, with limited evidence to date in support of either method. Strategy training is the most promising intervention type with no support for sensory and exploratory interventions, practice effects only for direct task-specific training, and modest support for gestural training.

CONCLUSIONS: Larger controlled studies are needed but evidence is sufficient to indicate certain approaches over others. Advances in assistive technology have not translated into mainstream therapy but future interventions are likely to require a model-based approach which embraces current technologies in order to provide a more accessible, effective and cost-efficient approach to rehabilitation.

Full text available: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4942853/>

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