Positron-emission-tomography
(PET) applications in neuroscienceImage: Construction of the second second

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Definition of apraxia

Apraxias are disorders of higher motor cognition, which cannot be (fully) explained by elementary motor deficits (like paresis), by disturbances of communication (e.g. aphasia) or by general cognitive deficits (as in dementia).





Typical clinical neuropsychological **symptoms of apraxia** are disturbed imitation of (abstract and/or symbolic) movements, deficits in the goal-directed use of objects and tools, and impaired dexterity during movement execution.

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Ideo-motor apraxia

Disturbed movement planning ("*How* to do"). Main symptom is the deficient imitation of abstract (> symbolic) movements























Neglect



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