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Constructional Apraxia

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Synonyms

[Constructional dyspraxia](#)

Definition

Constructional (or construction) apraxia results in an inability to manipulate physical stimuli to construct or build a design. Some patients with construction apraxia may have isolated difficulties with construction depending on the task, while others may be unsuccessful in all construction tasks (Lezak et al. [2012](#)). Construction apraxia is one of the most common conditions resulting from a lesion to the parieto-temporo-occipital association cortex in either hemisphere (Benton and Tranel [1993](#)). Indeed, the most common

deficits seen in patients with lesions in the non-dominant hemisphere (usually the right) are those involving construction abilities and visual-spatial analysis (Blumenfeld [2002](#)).

See Also

- ▶ [Apraxia](#)
- ▶ [Visual-Motor Function](#)
- ▶ [Visual-Spatial Ability](#)

References and Readings

- Benton, A. L., & Tranel, D. (1993). Visuo-perceptual, visuospatial, and visuoconstructive disorders. In K. M. Heilman & E. Valenstein (Eds.), *Clinical neuropsychology* (3rd ed.). New York: Oxford University Press.
- Blumenfeld, H. (2002). *Neuroanatomy through clinical cases*. Sunderland: Sinauer Associates.
- Lezak, M. D., Howieson, D. B., Bigler, E. D., & Tranel, D. (2012). *Neuropsychological assessment* (5th ed.). New York: Oxford University Press.