**Interhemispheric transfer of kinesthetic information and line bisection task performance in patient with callosal agenesis.**

Georgian Med News. 2009 Sep;(174):62-5

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Patient G.J., male, 7 yrs, with callosal agenesis, was found perfectly able to cross-replicate hand postures in right-to left and left-to-right directions. Bimanual coordination as well as touch localization and intermanual matching were performed without errors. He failed to name 2 out of 8 objects, palpated with the left hand. At the age of 13 patient performed like normal controls in line bisection task, was successful in intermanual replication of hand postures and intermanual matching while failed to name 8 out of 12 familiar objects palpated with the left hand. G.J.'s case does not support idea about bilateral presentation of language centers and development of compensatory ipsilateral afferents in patients with callosal agenesis. Presence of anterior and interictal commissures in G.J. did not contribute to the exchange of information between sensory areas of the right hemisphere and language centers of the left half brain. However, normal intermanual matching and replication of hand postures, as well as high level of line bisection task performance suggests, that anterior and/or intertectal commissure could contribute to the functional integration of sensory areas of the two hemispheres.

PMID: 19801735 [PubMed - indexed for MEDLINE]