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Nota di contenuto	EXPLORING BRAIN FUNCTIONAL ANATOMY WITH POSITRON TOMOGRAPHY; Contents; Introduction; Basic aspects of functional brain metabolism; Rapid measurement of cerebral blood flow with positron emission tomography; General discussion; Oxidative metabolism in brain; Optimization of signal in positron emission tomography scans: present and future developments; The neurotransmitter basis of cognition: psychopharmacological activation studies; Relating structure to function in vivo with tomographic imaging; Positron emission tomography studies of the somatosensory system in man Does inter-subject variability in cortical functional organization increase with neural 'distance' from the periphery?A thought experiment with positron emission tomography; Selective attention modulates extrastriate visual regions in humans during visual feature

discrimination and recognition; Positron emission tomography studies of frontal lobe function: relevance to psychiatric disease; Memory mechanisms in the processing of words and word-like symbols; Language activation studies with positron emission tomography; The functional anatomy of recovery from brain injury  
Testing cerebral function: will it help the understanding or diagnosis of central nervous system disease? Final general discussion; Summing-up; Index of contributors; Subject index

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Sommario/riassunto

Details the application of positron emission tomography (PET) to the mapping of human cerebral cortical function. Coverage includes all aspects of PET technology. Includes chapters on somatosensory, motor and visual systems, and higher-order processes such as attention, memory, learning, intention and language. The clinical usefulness of PET is discussed in relation to psychiatric illness and to functional recovery after brain injury.

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