ELSC-ICNC Seminar: Nachum Soroker

May 10, 2012

On the topic of: Conscious perception following unilateral and bilateral parietal damage

ELSC & ICNC cordially invite you

to the lecture given by:

Nachum Soroker
Loewenstein Hospital and Faculty of Medicine Tel Aviv University.

On the topic of:

"Conscious perception following unilateral and bilateral parietal damage"

The lecture will be held on Thursday, May 10, 2012
at 17:00, at ELSC-ICNC: Silverman Bldg., 3rd Wing, 6th Floor, Edmond J. Safra Campus

Light refreshments at 16:45

Abstract:

Patients with damage in the right posterior parietal cortex (PPC) exhibit a symptom complex where contra lateral objects and events fail to induce an appropriate behavioral reaction. The most puzzling aspect of this condition is termed unilateral spatial neglect (USN) to denote the failure of salient left-sided stimuli to attract attention and generate conscious perception. This phenomenon, which is often multi-modal, may happen in cases where the sensory pathways and the primary cortical areas are completely intact. Following a short description of USN symptomatology I will present data gathered in a series of studies done in our hospital, which aimed to clarify the nature of processing received by stimuli on the neglected side. I will show how this processing can be manipulated so that its output reaches conscious awareness. Finally, the effect of unilateral PPC damage on perception, as manifested in USN, will be discussed by comparison to the effect of bilateral PPC damage, as revealed in a recent patient we have treated for simultanagnosia.
It is now widely accepted that deciphering the enigma of the brain is the most challenging intellectual endeavor of the 21st century, "The Century of the Brain" - Join our quest and become a friend of ELSC.

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