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## Oculomotricity and Neurological Soft Signs: Can we refine the endophenotype? A study in subjects belonging to the spectrum of schizophrenia

Simona Caldani<sup>a,b</sup>, Isabelle Amado<sup>a,c</sup>, Narjes Bendjema<sup>a</sup>, François Vialatte<sup>d</sup>, Célia Mam-Lam-Fook<sup>a,c</sup>, Raphael Gaillard<sup>a,c</sup>, Marie-Odile Krebs<sup>a,c\*</sup>, Maria Pia Bucci<sup>b</sup>

<sup>a</sup>Université Paris Descartes, Sorbonne Paris Cité, INSERM, Centre de Psychiatrie et Neurosciences, UMR S 894, Physiopathologie des Maladies Psychiatriques, CNRS, GDR3557-Institut de Psychiatrie, Paris, France;

<sup>b</sup>UMR 1141 Inserm – Université Paris Diderot, Hôpital Robert Debré, 75019 Paris, France

<sup>c</sup>Faculté de Médecine Paris Descartes, Centre Hospitalier Sainte-Anne, Service Hospitalo-Universitaire, Paris, France;

<sup>d</sup>UMR 8249 CNRS Laboratoire Plasticité du Cerveau, Paris 75005, France

\*Correspondence: Service Hospitalo-Universitaire de santé mentale et thérapeutique, Inserm U894, Hôpital Sainte-Anne, Paris, France . Tel. : + 33 1 45 65 81 79, fax : 01 45 65 81 60 . mo.krebs@ch-sainte-anne.fr

### Abstract

Alterations in eye tracking and motor impairments as well as neurological soft signs(NSS) are frequently reported in patients with schizophrenia as well as in their relatives, and are proposed as endophenotype of the disease. This study investigated smooth pursuit eye movement and fixation task with distractors with a gap condition, two markers of inhibitory control mechanism, in 49 patients with schizophrenia, 24 ultra-high risk subjects, 41 full biological clinical siblings of patients and 48 controls. NSS were assessed as a marker of abnormal neurodevelopment. The results revealed more intrusive saccades respectively in smooth pursuit eye movement and in fixation task with distractors with a gap condition in patients, respect to controls and full siblings. Ultra high-risk participants

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