Technology: Methods and kits for assessing central nervous system integrity

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Inventor: Uzma Samadani
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The VA has a joint ownership interest with New York University

Contact christopher.drabik@va.gov

Abstract: The invention provides methods and kits for detecting, screening, quantifying or localizing the etiology for reduced or impaired cranial nerve function or conduction or associated cranial nucleus or supranuclear input, useful for detecting, diagnosing or screening for increased intracranial pressure, or useful for detecting, diagnosing, monitoring progression of or screening for a disease or condition featuring increased intracranial pressure by tracking eye movement of the subject. The methods may be performed by a) analyzing eye movement of the subject; b) comparing eye movement of the subject to eye movement of a control or the subject's own baseline eye movement; and c) identifying the subject as having eye movement significantly different from the control or the subject's own baseline eye movement.