

TEST PATIENT**Dr. TEST DOCTOR**

Date of Birth : 01-Jan-1962
 Sex : F
 Collected : 14/Jun/2018
 Received: 14-Jun-2018

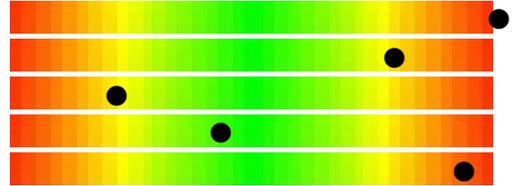
TEST HEALTH CENTRE
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Lab id : **3544312** UR#:

INTEGRATIVE MEDICINE**BLOOD - SERUM**

	Result	Range	Units
Anti-Dopamine Receptor D1	8000 *H	500 - 2000	Titre
Anti-Dopamine Receptor D2L	8000	2000 - 8000	Titre
Anti-Lysoganglioside GM1	80.0	80.0 - 320	Titre
Anti-Tubulin	500	250 - 1000	Titre
CaM Kinase II	145 *H	53.0 - 130	%

**Integrative Medicine Comments**

PANDAS is an acronym for "Paediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcal infection." Childhood Acute Neuropsychiatric Symptoms (CANS) and Paediatric Acute-onset Neuropsychiatric Syndrome (PANS) are proposed as a new, broader classification that would expand both the etiological infectious agents and the clinical manifestations, to the current description of PANDAS.

PANDAS and PANS are clinical diagnoses based upon defined clinical characteristics. The results from the Cunningham Panel are provided as an aid to the physician in their diagnosis of PANDAS or PANS. There may be additional risk and diagnostic factors not measured by this test.

The Cunningham Panel measures serum Immunoglobulin G (IgG) levels directed against: Dopamine D1 Receptor (DRD1), Dopamine D2L Receptor (DRD2L), Lysoganglioside-GM1 (LYSO-GM1) and Tubulin (TUB).

The fifth assay of this panel measures the specific activity of calcium/calmodulin-dependent protein kinase II (CaM KII), an enzyme present in neuronal cells and is part of the activation pathway for the production of dopamine.

The patient's antibody titers are referenced to "normal ranges", obtained from normal children without infection. It should be noted that "normal ranges" for adults may differ from normal ranges in children.

Interpretation:

If any one (1) or more of these five (5) assay values is elevated, it may indicate a clinically significant autoimmune neurological condition. This is a condition in which the patient's autoantibodies cross-react and are directed against selected neuronal targets which are involved in normal neuropsychiatric and/or motor functions. It is important to note that the degree of elevation in assay values may not necessarily correlate with degree of sympt

Tests ordered: CunnPr

(*) Result outside normal reference range

(H) Result is above upper limit of reference rang

