

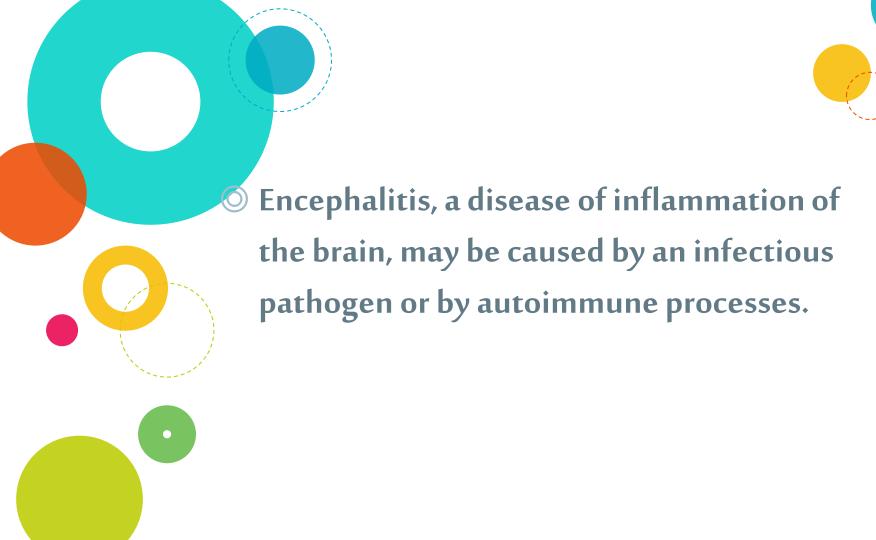




susannah cahalan : news reporter on New York Post



Syrian-American neurologist Souhel Najjar

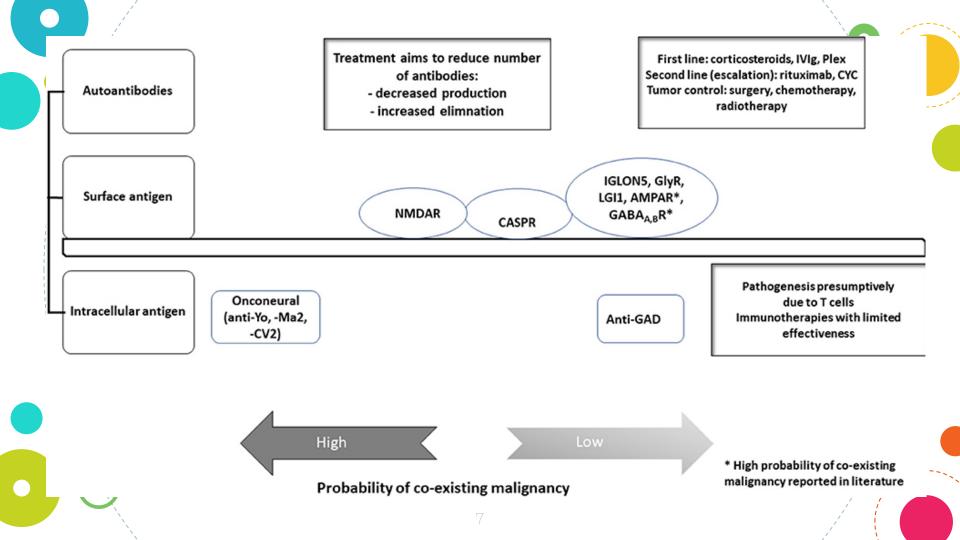




Autoimmune Encephalitis:

- ParaneoplasticEncephalitis
- Non-Paraneoplastic Encephalitis
- Vasculitis and Vasculitis associated Encephalitis

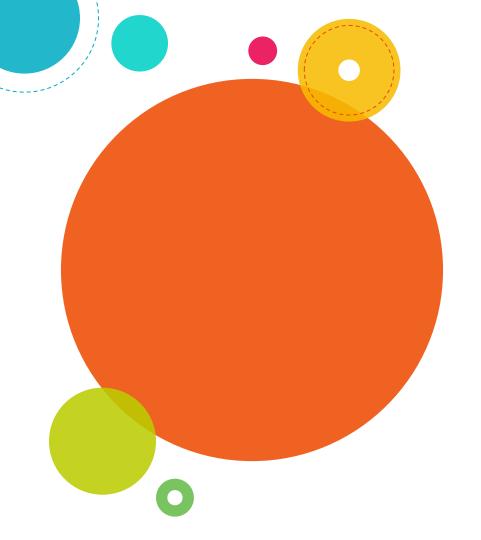




Box 1. Diagnostic criteria for possible autoimmune encephalitis⁶

Diagnosis can be made when all three of the following criteria have been met.

- Subacute onset (rapid progression of less than 3 months) of working memory deficits (short-term memory loss), altered mental status or psychiatric symptoms.
- At least one of the following:
 - new focal CNS findings
 - seizures not explained by a previously known seizure disorder
 - CSF pleocytosis
 - > MRI features suggestive of encephalitis.
- Reasonable exclusion of alternative causes (eg HSV encephalitis).



Paraneoplastic:

- O Limbic
- O Diencephalon
- O Brain Stem
- © Encephalomyelitis

Non-Paraneoplastic AE

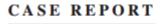
- Anti-NMDA Receptor Encephalitis
- Anti-GABA-B Receptor Encephalitis
- Anti-AMPA Receptor Encephalitis
- Anti-LGI1 Limbic Encephalitis
- Anti-CASPR2 Associated Encephalitis
- Anti-GABA-A Receptor Encephalitis
- Anti-DPPX Encephalitis
- Encephalitis with Antibodies to IgLON5
- Stiff-Person Spectrum Disorder and Antibodies to Glycine Receptors

Vasculitis asso. encephalopathy

- Primary CNS vasculitis
- Secondary CNS vasculitis
 - SLE
 - · Sjogren's
 - APLA syn
 - · Behcet's
 - · other PAN, WG, CSS
- Uncertain etiology but responsive to immunotherapy
 - Neurosarcoidosis
 - Hypereosinophilic syndromes

Table 1. Key features of syndromes associated with neuronal surface antibodies

	Antibody	Demographics		Key distinguishing features	Tumour associations
		Age predominance	F:M ratio		
7777777	NMDAR	Children and adults < 40 years	4:1	Psychiatric features followed by movement disorder (classically orofacial dyskinesia), seizures, encephalopathy and autonomic dysfunction	About 50% of female patients have ovarian teratoma; other tumour associations have been described
	LGI1	Older adults	1:2	Faciobrachial dystonic seizures, amnesia, hyponatraemia	<10%: breast, lymphoma, thymoma, thyroid
	CASPR2	Older adults	1:9	Sleep disorders (insomnia, sleep-wake cycle disturbance), peripheral nerve hyperexcitability, ataxia	<5%: various tumours
	GABA _A R	Children or adults	1:1	Seizures	30%: thymoma
	GABA _B R	Older adults	1:1.5	Seizures, amnesia	50%: SCLC
	AMPAR	Older adults	2:1	Amnesia	65%: breast, SCLC, thymoma
	DPPX	Adults	1:2	Severe diarrhoea and weight loss, myoclonus, hyperekplexia	<10%: lymphoma



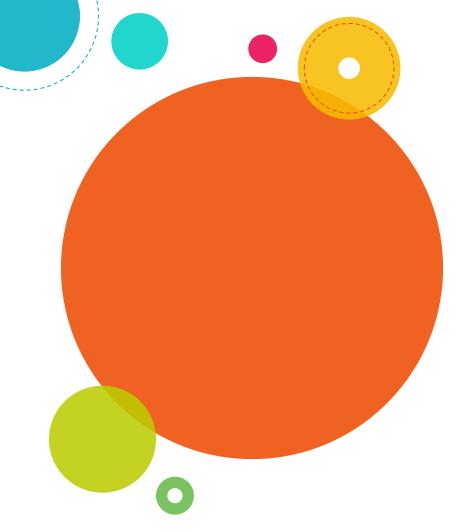


Anti N-Methyl-D-Aspartate (NMDA) receptor encephalitis: from psychosis to cognitive impairment

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111 adult patients noted that 65 (59%) initially presented with psychiatric symptoms:

including visual or auditory hallucinations in 26 (40%), acute schizoaffective episodes in 15 (23%), depression in 15 (23%), mania in 5 (8%) and addictive or eating disorders in 4 (6%).

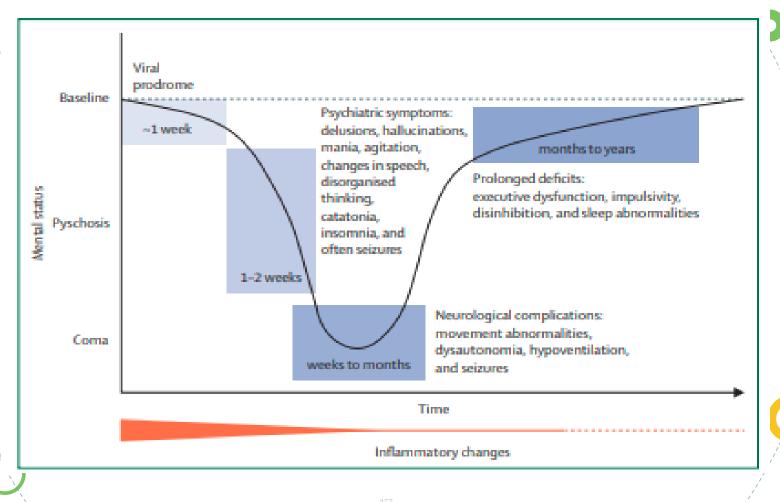




NMDR antibody

- Sleep disorders
- © Excitement
- Seizure
- Movement d
- Rapid onset
- Agitation
- Speech /mutism
- O Children

- Memory
- O Negative /positive
- Fluctuation catatonia
- O



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Anti-NMDA receptor encephalitis in a psychiatric Covid-19 patient: A case report

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