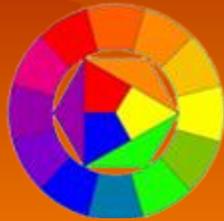


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ENCEPH UK

Understanding and Improving the
Outcome of Encephalitis



Prospective suspected
encephalitis
recruitment: Adults
and Paediatric

Welcome to the Autumn ENCEPH- UK/ UK-ChiMES Newsletter

It's almost been 12 months since we've started recruiting! We now have 45 sites in total recruiting both adults and children who have features consistent with suspected encephalitis.

As you can see in the thermometer, we've recruited 324 towards our total of 960. Of these 123 are adults and 201 are children.*

See page 3 to see how your site is doing!

Save the Date!

**EUROPEAN
ANTIBIOTIC
AWARENESS DAY**



18th November 2013

ECDC
www.ecdc.europa.eu

Encephalitis society Professional
Seminar

The Encephalitis Society

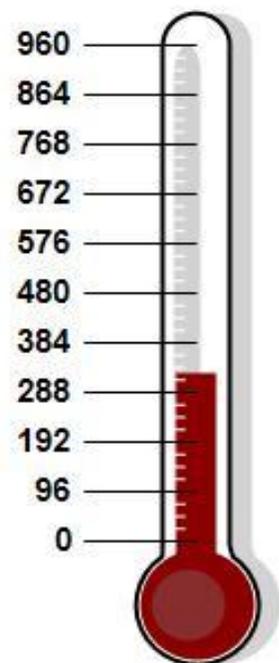
Support, Awareness & Research for Inflammation of the Brain



2nd December 2013

<http://www.encephalitis.info/research/conferences-and-events/>

ENCEPH UK



324

* as of 26/10/2013

What does it involve?

Neuropsychology involves the assessment of a range of cognitive and psychological processes, such as memory, communication and problem-solving. There are different methods available for identifying areas of neuropsychological impairment, but generally these methods are centred on comparing patient performance against the range of performance observed in age- and education- matched controls.

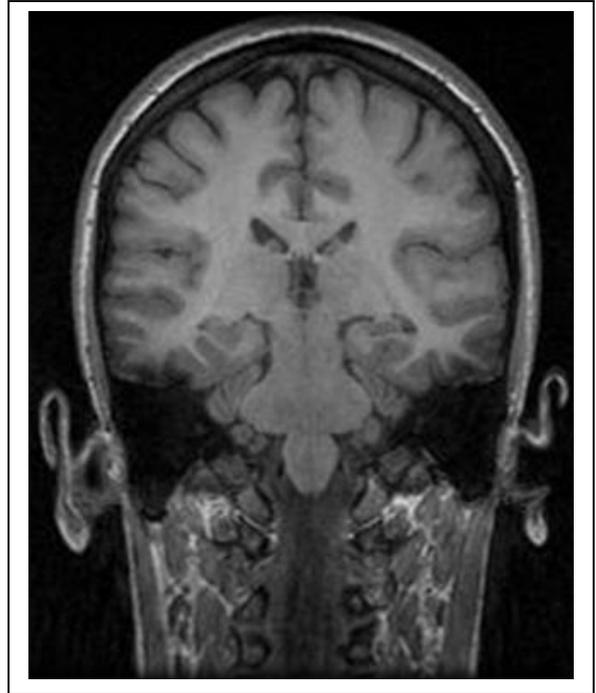
Understanding different neuropsychological impairments and the assessments available is important in order to tease apart impairments and give accurate diagnoses. A better understanding of the types of cognitive and psychological difficulties people are likely to present with after diagnosis is also crucial in planning management of these problems and rehabilitation.

Neuropsychological research is key, because publishing data on the types of difficulty associated with specific diagnoses can inform practice and improve patient experience in turn. Importantly, through exploring correlations between neuropsychological difficulties and impaired lesion site, the study of neuropsychological patients has also contributed significantly to our understanding of the brain.



Neuropsychology

Lara Harris and Alison Gummery



The ENCEPH-UK neuropsychology sub-study

The ENCEPH-UK neuropsychology sub-study aims to understand the types of neuropsychological impairment associated with different types of encephalitis. There is good evidence to suggest that HSV encephalitis produces medial temporal lobe damage with associated difficulties in episodic memory (i.e. memory for past experiences).

However, preliminary data has suggested that neuropsychological profiles after non-HSV encephalitis can have impact across a much wider range of abilities (e.g. working memory, executive function, general memory, IQ and naming).

Our aims

To better characterise neuropsychological impairments after different types of non-HSV encephalitis, the study will explore the pattern of neuropsychological deficits in people with these specific, rarer diagnoses, such as VZV and ADEM.

Our participants frequently report that very few people know about encephalitis and non-HSV encephalitis in particular. We hope that publishing data on the neuropsychological impact of encephalitis generally, and how impairment might manifest across these different forms, will improve understanding about these conditions, both for clinical staff and the general public.

Site Recruitment

Hospital	Date Opened to recruitment	Number of months opened	Total recruited	Recruit / Month
Royal Liverpool	18/10/2012	12	28	2.33
Milton Keynes	12/06/2013	5	10	2.00
Walton	19/12/2012	10	10	1.00
North Manchester General	01/02/2013	8	7	0.88
Bradford teaching	03/01/2013	10	8	0.80
Leeds	19/12/2012	10	8	0.80
Birmingham heartlands	10/06/2013	4	3	0.75
Aintree	15/11/2012	11	8	0.73
Manchester Royal	29/07/2013	3	2	0.67
South Tees	11/07/2013	3	2	0.67
Royal Preston	04/02/2013	8	5	0.63
Southampton	28/02/2013	8	5	0.63
Calderdale & Huddersfield	05/06/2013	5	3	0.60
Mid Yorkshire	22/03/2013	7	5	0.71
Morecambe Bay	19/12/2012	10	5	0.50
Guys & St Thomas	15/02/2013	8	3	0.38
Royal Free	08/02/2013	8	3	0.38
Salford Royal	30/01/2013	9	3	0.33
North Cumbria	15/02/2013	8	2	0.25
York	24/04/2013	6	2	0.33
Chelsea & Westminster	08/03/2013	7	1	0.14
Arrowpark	19/02/2013	8	1	0.13
Hull & East Yorkshire	08/01/2013	9	1	0.11
St Mary's	30/10/2013	<1	0	0
North Bristol	21/10/2013	<1	0	0

Look out for the UK-ChiMES newsletter to see how the paediatric sites are doing!
20 sites are open, recruiting children with suspected meningitis& suspected encephalitis!

Useful Websites

Have you checked out the e-learning modules at www.braininfectionsuk.org
And when you need another one of those outcome scores etc go to www.encephuk.org
www.encephallitis.info



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Publications



Central nervous system neuronal surface antibody associated syndromes: review of guidelines for recognition.

Zuliani L, Graus F, Giometto B, Bien C, Vincent A. *J Neurol Neurosurg Psychiatry* 2012; 83: 638-645

Lumbar puncture in acute central nervous system infections.

Matata C, Michael BD, Garner V, Solomon T. *Royal College of Nursing Standard*. 2012; 27(8); 49-56

Seizures and Encephalitis: Clinical features, management and potential pathophysiological mechanisms.

Michael BD, Solomon T. *Epilepsia* 2012; 53: S4:63-71

Neurological manifestations of influenza infection in adults and children: results of a national british surveillance study.

Goenka A, Michael B, Ledger E, Hart I, Absoud M, Chow G, Lilleker J, Lim M, Lunn M, Peake D, Pysden K, Roberts M, Carrol E, Avula S, Solomon T, Kneen R. *Abstract J Neurol Neurosurg Psychiatry*. 2013 Nov;84(11):e2.