



Recruitment to 31 Jul '13

3898

Australia	8
Canada	33
Cape Breton	1
Halifax (NC)	32
China	103
Denmark	17
Herlev Hospital	2
Hillerød Hospital	1
Uni of Copenhagen (NC)	14
Egypt	133
Ain Shams Uni (NC)	9
Al Zahraa Hospital	31
Assuit Univ Hospital	84
Menoufiya Uni	9
Georgia	178
Barnovi City Hospital	7
Hospital War Veterans (NC)	30
Municipal Hospital	141
Greece	12
Larissa Univ Hospital (NC)	12
Hong Kong	4
India	157
AIIMS (NC)	31
Christian Med Coll, Ludhiana	68
JIPMER	20
Lilavati, LKMM	17
Shree Krishna	7
SMS Medical College	12
Italy	33
Hospital Maggiore Policlinico	5
University of L'Aquila	9
University Perugia (NC)	19
Malaysia	14
University Sains Mly (NC)	8
Sarawak, Kuching	6
New Zealand	70
Auckland	1
Dunedin	63
Hawkes Bay (NC)	3
Hutt Hospital	3
Norway	4
Aalesund Sjukhus	3
Oslo University Hospital	1
Philippines	16
Poland	123
Hospital Sandomierz	6
Inst Psyc & Neur (NC)	108
Military Med Acad	9
Republic of Ireland	10
Dublin, Tallaght (NC)	10
Romania	214
Fogolyan Kristof Sftu	48
Mures County (NC)	114
Spitalul Clinic, Oradea	52
Singapore	155
Spain	8
Sri Lanka	103
South Colombo	38
Uni of Kelaniya (NC)	65
Sweden	12
Danderyd Hospital (NC)	9
Hassleholm Hospital	1
KSS Hospital, Skovde	1
SUS/Malmö Hospital	1
Turkey	14
Ankara Numune Edn Res Hosp	3
Ankara University	1
Gazi University	2
Istanbul University	5
Selcuk University (NC)	3

Newsletter for the Efficacy in Nitric Oxide Stroke Trial

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INTERACT Trial Results

As you may know, the results of the large (2839 patients, 68% from China) INTERACT-2 trial of blood management (intensive versus guideline lowering) in hyperacute (<6 hours) intracerebral haemorrhage (ICH) was presented at the European Stroke Conference, and then published in the New England Journal of Medicine. The trial was neutral on its primary outcome (mRS>2) but with a strong trend to benefit with intensive BP lowering. Important secondary outcomes were either positive (shift analysis of mRS, Euro-QoL quality of life) or neutral with strong trends.

At present there are two ongoing trials assessing patients with hyperacute (ATACH-2 in USA) or acute (ENOS) ICH. We have considered what effect, if any, the INTERACT-2 results should have on ENOS recruitment of ICH patients. Since the trial was technically neutral ($p=0.06$), it will not fulfil the requirements for Level A/Class 1 evidence; hence, it can be argued that further data are required.

Nevertheless, the results qualitatively fit in with many peoples' expectations and hope for the role of intensive BP lowering in ICH! The results, and a debate on them, can be found at:

http://www.medscape.com/viewarticle/804916?nlid=31583_326&src=wnl_edit_me_dn_neur&uac=73919PG&spon=26

The planned 'Blood pressure in Acute Stroke Collaboration' (BASC) individual patient data meta-analysis of BP management in ICH will include data from INTERACT-2, and ICH patient data from CHHIPS, ENOS, IMAGES and SCAST etc. Hopefully, this much larger dataset will provide absolute clarity to the question of BP management in acute ICH.

The ENOS Data Monitoring Committee have reviewed the INTERACT-2 results in the context of ENOS and agree with the plan to continue recruitment of ICH patients into ENOS (see latest DMC letter on the documents website). Nevertheless, these seem powerful reasons to continue recruitment of ICH patients, including <6 hours of onset, into the remaining time that ENOS will run for.

So, please keep recruiting into ENOS, and include patients with ICH, including those presenting very early, and let's get the whole trial to 4000 patients!

ENOS now has 170 recruiting centres in 23 countries and the aim is to recruit at least 4,000 patients. Recruitment is ongoing to end of October, so please keep going.



UK	2477
Aberdeen	119
Airedale NHS Trust	5
Antrim Area Hospital, NI	12
Arrowe Park, Wirral	7
Barnsley	69
Blackpool Victoria	50
Bradford Royal Infirmary	8
Bucks Healthcare Trust	14
Charing Cross, London	23
Chesterfield Royal	38
City Hospitals, Sunderland	6
Darlington/Bishop Auckland	113
Derby Hospitals	66
Diana Princess, Grimsby	9
Doncaster	45
East Surrey Hospital	14
Edinburgh Royal	7
Edinburgh Western	19
Fairfield General, Bury	19
Glasgow Royal Infirmary	32
Harrogate District	14
James Cook, Middlesbrough	48
John Radcliffe, Oxford	23
Kings College London	8
Leeds General Infirmary	19
Leicester Royal Infirmary	24
Lincoln County	170
Lister Hospital	7
Macclesfield DGH	36
Monklands Glasgow	33
Musgrove Park, Taunton	24
New Cross Wolverhampton	25
New Queen Eliz, Birmingham	28
Newham General	29
Ninewells, Dundee	10
Norfolk & Norwich Uni Hosp	5
North Tees and Hartlepool	21
Northampton General	7
Northwick Park, London	110
Nottingham City	284
Pilgrim Boston	90
Pinderfields General Hospital	13
Portsmouth Hospitals	8
Princess Alexandra, Harlow	11
Queen Eliz Hosp, Gateshead	22
Queens Medical Centre, Nottm	23
Rochdale Infirmary	6
Rotherham General Hospital	7
Royal Blackburn Hospitals	7
Royal Devon & Exeter	25
Royal Lancaster Infirmary	9
Royal Liverpool University	9
Royal Preston	13
Royal Victoria Inf, Newcastle	43
Salford Royal	17
Scarborough General Hospital	13
Sherwood Forest Hospitals	14
Shrewsbury & Telford	8
Solihull Hospital	6
South London Healthcare NHS	22
St Richards, Chichester	25
Stockport Stepping Hill	23
Stobhill Hospital, Glasgow	5
The Royal Bournemouth	9
The Royal Inf, Stoke-on-Trent	75
The Royal London Hospital	13
Torbay District General Hospital	49
University College London Hosp	7
University Hospital, Coventry	5
University Hospital, Aintree	15
University Hospital, Coventry	5
University Hospitals, Bristol	7
Victoria Hosp Kirkcaldy Fife	57
Wansbeck and N Tyneside	16
Watford General Hospital	45
Western Infirmary, Glasgow	23
Whiston Hospital, Merseyside	8
Worthing Hospital	13
Yeovil District Hospital	11
York Hospital	18

(Recruited at least 5 patients).

Congratulations to....



- Malmo University, Sweden, KSS Hospital, Sweden and Oslo University, Ulleval, Norway for recruiting their first patients.
- Ankara Numune Education and Research Hospital, Turkey for recruiting the fastest ENOS patient in May in 3.29 hours and to Lincoln County Hospital, UK for recruiting four patients in 4 weeks in May. Both centres have been sent a chocolate hamper.
- Nottingham City Hospital, UK for recruiting the fastest ENOS patient in June in 2.8 hours and to Municipal Hospital, Tbilisi Georgia for recruiting the most patients (5) in June. Both centres have been sent a hamper.
- Istanbul University, Turkey for recruiting patient number 3800. A bonus payment of £300 for use to attend the European Stroke Congress, Nice in May 2014 will be made.
- Congratulations to Lincoln County Hospital, UK, Municipal Hospital, Georgia and Mures County Hospital, Romania for recruiting at least 5 patients in July (6, 10 and 7 patients respectively!). A bonus payment of £250 will be included in their next centre payment.
- RECRUITMENT COMPETITION: The centre that recruits five ENOS patients in August 2013 will receive £250 towards attending the ESC and ENOS results meeting in May 2014.
- Hampers and prizes for early recruitment and the most and earliest patients recruited every month are ongoing.

Congrats to Prof Ince and team in Turkey for recruiting ENOS patient 3800!

Sitting L to R: Prof MD Birsen Ince (Head of the team), Ass Prof MD Derya Uludüz. Standing from left to right: Şükriye Menkü (2nd year assistant-MD), Serap Kıvanç (stroke clinical secretary), Lokman Salbacak (outpatient clinical registration officer), Nilay Şimşek (stroke clinical nurse specialist)



ENOS Recruitment

Please continue to recruit to ENOS! We have approval for an extended end date to January 2014, so recruitment can carry on into October 2013 and Follow Ups will be complete by end of January. Recruitment will continue until we have at least 4000 patients with a primary outcome. The MREC approval letter/minor amendment for the extended date is on the website.

Tin of the month

A change has now been made on the ENOS baseline form to question D13. Previous wording was "Have you just given, or do you intend to give, tissue plasminogen activator (rt-PA) (alteplase) to this patient?". This now reads "Have you or do you intend to perform thrombolysis/thrombectomy on this patient?"

Please tick 'yes' for this question if a patient has intra-arterial reperfusion therapy (such as thrombectomy), whether or not they also have thrombolysis.

Recently uploaded documents

ENOS contacts, v2.4, 26 June 2013

Baseline form v3.5, 26 July 2013

MREC acknowledgement of minor amendment, 29 July 2013

Insurance renewal letters, 1 August 2014 onwards

DMC letter, 6 June 2013