

## Hospitals with LREC approval

Airedale General Hospital \*  
 Arrowse Park Hospital, Wirral \*  
 Barnet and Chase Farm Hospitals NHS Trust  
 Bedford Hospital \*  
 Bishop Auckland Hospital  
 Blackpool Victoria NHS Trust \*  
 Bristol Royal Infirmary  
 Castle Hill Hospital, Cottingham \*  
 Cheltenham General Hospital \*  
 Chesterfield & North Derbyshire Royal Hospital  
 Chorley & District General Hospital  
 City Hospital, Birmingham  
 Countess of Chester Hospital  
 Crosshouse Hospital, Kilmarnock  
 Diana Princess of Wales Hospital, Grimsby  
 East Surrey Hospital  
 Friarage Hospital, Northallerton  
 George Eliot Hospital, Nuneaton  
 Glan Clwyd District General Hospital \*  
 Glenfield Cardiothoracic Unit, Leicester  
 Glenfield ICU, Leicester \*  
 Glenfield Transport Team \*  
 Gloucestershire Royal Hospital \*  
 Great Western Hospital, Swindon  
 Hartlepool General Hospital \*  
 Hereford County Hospital  
 Hillingdon Hospital  
 Huddersfield Royal Infirmary  
 Hull Royal Infirmary  
 Ipswich Hospital  
 Kettering General Hospital \*  
 Leicester General Hospital \*  
 Leicester Royal Infirmary \*  
 Leighton Hospital, Crewe \*  
 Luton & Dunstable Hospital \*  
 Macclesfield District General Hospital  
 Manchester Royal Infirmary \*  
 Milton Keynes General Hospital  
 New Cross Hospital, Wolverhampton  
 Ninewells Hospital and Medical School \*

North Devon District Hospital, Barnstaple  
 Northern General, Sheffield \*  
 North Manchester General Hospital \*  
 North Staffordshire NHS Trust \*  
 Nottingham City Hospital \*  
 Pilgrim Hospital, Boston \*  
 Prince Philip Hospital, Llanelli \*  
 Princess Elizabeth Hospital, Guernsey  
 Queen Elizabeth Hospital, Gateshead \*  
 Queen Elizabeth Hospital, King's Lynn  
 Rotherham District General Hospital \*  
 Royal Bolton Hospital \*  
 Royal Gwent Hospital  
 Royal Hallamshire Hospital, Sheffield \*  
 Royal Liverpool University Hospitals \*  
 Royal London Hospital \*  
 Royal Preston Hospital \*  
 Royal Shrewsbury Hospitals NHS Trust  
 St Mary's Hospital, Isle of Wight \*  
 Salisbury District Hospital  
 Sandwell General Hospital  
 Scunthorpe General Hospital \*  
 Southend Hospital \*  
 Southern Derbyshire NHS Trust \*  
 Southern General Hospital, Glasgow  
 Southmead Hospital, Bristol  
 Southport & Ormskirk Hospital NHS Trust  
 South Tees Acute NHS Trust  
 Stepping Hill Hospital, Stockport  
 University Hospital Aintree, Liverpool  
 University Hospital of Wales, Cardiff \*  
 Walsgrave Hospital, Coventry  
 Warrington Hospital  
 Warwick Hospital \*  
 West Suffolk Hospital, Bury St Edmunds \*  
 Whipps Cross Hospital, London  
 Worcester Royal Infirmary \*  
 Wrexham Maelor Hospital \*  
 Wycombe General Hospital \*  
 Ysbyty Gwynedd District General Hospital

\* indicates a hospital that has recruited to the trial

### Contacting the CESAR team:

**Koro Diallo** tel: 020 7927 2376 fax: 020 7637 2853  
 email: [Korotimi.Diallo@lshtm.ac.uk](mailto:Korotimi.Diallo@lshtm.ac.uk)

**Ravin Tiruvoipati** email: [Ravindranath.tiruvoipati@uhl-tr.nhs.uk](mailto:Ravindranath.tiruvoipati@uhl-tr.nhs.uk) pager: 07699 711114

**CAT** tel: 0116 287 1471 and ask for CESAR trial clinical advisory team

The CESAR Trial is funded by NHS R&D HTA programme and costs of treatment are provided by the National Specialist Commissioning Advisory Group  
[www.cesar-trial.org](http://www.cesar-trial.org)



C  
E  
S  
A  
R



### Newsletter

CESAR  
 Medical Statistics Unit  
 London School of Hygiene  
 and Tropical Medicine  
 Keppel Street, London  
 WC1E 7HT

Tel. 020 7927 2376/2075  
 Fax: 020 7637 2853  
[www.cesar-trial.org](http://www.cesar-trial.org)  
 ISRCTN47279827

## Conventional Ventilation or ECMO for Severe Adult Respiratory Failure

No. 5, March 2004

### Recruitment extended!

We have good news from the NHS HTA programme who will extend our funding until December 2006. This means that we will continue recruiting until November 2005. We need to recruit 5 patients per month to reach our target.

### Collaborators' meeting

Please put this event in your diary:

DATE: **Wednesday 6th October 2004**

VENUE: **Royal United Services Institute (RUSI), LONDON**

Booking forms will be sent later to local collaborators and named nurses at each online centre. Collaborators from interested centres making progress with LREC applications will also be invited. CME approval applied for.

### NICE guidelines on ECMO published

The National Institute for Clinical Excellence (NICE) published guidelines on the use of ECMO in January 2004. They have recommended that adult ECMO should only be used within the context of research studies. NICE strongly advise that anyone who has an eligible patient and is considering ECMO should enter them in CESAR as this is the only way to fully evaluate this treatment. Full details are available from the NICE website ([www.nice.org.uk](http://www.nice.org.uk)).

### Mugs and stickers

Have you got CESAR mugs, 4-colour pens and ventilator stickers on your unit? If not, maybe you are not online yet. As soon as you have got LREC approval we will send you a pack with your trial folder. If you would like more supplies contact Koro. Look out for more promotions in 2004! Please tell us your ideas of what would help you to remember CESAR.

#### Patient Inclusion Criteria

- Adult patients (18-65 years)
- Severe, but potentially reversible, respiratory failure
- Murray score <sup>3</sup> 3.0, or uncompensated hypercapnoea with a pH <7.20

#### Patient Exclusion Criteria

- Duration of high pressure and/or high FiO<sub>2</sub> ventilation >7 days
- Intra-cranial bleeding
- Any other contra-indication to limited heparinisation
- Patients who are moribund and have any contra-indication to continuation of active treatment



## CESAR recruitment and enquiries

Enquiries from hospitals continue to rise steadily and up to the end of February 2004 there were 357 enquiries from 101 hospitals. Of these, 82 patients have been recruited. There is now more capacity on the ECMO Unit at Glenfield and recently fewer eligible patients have been excluded from the trial because of a lack of beds.

Please think CESAR when a patient has been on high pressure and/or high FiO<sub>2</sub> ventilation for 2 or 3 days. Too many patients have had to be excluded as they have been on such ventilation for over 7 days. If you think that a patient may be eligible, please telephone the Clinical Advisory Team (CAT) at Glenfield Hospital on 0116 287 1471 as soon as possible to discuss eligibility.

### Congratulations to the top 5 recruiters:

Gloucestershire Royal (6 patients), Castle Hill and Queen Elizabeth Gateshead (5 patients), Leicester Royal and Luton & Dunstable (4 patients). Thanks also to all the doctors and nurses involved in recruiting CESAR patients.



## Data collection

A big thank you to CESAR nurses for collecting and returning data for CESAR study patients and especially Mo Kermack (Luton & Dunstable) and Victoria Whiting (West Suffolk) for all their help over the last month or two. It is very important that we have as complete a dataset as possible and we appreciate all your efforts to ensure this. We think it is also important to acknowledge the input from people who are not directly involved with CESAR such as those who continue to look after the patients after they are transferred from intensive care. All of these people perform vital functions for CESAR without whom the trial wouldn't exist. THANKS VERY MUCH!



## CESAR and the role of the ambulance trusts

An important part of the economic evaluation of the CESAR Trial is the calculation of transport costs for both treatment groups in the trial. This is because ECMO will be provided only in Glenfield Hospital, Leicester, and all patients randomised to ECMO will be transferred by ambulance (including air ambulances) to Glenfield from the different participating centres across the UK. This is likely to give rise to huge differences in transport costs between the two treatment groups, which may have policy implications for the optimal provision of ECMO in the UK. Patients with severe respiratory failure tend to stay in hospital for quite long periods of time and so inter-hospital transfers during the trial are also likely to take place.

The Chief Executives of all 38 ambulance trusts in the UK (England, Scotland, Wales, Northern Ireland, Isle of Man, Isle of Wight and Channel Islands) have taken on board their important role in the trial and have agreed to provide costs of every ambulance journey carried out for patients in the CESAR Trial.

Whenever an ambulance is called out to transport a CESAR patient, a transport form is completed by the Glenfield transport team, a copy of which is sent to the economic evaluation team based at Norwich. Mariamma Thalanany is the researcher responsible for transport data collection and she requests the data from the respective ambulance trusts. This system is working very well and ambulance trusts have been very quick in responding to these requests. A big thank you to all the ambulance trusts.

## Farewell to Ann!

The CESAR team would like to give special thanks to Ann Truesdale for all the work she has done over the past 4 years. Ann is retiring from her role as Trial Co-ordinator but will continue her involvement in CESAR as Trial Advisor. We wish her all the very best for the future.



For queries about the day to day running of the study please contact Koro Diallo, Trial Administrator, on 020 7927 2376 or email [Korotimi.Diallo@lshtm.ac.uk](mailto:Korotimi.Diallo@lshtm.ac.uk)

## Forthcoming conferences

- Intensive Care Society Spring Meeting: 5-7 May 2004, Riviera International Conference Centre, Torquay, Devon
- Intensive Care Society Trainee Division Annual Meeting: 26-27 Aug 2004, York
- 2nd International BACCN Conference and 1st Congress of the World Federation of Critical Care Nurses: 13-15 September 2004, The West Road Concert Hall, University of Cambridge

Ravin Tiruvoipati and Koro Diallo will be attending the Intensive Care Society Spring Meeting in Torquay in May and also the 2nd International BACCN Conference and 1st Congress of the World Federation of Critical Care Nurses in Cambridge in September.

**DON'T FORGET TO VISIT THE CESAR STAND!**