

## Hospitals with LREC approval

Airedale General Hospital \*  
 Alexandra Hospital, Redditch  
 Arrowe Park Hospital, Wirral \*  
 Barnet and Chase Farm Hospitals NHS Trust  
 Bassetlaw District General Hospital \*  
 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  
 Furness General Hospital  
 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 \*  
 King's Mill Hospital, Sutton-in-Ashfield  
 Leicester General Hospital \*  
 Leicester Royal Infirmary \*  
 Leighton Hospital, Crewe \*  
 Luton & Dunstable Hospital \*  
 Macclesfield District General Hospital \*  
 Manchester Royal Infirmary \*  
 Medway Hospital  
 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  
 Princess Royal Hospital, Bromley  
 Queen Elizabeth Hospital, Gateshead \*  
 Queen Elizabeth Hospital, King's Lynn  
 Rotherham District General Hospital \*  
 Royal Bolton Hospital \*  
 Royal Bournemouth General 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 North Tees  
 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:

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**Ravin Tiruvoipati** email: [rt67@leicester.ac.uk](mailto:rt67@leicester.ac.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)



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### Newsletter



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 ISRCTN47279827

## Conventional Ventilation or ECMO for Severe Adult Respiratory Failure

No. 6, September 2004

### 100 patients recruited

Well done to **The Horton Hospital, Banbury** for recruiting the 100<sup>th</sup> patient into this important trial. We wish to thank all staff who have referred or recruited patients since the start of recruitment. Together we have achieved an important milestone. If each online centre recruits just **one patient** in the next 12 months we will achieve our target. If you think you have a potentially eligible patient – on high pressure ventilation (peak inspiratory pressure >30cms of water) and/or high FiO<sub>2</sub> (>80% O<sub>2</sub>) for 2-3 days, ring Glenfield switchboard on 0116 287 1471 and ask for the CESAR Clinical Advisory Team.

### Collaborators' meeting

3<sup>rd</sup> CESAR Collaborators' Day, Wednesday 6<sup>th</sup> October  
 Royal United Services Institute, Whitehall, LONDON

#### Keynote speakers

Professor Ian Roberts (LSHTM) - Why trials matter and lessons learnt from the CRASH trial

Dr David Goldhill (Royal National Orthopaedic Hospital, Stanmore) - Evidence based care in ICUs

#### Sharing experience

Learn from centres such as Bedford, Castle Hill, Gloucestershire Royal, Glenfield ICU, Luton & Dunstable and Queen Elizabeth Gateshead, that have been particularly successful at referring and recruiting patients into CESAR.

Plus all the usual updates on progress in the trial and ancillary studies, and lots of opportunity to hear about YOUR concerns and ideas.

...and a free lunch!

Still time to book! Local collaborators and nurses can name a substitute if unable to attend.

#### 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

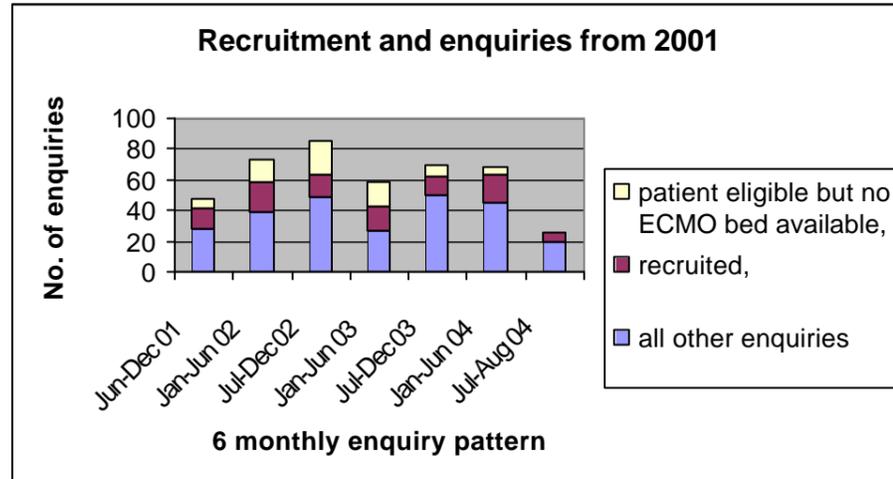
#### Patient Exclusion Criteria

- 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



## Increased bed capacity at Glenfield Hospital

We are very pleased to report that the number of occasions that a patient has had to be turned away due to lack of ECMO beds has dropped drastically this year. Of course there are occasionally going to be busy patches, but we hope that for the rest of the recruitment period, the team at Glenfield, which provides the busiest ECMO programme in the world to date, will have capacity to accept most eligible patients.



## Nurses' study day July 2004

Glenfield Hospital in Leicester hosted a very successful study day on 8th July. With 28 nurses from 17 hospitals attending, the course proved very popular. So much so in fact that another one is planned for early in 2005! Giles Peek welcomed everyone at the start of the day and there was an update on the trial, what ECMO is and how to nurse adult ECMO patients. There was also an excellent talk on transporting critically ill patients, which is often a concern for those considering referring patients to the trial. Hopefully we have been able to ease your concerns about this.



Staff at Glenfield Hospital GITU receiving chocolates for providing up to date information about the trial folder.

From left to right - HCA James Bradley-Garner, Staff Nurse Penny Powell, Staff Nurse Henry Kapishe, Dr Villon Jaggernauth, Physiotherapist Natalie Sperry and Student Nurse Deborah Mackness.

## Recruitment incentives

We've been busy again thinking of ways to help you remember CESAR. Since the last issue we have sent out calculators to the first named nurses and collaborators at our online centres.

We have also sent chocolates to the online centres who have given us information about the location of the CESAR trial folder.

We still have plenty of CESAR pens so if you need more contact Koro on 020 7927 2376.

Other promotions will continue throughout 2004 and into 2005. Don't forget to let us know your ideas on what will help you remember to think CESAR when you have potentially eligible patients.

## Update from the economics team

Collection of critical care cost data

As the CESAR trial is comparing treatments delivered within a critical care setting, it is extremely important that the costs of this care are collected as part of the economic evaluation. If your unit has treated a conventional treatment patient as part of the trial, the economics team based at the University of Sheffield will soon be contacting your hospital's finance department in order to collect data on your unit's annual expenditure on critical care resources. The team may also seek your co-operation in providing some information on capital equipment and the characteristics of your unit. Data will be sought for each financial year in which a conventional treatment patient has been recruited. The economics team have decided to contact finance departments directly so as to ease the burden on critical care staff. For further information about this, please contact Clare Hibbert on 0114 222 0713 or by email [CHibbert1@aol.com](mailto:CHibbert1@aol.com).

Report on visiting study

Mariamamma Thalanany, Health Economist for the CESAR Economic Evaluation Team has developed a study to look at the costs incurred by relatives visiting critically ill patients in intensive care. Data collection from participating centres will be by questionnaires completed by relatives and friends visiting the ICUs during a pre-determined three week period, over the next few months. Princess Elizabeth Hospital, Guernsey, Gloucester Royal Hospital, Glenfield Hospital and Leicester Royal Infirmary have agreed to take part. Data collection has already started in Glenfield Hospital. At least three more centres are urgently needed to represent the North of England, Wales and Scotland. Mariamma welcomes enquiries from any interested persons wishing to play a key role in this interesting research. She will obtain ethics and hospital R&D approval so the researcher/nurses will only be required to facilitate the data collection. Anyone who is interested should contact Mariamma on 01603 591107 or email [m.thalanany@uea.ac.uk](mailto:m.thalanany@uea.ac.uk) for further details.

## The registration and recruitment process...

We are aware that very often when a patient is referred to CESAR neither the local collaborator nor the named nurse may be on duty. As there are usually new staff in post it is important to know where the CESAR folder is kept and what to do with the forms when they have been completed. We are also aware that the assent procedure can be stressful and distressing for both the families and the staff. However, it is essential that we receive a signed assent form for all patients recruited.

### CHECKLIST for medical staff

- C**an you find the CESAR folder
- E**nsure you know who the CESAR named nurses are
- S**hare this knowledge with your colleagues!
- A**lways complete a CESAR assent form with the relatives
- R**eturn the completed registration and assent forms to the CESAR named nurse

## Congratulations!!!

Giles Peek, Principal Investigator for CESAR, has recently been appointed to his new position of Consultant Cardiothoracic Surgeon at Glenfield Hospital. We wish him all the very best!

