

Grants Bulletin

Issue 1

Welcome to our bulletin: Addenbrooke's Charitable Trust (ACT) supports the work of Addenbrooke's and the Rosie hospitals, raising funds for additional and exceptional services, facilities and research. In addition to raising money for specific appeals, we manage the hospitals' charitable funds. We award grants using a robust procedure to ensure donations are invested in accordance with supporters' wishes, to the greatest benefit of patients, their families and those who support them.

With this bulletin we demonstrate the breadth and value of the initiatives and equipment which our kind donors make possible. Our Grants Committee meets every three months and a full list of initiatives supported at the 30 January 2013 meeting appears on page six, alongside more information on how the grants process works.

Inside this issue:

Patient support grants awarded	1
The difference ACT's funding makes	2
Research grants awarded	3
All grants awarded this quarter	4
How the grants process works	6
Forthcoming application dates	6



This quarter's grants in numbers

- 16 grants were made in total this quarter, to the value of £699,548. Of these:
- 5 research grants were awarded, totalling £94,957.
- 3 grants awarded to patient support projects, totalling £51,523.
- £414,354 was spent on equipment.
- £138,714 was awarded to specialist salaries.

Patient support grants awarded

Giggle Doctors

Background: Over 10,000 children are cared for as outpatients at Addenbrooke's each year, and 4,000 are treated as inpatients; many spend weeks at a time away from home.

A stay in hospital can be a daunting time for children who find themselves in a new environment, full of different people, strange equipment and tests and procedures that may be painful or uncomfortable.

The project: Giggle Doctors are specialist entertainers, trained to work both in the hospital

environment and with children with disabilities. Dr Wonderpants, Dr Snug and their funny friends have been visiting children at Addenbrooke's since 2000, "bringing with them a first aid kit full of giggle injections and smile prescriptions".

Over 3,600 children each year are involved with the Giggle Doctors to play the ukulele, conduct magic tricks, make balloon animals or simply sing songs. Feedback from the children, their parents and staff is always positive.

Comment from the committee: "This is a well thought of service which provides precious moments of

empowerment, escape and fantasy".

Grant applicants: Theodora Children's Trust.

Amount awarded: £10,000 from ACT's unrestricted fund.

Acorn House and Chestnut House

Background: Around 450 families each year stay at Acorn House and Chestnut House on the Addenbrooke's site. These 'homes away from home' are clean and comfortable, with private bedrooms and communal living areas so families can stay close to their children in hospital,

helping to alleviate the emotional and financial strains during these difficult periods.

Chestnut House specifically supports families with babies in Neonatal Intensive Care.

The project: The cost of running the two houses is almost £130,000 annually. This includes the salary and staffing costs of the

two House Managers and their three part time House Assistants. Also included in this are insurance, cost of cleaning materials and repairs, maintenance and service costs.

Comment from the Committee: "We fully support this application for a service which is much appreciated by all who use it".

Grant applicants: Sick Children's Trust.

Amount awarded: £33,312 over twelve months from ACT's unrestricted fund, to support six bedrooms across the two houses.

The difference ACT's funding makes Keeping Jade and her family together

"One afternoon, our 15 year old daughter, Jade, complained of feeling unwell. When the tests came back showing signs of leukaemia, we were blue-lighted in an ambulance to Addenbrooke's, an hour and a half from home.

"When I arrived with Jade on the first day, I just had the clothes on my back and not much else, so being at the house and having access to the washing facilities and all the other amenities meant I didn't have to worry about the little things. All my energy could be focused on Jade and her getting better.

"We initially stayed 11 weeks; Jade would sometimes join us at the house and sit outside in

the sunshine. It must have been a lot for her to take in, going from a normal healthy girl overnight to having to battle this awful disease, and I think that moments like this away from the ward helped her feel normal and behave like an average teenager.

"Being away from the beeps and sounds of the ward, in a room with her parents, was the next best thing to being at home and gave her a real boost whenever she visited.

"Being surrounded by families who are going through the same situation also helped me deal with the stress and I've made some great friends out of my time at the house – a positive out of a truly awful situation.

"The ward had to call me on a few occasions as Jade wanted her mum, and the relief that I could just pop across the road to reassure her was immense. If I had had to travel all the way from Norwich to do that, I don't think I would have been able to cope.

"Jade underwent her transplant and is getting stronger every day. My husband and I spent 94 days there in total and I'll always remember the support we received and be grateful for that".

Acorn House is part-funded by Addenbrooke's Charitable Trust supporters and run by the Sick Children's Trust.

"At Acorn House, all my energy could be focused on Jade and her getting better".

Beverley Bowler,
Jade's mum

Jade and her mum, Beverley





Pancreatic cancer The facts:

1. Each year, around 8,000 people are diagnosed with pancreatic cancer. It is the ninth most common cancer in the UK and is most common in people over 60.
2. Pancreatic cancer currently has a low survival rate. It is the only cancer that has seen no improvement rate over the last 40 years.
3. The pancreas is a gland about 15 cm long. It sits high in the abdomen behind the stomach, where ribs meet the bottom of the breastbone.
4. The pancreas has two main jobs, to produce:
 - digestive enzymes that help digest food
 - hormones, such as insulin and glucagon, that help control blood and sugar levels.

Source: NHS Direct

Research grants awarded

Improving the treatment of patients with pancreatic cysts

Background: Pancreatic cancer has a poor prognosis, with only 20% of patients living five years beyond diagnosis.

Thanks to the increased use of CT scanners (which use x-rays to create detailed computerised images of the inside of the body), clinicians are now finding many previously undetected cysts in the process.

Over half of these will develop into cancer, and if operated on at an early stage can be completely cured. The operation used to treat the cyst is a major surgical procedure, with high mortality and morbidity rates.

Unfortunately, it is not easy to predict which cysts will definitely develop cancer. Using current guidelines, surgeons are operating on a large number of patients who might not have gone on to develop cancer.

It is urgent, therefore, to develop better tests to accurately confirm the diagnosis of cancer or high risk of cancer in such

cysts. One possible technique is to place a small microscope inside the cyst, to examine its lining and better target biopsies.

This has not been well examined in humans.

The research: A grant was awarded to fund a feasibility study with the potential to improve the treatment of patients with pancreatic cysts. Part funding had been received from The Murial Edith Rickman Trust and the Kathy Shaw Memorial Trust.

Comment from the committee: "We are supportive of this cutting edge study to use endoscopic research equipment previously purchased with an ACT grant and which could now be used for endoscopic microscopy in the characterisation of pancreatic cysts".

Research title: Endoscopic ultrasound with needle based confocal laser endomicroscopy in conjunction with molecular biomarkers to improve diagnostic accuracy for pancreatic cysts.

Grant applicants: Dr Andrew Metz (Consultant Gastroenterologist) and Dr Massimiliano Di Pietro

(Honorary Consultant).

Amount awarded: £4,543 from ACT's Cancer Research Fund.

Identifying hardening arteries in dialysis patients

Background: Dialysis is a life-saving treatment for patients with kidney failure. However, only three in ten will survive longer than five years. This is largely because patients suffer rapid hardening of the arteries through the abnormal laying down of calcium, making their blood vessels stiffer than normal.

This results in increases in blood pressure, which puts strain on the heart, potentially leading to heart attacks and strokes, even in young people.

Studying new treatments for this problem is difficult, because we currently cannot tell in which patients this process will occur.

The research: This study will use a new form of CT scan to identify which patients suffer from a hardening of the arteries. At the same time, proteins in the blood stream will be investigated, using two very modern techniques to find those proteins that

Dialysis study - who are the researchers?

Laurent Gatto: Post-Doctoral Researcher and computational biologist

Arnoud Groen: Post-Doctoral Researcher and mass spectrometrist

Thomas Hiemstra: Clinical Lecturer and Honorary Specialist Registrar

Kathryn Lilley: Professor of Biochemistry, University of Cambridge

Jane Smith: Senior Research Nurse

Ian Wilkinson: Reader and Honorary Consultant in Clinical Pharmacology

increase or decrease as hardening occurs, hopefully allowing development of a blood test to assess potential artery hardening.

Comment from the committee: "This application is for a proof of concept study which will utilise a study of vascular

imaging funded by the British Heart Foundation (BHF). It could provide pilot data to support a further funding application to the BHF for a large prospective study".

Research title: Protein biomarkers for vascular calcification in end-stage renal disease.

Grant applicants:

Thomas Hiemstra, Ian Wilkinson, Kathryn Lilley, Laurent Gatto, Arnoud Groen and Jane Smith.

Amount awarded:

£9,200 from ACT's unrestricted fund.

All grants awarded this quarter

Grant title and amount awarded	How this benefits patients
<p>Endoscopic ultrasound with needle based confocal laser endomicroscopy in conjunction with molecular biomarkers to improve diagnostic accuracy for pancreatic cysts</p> <p>Amount awarded: £4,543</p>	<p>This feasibility study has the potential to improve the treatment of patients with pancreatic cysts.</p>
<p>Protein biomarkers for vascular calcification in end-stage renal disease</p> <p>Amount awarded: £9,200</p>	<p>This study could help identify which patients have hardening of the arteries, which can lead to heart attacks and strokes.</p>
<p>Investigation into impaired reproductive function in rats exposed to suboptimal early-life nutrition</p> <p>Amount awarded: £15,762</p>	<p>This study will help establish whether common reproductive problems, eg: fertility and pregnancy problems, are 'programmed' by adverse conditions in the womb.</p>
<p>Circulatory function and cerebrovascular control of blood flow and oxygen delivery to the brain in newborn infants undergoing intensive care</p> <p>Amount awarded: £5,870</p>	<p>This research will investigate the control of cerebral blood flow in preterm infants to see if babies' optimal blood pressure can be determined.</p>
<p>Development of immunotherapy for metastatic lung cancer</p> <p>Amount awarded: £59,582</p>	<p>If this study proves successful, more patients with metastatic lung cancer will benefit from immunotherapy treatment - boosting their immune system to fight the disease.</p>
<p>Online video: Pelvic Floor Exercises</p> <p>Amount awarded: £8,211</p>	<p>Women will be able to access effective information about pelvic floor exercises and how to perform them.</p>
<p>Giggle Doctors for Children at Addenbrooke's hospitals</p> <p>Amount awarded: £10,000</p>	<p>Children receiving difficult and often distressing treatment will be cheered and distracted by these play experts.</p>
<p>Acorn House and Chestnut House</p> <p>Amount awarded: £33,312</p>	<p>Accommodation on site to support families when children and young patients receive treatment in the hospitals.</p>

Grant title and amount awarded	How this benefits patients
<p>Essential equipment for high dependency and intensive care cots</p> <p>Amount awarded: £299,700</p>	<p>This equipment will ensure babies receive the best possible high dependency and intensive care support in their early days.</p>
<p>Cabinets for invasive cardiac physiology</p> <p>Amount awarded: £10,868</p>	<p>These will provide secure storage for cardiac devices and all the associated equipment required for implants. This will enable them to be stored safely and free from dust, which is important when packages need to be opened in aseptic environments, to reduce risk of infection for patients.</p>
<p>Two microscopes for the microsurgery lab</p> <p>Amount awarded: £19,718</p>	<p>The microsurgery laboratory exists to train surgeons (neurosurgery, ENT, ophthalmology and plastics) on basic and advanced microsurgical techniques. The number of work stations in the laboratory has been expanded, and the new microscopes will enable more surgeons to take part in the training.</p>
<p>Moria Microkeratome System for the Corneal Transplantation Service</p> <p>Amount awarded: £20,000</p>	<p>Recent advances in technology have helped patients suffering from corneal disease with their early visual rehabilitation. This grant will allow an expansion of the corneal transplant service to patients with corneal blindness.</p>
<p>Vacuum Infiltration Processor Tissue Processor for the Brain Bank</p> <p>Amount awarded: £29,868</p>	<p>This machine allows chloroform processing, which is essential for post mortem brain preparation.</p>
<p>Portable echocardiography system</p> <p>Amount awarded: £34,200</p>	<p>This piece of cardiac and vascular ultrasound will enable hospital staff to undertake specialised investigations as part of clinical research studies and trials, further enhancing Addenbrooke's ability to conduct high end research which will ultimately improve patient care.</p>
<p>Locum salaries for three Biomedical Scientists</p> <p>Amount awarded: £86,541</p>	<p>The locum staff will help the pathology department improve services to patients during a period of reorganisation, ultimately allowing more out of hours testing, faster turnaround of results and a more comprehensive service.</p>
<p>Histopathology salaries to support the research service of the Tissue and Brain Bank</p> <p>Amount awarded: £52,173</p>	<p>The two staff members will support clinical departments to run research projects and training courses that will benefit healthcare science staff education and training.</p>

Addenbrooke's Charitable Trust (ACT)
 Box 126
 Addenbrooke's Hospital
 Hills Road
 Cambridge
 CB2 0QQ

01223 217757

act@addenbrookes.nhs.uk
 act4addenbrookes.org.uk

Registered charity no:
 1048868

How the grants process works

The Grants Committee advises ACT's trustees in setting their grant-making strategy and priorities.

Applications are received by the Research Advisory Committee (RAC), chaired by Dr John Bradley, and the Professional Advisory Committee (PAC) (for non-research applications), chaired by Dr Rob Ross Russell. Committee members review each application and make recommendations to the Grants Committee for ratification. All committees meet four times a year.

Some grants are made from restricted funds, where supporters have stipulated how they would like their donations to be

spent. Other grants are made from unrestricted funds, which are vitally important because they give ACT's trustees the flexibility to meet patients' needs as and when they arise across the hospitals.

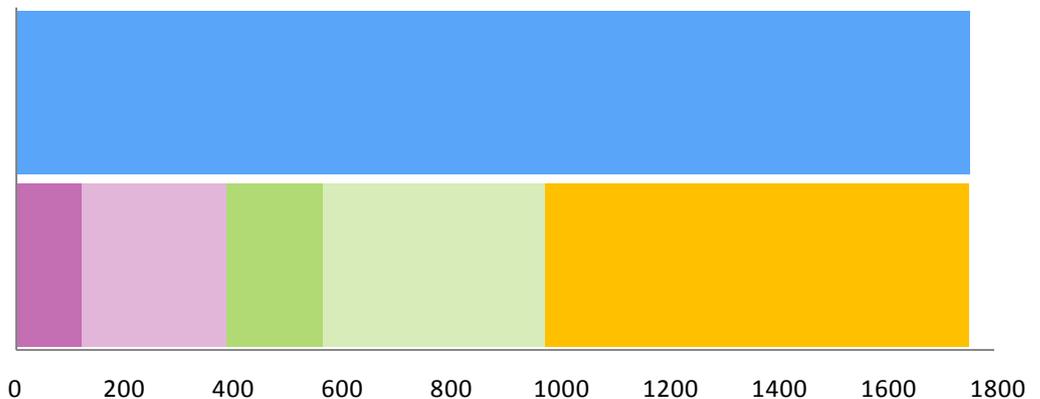
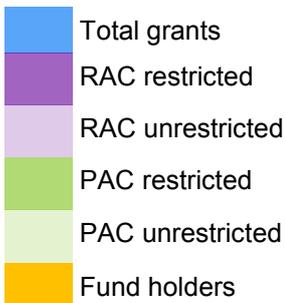
Unrestricted funds are limited, so ACT is striving to encourage more supporters to give unrestricted donations, so more projects like those listed in this bulletin can be funded.

The Grants Committee approved 60 funding applications over 2012/13, totalling £1,753,691. The chart below shows which of those were authorised by the RAC and the PAC, and those agreed by the individual fund holders,

who have the authorisation to make awards to a restricted value. The chart also shows the proportion of projects funded from restricted and unrestricted funds.

Charitable funding is allocated to projects and initiatives over and above what the NHS would normally finance. It can, however, be used for routine refurbishment or to meet statutory NHS requirements if it can be shown that there is substantial benefit, such as accelerating advances in medical care or increasing the quality of service provision over and above that possible through NHS funding alone.

Total grants in £ thousands



Forthcoming grant application deadlines

RAC

Wednesday 3 July
 Wednesday 16 October

Applications will be processed in the order they are received and submitted to the next meeting which has available capacity.

PAC

Thursday 11 July (deadline 20 June)

Thursday 17 October (deadline 26 September)

Grants

Wednesday 1 May
 Wednesday 31 July

(Please note: Applications cannot be made directly to the Grants Committee)

If you work within Addenbrooke's or the Rosie and would like to apply for a grant, please visit:
<http://connect/index.cfm?articleid=6074>