

Summer 2012

lifeline

 Great
Ormond
Street
Hospital
Charity

YOU
+US



little Fiona's life-changing surgery

**how we are
treating more
children with your
fantastic help**

**the research into
heart surgery that
will help the next
generation**



Queen Elizabeth II visits Great Ormond Street Hospital during her Silver Jubilee tour, 1977



Inspection of the hospital's first scanner, funded by the Variety Club of Great Britain, 1977

a Royal history

This year The Queen celebrates her Diamond Jubilee, which also marks 60 years since her first visit to the hospital, soon after her accession in 1952.

She became Patron of the hospital (then known as the Hospital for Sick Children) in 1965. As well as making three official visits, she has attended fundraising performances held in aid of the hospital.

At the time of the hospital's foundation in 1852, Queen Victoria had donated £100, setting the trend for



The Queen's first official visit to the hospital in 1952, during the hospital's centenary celebrations

subsequent support by many members of the Royal Family. Queen Elizabeth II succeeded her aunt, Princess Mary, as Patron following the latter's death. Princess Mary, who was the Princess Royal and Countess of Harewood, had trained as a nurse at the hospital during the First World War.

The patients, families and staff at the hospital wish Her Majesty The Queen a joyful Diamond Jubilee year.

Meeting the cast of *Peter Pan* after a charity performance at the Barbican, 1982



The Queen at the hospital in February 2002, during its 150th Anniversary year and her Golden Jubilee

inside

- 04 The latest news stories
- 08 Our new building has opened!
- 10 Find out about five-year-old Fiona's rare disorder
- 12 Guest Editor Ellie interviews Consultant Plastic and Reconstructive Surgeon, David Dunaway
- 14 A risky operation for Eliana
- 15 Research results announced
- 16 What you helped fund in our brand new building
- 18 Thank you for all your fundraising efforts
- 22 Ways for you to join in

photography – cover/right: David Harrison

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Thank you to our guest
editor of *Lifeline*, Ellie, who did
a brilliant job of interviewing
Mr David Dunaway.

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hello from...



Hi, my name is Ellie I'm 17
and I'm your *Lifeline* guest editor.

I was born with Crouzon syndrome
so the bones in my skull and face
couldn't grow normally. Before my
operations, this put pressure on my
head, caused me breathing problems
and made my eyes protrude. My dad
has it too so we have a very strong
bond, but he hasn't had surgery – it
wasn't available to him when he was
younger. You can read more of my
story in this issue on page 13.

You can also read about the new
Morgan Stanley Clinical Building
that's just opened. There's still a lot
that needs to be done at the hospital,
and I interviewed Consultant Plastic
and Reconstructive Surgeon David
Dunaway about two new operating
theatres the charity is fundraising for.

Thank you for helping make my
operations and those of other patients
possible. Great Ormond Street
Hospital is the best in the country.

Ellie





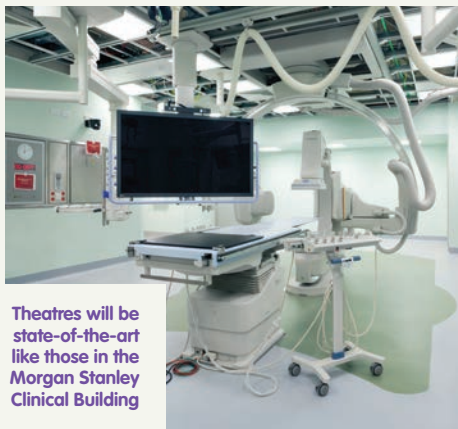
Architect's impression of the Mittal Children's Medical Centre

treating more children

*** As we celebrate the opening of the Morgan Stanley Clinical Building (see page eight), our fundraising efforts turn to the much-needed redevelopment and refurbishment of our current Cardiac Wing.

This phase of the hospital's redevelopment will see a new building with seven clinical floors open in 2016 that will be linked with the Morgan Stanley Clinical Building to create the Mittal Children's Medical Centre. Once the centre is complete, we will be able to deliver on our target of treating up to 20 per cent more children.

As well as providing modern inpatient facilities, the new building will



Theatres will be state-of-the-art like those in the Morgan Stanley Clinical Building



Not used a QR code before? See page seven for more details

include two new operating theatres which we are now fundraising for.

Each theatre will have a suite of supporting rooms that will enable the team to clean and prepare the theatre ready for a patient while they

are being anaesthetised. This means theatres can be used continuously, so the maximum number of patients can benefit from vital surgery.

Surgery might be planned, such as elective surgery to lengthen a limb, or immediate, such as a baby born with a defect that needs to be urgently corrected. Many patients will be frequent visitors to the department, as they may require several procedures to correct a problem.

They will be able to recover from their anaesthetic in a purpose-built post-anaesthetic care unit, until they are discharged home or to an inpatient ward.

Like many of Great Ormond Street Hospital's patients, children will be referred here because of their complex needs – meaning that the surgery they need cannot be carried out elsewhere.

In our First Person interview (pages 12–13), one of our leading surgeons explains more about the difference these operating theatres will make.

Phase 2 of the hospital's redevelopment, including these two buildings, costs £321 million – we urgently need to raise £45 million to complete this work.

To help us fund the new operating theatres, please call 020 7239 3131 or visit www.gosh.org/operatingtheatresappeal

photography: (this page middle) James Medcraft

friends gallery



*** We've created an online Friends gallery to display all of our Friends members' and patients' wonderful drawings, including all entries to our 'design a Christmas card' competition.

Left is the winning design by Imogen (age six).

To check out their work, visit www.gosh.org/friendsgallery or to submit a drawing, contact friends@gosh.org

we're now a Foundation Trust

*** Great Ormond Street Hospital has now become an NHS Foundation Trust.

Although we are still part of the NHS, being a Foundation Trust will help keep the hospital focused on the needs of children. It will also help us in our ambition to be in the top five children's hospitals in the world, and to keep quality and safety at the centre of everything we do.

A Members' Council has already been elected representing staff, patients, parents and carers, as well as the public and other interested parties.

It will work closely with hospital management to help us improve our services and the way we work. From our preliminary meeting, it's clear that the Council

sees its role as that of a critical friend, helping the hospital in the years ahead.

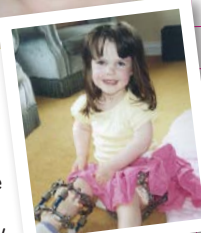
It's easy to become a Foundation Trust member. Membership is free and is open to anyone who lives in England and Wales over the age of 10. As a Foundation Trust member your views are valued. The hospital wants to know how we can improve the service we offer to patients and families.

You'll also have the chance to participate in surveys and receive news updates about the hospital. Why not sign up?

To find out more about becoming a member of Great Ormond Street Hospital's Foundation Trust, or to sign up online, visit www.gosh.nhs.uk/foundation



talking to...
Jane, mum of Robyn, age nine



“When Robyn was born, we thought everything was absolutely fine. A day later, the paediatrician came to check her and told us she had a form of dwarfism called achondroplasia, which means her limbs are out of proportion with the rest of her body. At first we were devastated, but now, we honestly wouldn't have her any other way.”

“Robyn has never let her condition stop her doing anything – despite being in and out of hospital all her life. She must have been to Great Ormond Street Hospital about 30 times.”

“Since she was five, she has had four operations to lengthen her legs – the last of these was in February. The new operating theatres that the charity is now raising funds for are where patients like Robyn will be treated in the future.”

“I can't say enough how fantastic the hospital is. It's really changed Robyn's life. It's a long way from home as we live in West Wales, but we can stay there and cook healthy meals for the family. The doctors and nurses are wonderful.”

“After each op, Robyn has to spend months in leg frames or a wheelchair, but she is a little trouper.”

“Not only is she receiving fantastic care but she has also grown into a confident young girl. She's taken up gymnastics for people with a disability and has won eight gold medals! I'm so proud of her.”

Visit www.gosh.org/lifeline to read more about Robyn

research into rare diseases

>>> The hospital has exciting plans to build a Centre for Children's Rare Disease Research. The centre, which will cost £66 million to build and equip, will bring together clinical and research expertise from Great Ormond Street Hospital and University College London (UCL) – in particular, the UCL Institute of Child Health.

Rare diseases include childhood cancers, muscular dystrophy and cystic fibrosis, as well as diseases that only affect a handful of people or just a single person. Some 75 per cent of rare diseases affect children. Sadly, 30 per



Scarlett, six, has rare birthmarks known as congenital melanocytic nevi

cent of rare disease patients will die before their fifth birthday. Dr Jane Collins, Chief Executive of Great Ormond Street Hospital, said: "Rare diseases risk being undiagnosed and therefore untreated. They are also under-researched at present. We have made great strides forward, for example pioneering an effective gene therapy treatment for conditions such as X-linked

06

severe combined immunodeficiency (X-SCID) and adenosine deaminase deficiency SCID (ADA-SCID), but more needs to be done."

There are more than 6,000 rare diseases. One in 17 people will be affected by a rare disease at some point in their lives. In the UK, that equates to around 3.5 million people.

Professor John Tooke, Vice Provost (Health) at UCL, said: "Tackling rare diseases not only provides much-needed help for these often neglected conditions, but can also provide unique insights into what is happening in more common conditions."

A successful fundraising appeal will lead to the centre opening in 2018.

Find out more about our groundbreaking research at www.gosh.org/researchprojects

07

news

Scan this QR code to donate to our operating theatres appeal



go mobile

>>> To use the QR (Quick Response) codes in *Lifeline*, download a free QR code reader app to your smartphone. Open the app, hold your phone over the code and go straight to the donation web page.

Or, text us. For donations to the new operating theatres, text GOSH03 and the amount you wish to donate (eg GOSH03 £5) to 70070



more success with gene therapy

>>> Doctors at Great Ormond Street Hospital and the UCL Institute of Child Health have reported that five patients with the gene defect X-linked chronic granulomatous disease (X-CGD) have responded to gene therapy. X-CGD is an inherited, life-threatening immune disease where children cannot produce working white blood cells known as phagocytes, and so have reduced protection from fungi and bacteria.

As a result, the children can suffer from severe infections, require constant medication, and suffer social restrictions to reduce the risk of disease. The

patients saw a clear, though temporary, improvement in their immune system, which helped them recover from their serious illness at the time. It demonstrates the continued potential of research into this treatment technology. Professor Adrian Thrasher said:

"This is the third immune disease to respond to gene therapy in our programme. We reported in August 2011 that 14 out of 16 patients with X-SCID or ADA-SCID showed clear clinical benefit. Trials for a fourth disease, Wiskott-Aldrich syndrome, have also recently started, while those for cancer, HIV, and inherited skin disorders are close to clinical application."



Professor Adrian Thrasher



raffle news

>>> Our New Year raffle draw took place on 29 March 2012. Congratulations to Mr M Robson who won the top prize of £5,000.

The money raised from the raffle will go towards helping us achieve our goal of redeveloping two-thirds of the hospital.

Thank you to everyone who participated.

A full list of winners can be found at www.gosh.org/raffle

talking to... Dr Chris Abela, Craniofacial Fellow

From January to April this year, thousands of visitors to the London Science Museum volunteered to have their photographs taken using the latest 3D imaging technology for a project known as *Me in 3D*. "We collected 12,000 photographs, setting a world record for this type of study. Researchers will be

able to use this database of 3D facial images to study patterns in face shape.

"This could help surgeons from Great Ormond Street Hospital, University College Hospital and the Eastman Dental Hospital and Institute improve treatments for patients with facial disfigurement.

"We know a lot about the bones in our faces but little is known about what makes our face the shape it is and about the skin and muscles that make up our face. But by

collecting these 3D photographs, we will have a greater understanding of our complex faces, and have greater knowledge to plan and perform the best facial surgery in the future.

"This has been a really exciting event, allowing children, young people and adults to explore what their faces look like in another dimension."

To find out more, visit <http://mein3d.info>

photography: David Harrison

we're open!

The recent completion of our new building has only been possible with your fantastic support

We are delighted to announce that after four years of hard work, all wards and theatres in the new Morgan Stanley Clinical Building are now open.

The opening marks the completion of

"We decided we should focus more on what going to theatre actually means"

Phase 2A of the hospital's redevelopment. The building, the first of two that together will form the Mittal Children's Medical Centre, will allow

The Nature Trail engages and distracts patients



the hospital to treat more children, provide more privacy and comfort for patients and their families, and make their stay as stress-free as possible.

The Morgan Stanley Clinical Building includes a new Heart and Lung Centre, where a Cardiac Intensive Care Unit (CICU), known as Flamingo Ward, provides specialised care for seriously ill patients with complex or rare heart-lung disease.

These patients are among the most fragile at the hospital.

Also part of the centre is Bear Ward, providing specialised inpatient care for cardiac patients, and

including high dependency beds for children who have just left the CICU. Diagnostic facilities are provided too – on Walrus Ward.

The technology and design of three new cardiac/neuro operating theatres and a paediatric hybrid angiography room are world class. A unique digital installation, called The Nature Trail, sees woodland creatures appear on the walls along the corridors as children make their way to a separate anaesthetic room.

"We decided we should focus more on what going to theatre actually means," Natalie Robinson, Deputy Director of Redevelopment,

photography: top left – David Harrison, all others – James Medcraft

says. "Children can be apprehensive about going to theatre, as can parents.

"We wanted to provide an environment that children find engaging and distracting but, at the same time, doesn't slow down the process of going to theatre."

Wards in the new building benefit from en-suite facilities, sofa beds or recliner chairs

"A parent or carer can sleep by their child's bed"

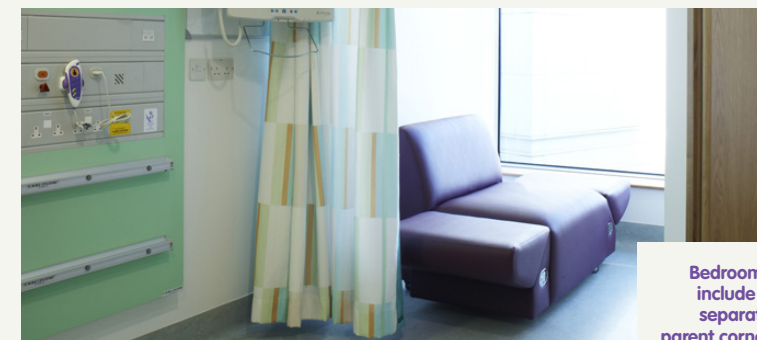
for a parent or carer to sleep by their child's bed, rooms for children to socialise with others of their own age, and areas for parents and carers to make a drink or snack and take time out from the intensity of the ward.

Patients, families and staff can also use the new Lagoon restaurant. Anna Cornish, Head of Facilities, says: "It provides food and service that families need, effective use of space and there's a 3D cinema screen."

The new building also houses the state-of-the-art neurosciences centre (Koala Ward) and kidney centre (Eagle Ward).

We can't thank you enough for your support in helping us bring these facilities and services to the children and families who will now benefit from them.

To find out more about what you've helped fund in the Morgan Stanley Clinical Building, see pages 16–17



Bedrooms include a separate parent corner



Bear Ward, a vital part of the Heart and Lung Centre



"The technology and design are world class"

Equipment in the Cardiac Intensive Care Unit

Fiona's first five years

An emergency tracheostomy saved baby Fiona's life, but only complex surgery could allow her to breathe normally

"We could see as soon as Fiona was born that her jaw was very far back," says dad Andrew.

As quickly as Fiona was passed to mum Emi for her first feed, she was taken away again and rushed to special care. Doctors told Emi and Andrew that she may have Pierre Robin syndrome, where a smaller than normal lower jaw

causes breathing problems.

"We were so shocked and worried," says Andrew.

It transpired that Fiona's condition was in fact on an extreme scale and that she had a much rarer disorder, Nager acrofacial dysostosis (Nager syndrome).

At just 10 days old, she had an emergency tracheostomy – a hole was made through the front



Fiona in 2008

of her neck and into her windpipe for her to breathe through. She finally went home for the first time when she was almost three months old.

"There was a lot for us to learn," says Andrew.

"The hardest thing was

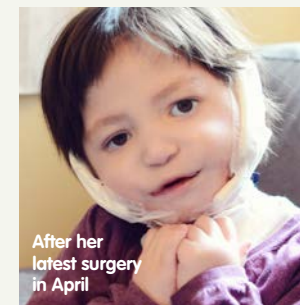
the night-time."

The difficulties Fiona had with being fed through a tube, plus regular hospital visits made Andrew's job as a civil servant impossible.

"The number of hospital appointments were more than my annual leave," says Andrew. When voluntary redundancy came up, Andrew chose to take it so that he and Emi could instead concentrate on a photography business they had started before Fiona was born. "We could run it from home and I didn't have to worry about taking time off," says Andrew.

When Fiona was 18 months old, she was referred to Consultant Oral

"She is never nervous before operations"



After her latest surgery in April

and Maxillofacial Surgeon Peter Ayliffe at Great Ormond Street Hospital and recommended for distraction surgery to lengthen her jawbone.

The process began in 2010, when Fiona was three. "They cut the jaw in half and put in bolts and a screw that we had to turn

Fiona with baby brother Jago and dad Andrew



every day to stretch the jaw out – it was painful for her," says Andrew. "The first stage worked well but then an infection meant the screws wouldn't hold and she had to have it redone."

After five lots of surgery, Fiona was able to have the last bolts taken out in April. "It's such a difficult operation," says Andrew. "But the hospital has been wonderful. They make us feel very relaxed and Fiona trusts Mr Ayliffe so much. She is never nervous before operations."

Fiona, now five, may need further surgery on her jaw to reconstruct the joint as her mouth won't open far (she mainly uses the sign and symbol language Makaton to communicate).

Nager syndrome has also meant Fiona needed two lots of surgery to correct problems with her thumbs. She can't straighten her elbows and is seeing a

Left to right: Fiona, Nana, Jago and sister Lila



specialist for that. A bone growing across the inside of her ear blocks sound so she'll have a permanent bone-anchored hearing aid.

It's operations like these that will happen in the new operating theatres we are now raising funds for.

"Hopefully once all the operations are finished we can look at having the tracheostomy removed," says Andrew. "But Fiona still enjoys the same things as most children. She loves going to the park and riding her bike and scooter. We haven't wrapped her up in cotton wool."

Surgery has meant Fiona has missed 80 per cent of school. "She had made very good friends but because



Fiona uses her hands to communicate with Makaton



"What we're most proud of is Fiona's confidence"



she wasn't going, they formed other bonds," says Andrew. But, he says: "Fiona has a very positive outlook on life." Andrew worked as a porter at the hospital when he was 21. "I saw then the strength of character that children have here," he says. "And what we're most proud of is Fiona's confidence."

getting better and better

"Hi, my name is Ellie and I'm the guest interviewer for *Lifeline* magazine. Today, I'm talking to Mr David Dunaway about the new theatres at the hospital."

Hello! How long have you been working for the hospital?

I've been here 12 years and work as a consultant surgeon leading the Craniofacial team.

Where will the new operating theatres be?

The new theatres will be in the new clinical building, part of the ongoing rebuild of the hospital. At the moment there's a space that's just been closed where the Cardiac Wing was. Much of that building is going to be knocked down and the new theatres will be built in the space.

How are you involved in the development of the theatres?

Most of the clinicians here have been involved in helping to advise on what we feel will be the best thing for the new theatre complex so that the designers, the builders and the people commissioning the theatres understand what we need.

Why are you personally involved?

I think it's very important that doctors and clinicians have a role from the start and I am very keen to get our message across both for ourselves and our patients. It is really nice to be involved in yet another new development at Great Ormond Street Hospital where they are building better and better facilities so that we become a better hospital through it.

What sort of surgery is taking place in these new theatres?

The surgery is quite general and wide but from my point of view in the Craniofacial Unit, we'll be doing operations that involve the face and soft tissue, and some bone operations on the face as well. Operations that we do with our neurosurgical colleagues where you have an incision across the top of the head, like some of the surgery you had, will be done in the Morgan Stanley Clinical Building. These new theatres are going to allow us to really concentrate on those lower facial operations.



Not used a QR code before? See page seven for more details

What do you think is going to be the very best thing about these new theatres?

For me it's the theatre itself and having that very hi-tech environment to work in. It's not tiring and just allows you to do the best possible job.

Please help us raise funds for the two new theatres. Call 020 7239 3131 or visit www.gosh.org/operatingtheatresappeal



How will these new theatres help surgeons to do their jobs?

The environment is so much better. Within the theatres themselves the equipment is a leap ahead – the lighting is better, the screens we have for looking at our very complex radiological imaging are much better and we can use modern navigational techniques that help us do accurate surgery. The other great thing is that they are set up both for patients and staff. The theatres are a much nicer place to be. The journey for patients going through will be better and working there will be better as well.

Why does the hospital need more theatres?

It's a big hospital on a small site. You have probably worried that perhaps your operation is going to be cancelled because of an emergency. There just isn't enough capacity. Things have also moved on a lot and it's really important to have up-to-date theatres to get the best outcomes for our patients.

Scan this code to watch the video of Ellie's interview on your phone.

Or, visit www.gosh.org/lifeline



talking to...
Ellie, age 17



"My mum says I screamed in agony all the time as a baby until I was 18 months old because of the pressure in my head."

"Since then I've had between 15 and 20 operations. When I was about 10, because my cheekbones weren't supporting my eyes, my right eye actually popped out. I recall being in bed, leaning over to get something and being in extreme pain. Daddy was screaming."

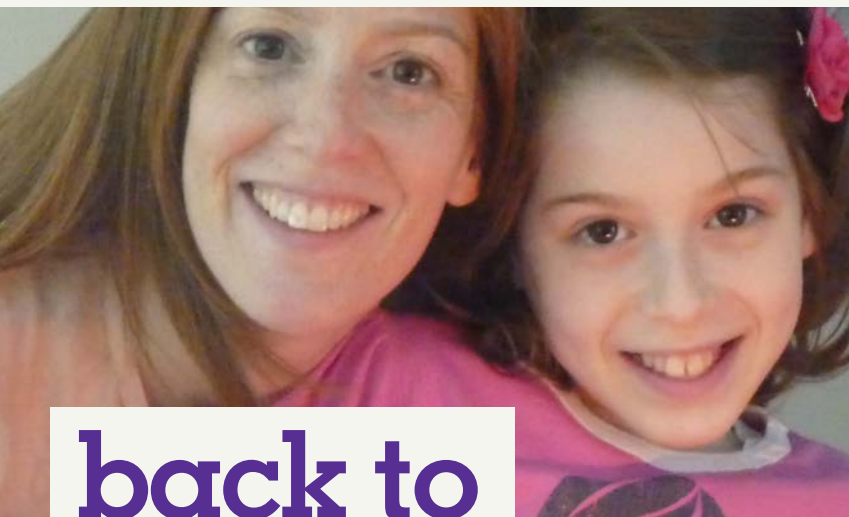
"I then had major surgery where they detached the front of my head from the back to reconstruct the bones of my face. They put a frame around it and mum had to turn screws every day so the bone would grow in between and bring my face forward. It's a bit gory! I'm so used to having surgery I just take it as it comes. David Dunaway is lovely and comforting."

"I'm at college now doing graphic design, textiles and business, and next year I'll do 3D design. I really like it there. I don't tend to talk about my condition that much. I only really open up to a few people."

"We've done lots of fundraising for the hospital and we'll be doing more in the future. I hope I can finish my surgery before I'm an adult, while I'm still with Great Ormond Street Hospital."

"I need surgery to align the lower parts of my jaw and some dental work. I'll always wear hearing aids. The main problem I have now is that I can't eat with my mouth closed as I can't breathe through my nose."

"I'm hoping the next surgery will change that."



back to school at last

Eliana missed out on many months of school due to a huge tumour – but thanks to the hospital, she's back!

Parents Tara and Paul first noticed something was wrong in 2009, when Eliana stopped eating properly and felt tired all the time. A scan revealed an enormous

tumour was attached to some of Eliana's organs. "They decided that if they could shrink it they would rather do that."

So, Eliana underwent 15 months of draining chemotherapy. "Eliana was so tired," remembers Tara, "and she couldn't walk far... she missed two-thirds of year four and had to have

"Eliana couldn't do much at all"

lump in her abdomen, and Eliana was immediately transferred to Great Ormond Street Hospital.

"At first we didn't know if it was cancer," recalls mum Tara, "so we were absolutely devastated." Fortunately, it wasn't – but that didn't mean things were going to be straightforward. The doctors felt operating would be risky as the

top: Eliana on her 10th birthday with mum Tara, six weeks before the operation

bottom: Eliana (far left) with her siblings on her first day back at school, two months after the operation



extra tutoring."

Unfortunately, the chemotherapy was unsuccessful, and there was no option but to operate. Despite the risk, Tara says: "We knew we were in the best place. There were lots of doctors looking after her so we were able to get a second, third and fourth opinion."

During the nine-hour operation, shown in a BBC documentary last month, it was discovered the tumour had grown into Eliana's liver and kidneys. It had to be delicately freed piece by piece and weighed over 3kg. Thankfully, the surgery was a success and Eliana was able to return home after just six days. A mere two months after that she was

"We knew we were in the best place"

back at school.

"She's amazing," says Tara. "She can do anything any normal 11-year-old can. She's active and plays netball and goes swimming."

"We cannot thank Great Ormond Street Hospital enough. Eliana is having check-ups every three months and we feel reassured that if the tumour did come back they would find it very quickly."

The Great Ormond Street documentary featuring Eliana is available until 26 June at www.bbc.co.uk/iplayer

healthy hearts

Former heart surgery patients have been back at Great Ormond Street Hospital to help with some valuable research

Thanks to the huge response to our 2011 Valentine's appeal, Consultant in Cardiology, Dr Kate Bull, has been able to complete a research project looking at patients with a defect called tetralogy of Fallot. These patients had heart surgery as children for a plumbing problem that often means babies look blue due to lack of oxygen in the blood – and which led the defect to be known as 'blue babies'.

"It was risky surgery in the 1960s," says Dr Bull,

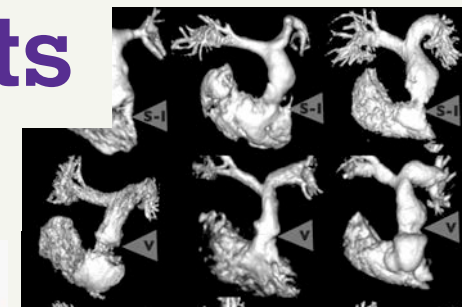
"Once they have survived the operation, most patients do really well"



Daniel Good (left), Fallot patient number 243 operated on in 1975, with Dr Alessandro Giardini (right) who led the exercise tests

but thanks to advances that the hospital has pioneered in cardiac surgery, the operation is now very standard. But what about the long-term health of these patients?

Dr Bull's team compiled a list of all 1,080 who have had this surgery at Great Ormond Street Hospital since the first operation in 1964. They then took 10 patients at random from each decade – from children only just operated in the 2000s to patients



MRI scans of adult patients with healthy hearts



Consultant Dr Kate Bull

now aged 40-plus. "We put those 50 patients through the same tests to see how they were doing," says Dr Bull. The patients did a formal exercise test, had MRI scans of their hearts and filled in quality-of-life questionnaires. "We are able to say very confidently that once they have survived the operation, most patients do really well – better than doctors might have expected."

The MRI scans mean the hospital now has pictures of the hearts of patients that did not have any further surgical revision. "We know there are patients at least 35 years old who feel they are normal and do exercise tests that would be as good as yours or mine and are unlikely to need further surgery," says Dr Bull. "Surgeons can see pictures of what the

"They have been able to help the next generation"

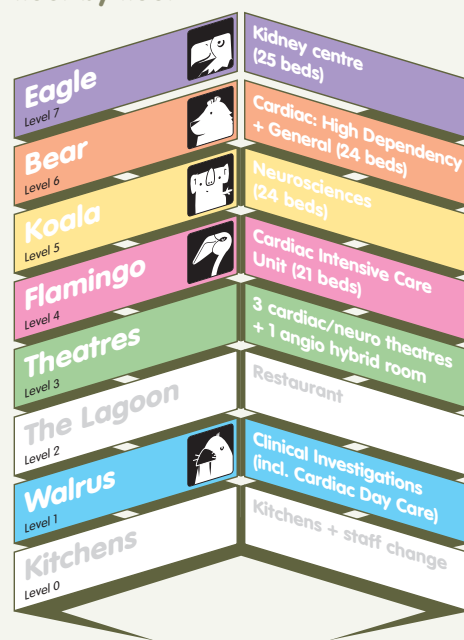
good ones look like." This helps them understand the best way to repair a child's heart so that the patient is least likely to need revision in middle age.

"The patients who came back have been able to help the next generation," says Dr Bull.

appeals update

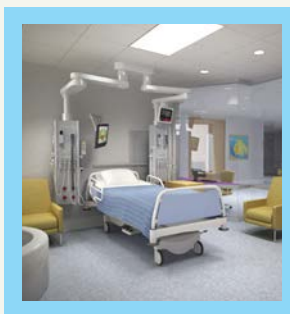
Thanks to your support, we can now provide heart and lung patients, and their families, with state-of-the-art facilities and equipment in the new Morgan Stanley Clinical Building

Morgan Stanley Clinical Building floor by floor



Without your help, the hospital would not have been able to open the amazing new Morgan Stanley Clinical Building this month. Our last few appeals have focused on raising funds for the building's heart and lung centre, which spans Bear, Flamingo and Walrus Wards, as well as the operating theatres and their anaesthetic room. Here are some of the things your generous donations have helped us build and equip through these appeals.

Summer Appeal 2011
Single bedroom,
Walrus Ward (Level 1)
£122,852



Friends 2009-11
Child play and dining area,
Bear Ward (Level 6)
£169,344



Valentine's Appeals 2009-2012
Heart and Lung Centre Appeal 2008-2011
General cardiac services
£867,087



Summer Appeal 2011
Anaesthetic room (Level 3)
£250,000



photography: David Harrison

Six simple things you helped fund in this room



talking to...
Mark Thomas,
Clinical Unit Lead
for Anaesthesia



The Morgan Stanley Clinical Building is fantastic and we are very grateful to donors for supporting last summer's appeal to fund the new anaesthetic room.

"I've been working at the hospital as a consultant for 12 years. As a department we anaesthetise 20,000 children per year. Children who have been through a lot realise what's coming. If you've got an anxious, crying, struggling child then that's a very difficult position to start from.

"A concept we've always been keen on is to make the journey as pleasant as possible, even if it's not that much fun. If you have got a child-friendly environment, that's a big factor in minimising their anxiety – and when children have gone off to sleep in a smoother state, it's my impression that they wake up that way.

"It's very hard to make an operating theatre child-friendly but a separate anaesthetic room doesn't have to be spotlessly sterile so there's a little bit more scope to make it child and family friendly. It is also much more efficient in terms of turnaround time between cases so we can treat more children."

To read more **talking to** interviews, please visit www.gosh.org/lifeline

"If I could be in the Olympics I'd choose... the 100m sprint Nicholas, 14"



"If I could be in the Olympics I'd choose... boxing Mohamed, 16"



...everyone who has jogged, baked, boogied, dressed up, climbed mountains, held a car boot sale, ridden a bike or done anything in aid of Great Ormond Street Hospital Children's Charity. We can't include all of you, but here are some of the highlights...



the quirkiest challenge yet?

Julian Hill has raised nearly £3,000 for Great Ormond Street Hospital Children's Charity, through a 24-hour SingStar session!

Julian sang 314 songs in 24 hours, 21 minutes and 25 seconds – breaking the Guinness World Record for endurance-singing on a video game! He has raised

a total of £2,933.

Julian decided to take on the quirky endurance challenge in gratitude to the hospital for saving the life of his daughter, Amelia. She was born with the rare heart condition tetralogy of Fallot, which reduces the organ's ability to circulate oxygenated

Sing stars:
Julian Hill and
his daughter
Amelia

blood around the body.

"We experienced first hand how donations from the public really do help," Julian said. "Amelia was provided with world-class care by exceptional doctors and nurses. We were given accommodation before and during Amelia's five-hour operation, and I was given a bed space next to her cot while she recovered on the ward.

"I knew I couldn't run a marathon without collapsing after a few miles, and I'm rubbish at baking cakes, but I do like a good karaoke session. The SingStar challenge seemed like a fun way to raise some money and spread the word about all the good that the hospital does, not only for the patients but for their families too."

Since her operation Amelia has celebrated her first birthday. She's now learning to talk, and we're sure she'll be joining in with her dad's karaoke sessions before long!

easy giving

HSBC bank plc will be supporting Great Ormond Street Hospital Children's Charity over the next 24 months through ATM Giving.

This scheme allows HSBC customers to easily donate when using any HSBC bank ATM machine around the UK.

Great Ormond Street Hospital Children's Charity was chosen to be one of HSBC's six charity partners for 2012/13 by staff at the bank. In 2011, over £500,000 was donated to the featured charities by HSBC customers via ATM Giving.

HSBC



goshi moshi

An exclusive limited edition Moshi Monsters tin is being launched in November to raise funds for Great Ormond Street Hospital Children's Charity.

Each tin will contain a limited edition collection of eight metallic blue Goshi Moshi Moshlings. The tins will be on sale from November. The toy company

Vivid is producing a limited edition of 35,000 tins, and has guaranteed a minimum donation of £50,000!

This will help fund Great Ormond Street Hospital's new children's kidney centre in the Morgan Stanley Clinical Building.

The original tin artwork, designed by Mind Candy, is intended for auction later in the year to raise additional funds for the charity.

maths marathon!



The Watford Grammar girls with teacher Mr Broadwith

A massive thanks to Watford Grammar School for Girls for completing a brain-bending 24-hour maths lesson in aid of Great Ormond Street Hospital Children's Charity.

Take one inspirational maths teacher, add 20 of his willing colleagues and multiply by 30 pupils from Year 11. Add in 24 hours of maths and you reach their amazing total of £5,691.94.

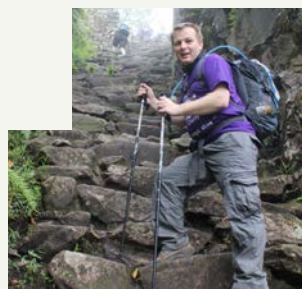
A JustGiving page and live link were set up for the

duration of the challenge and many viewers watched them during the night.

They even had a couple of mentions on local radio stations and were nominated for the JustGiving Award for Most Creative Fundraiser!

Want someone to talk with your school about fundraising for the hospital? Contact schoolspresenters@gosh.org or call 020 7239 3167





Inca trek

Sean Middleditch admits to being "one of those people who never visits the gym and is stuck behind a desk all day" but that didn't stop him signing up for the Inca Trail Trek!

Sean's daughter Maisey has a complex digestive condition, which means she can't eat most normal foods.

"By taking on the trek, I knew I was going to be helping other children like Maisey," said Sean, who raised £3,200. "She was



lucky enough to be treated in the new Octav Botnar Wing which has all the latest facilities. But many of the buildings are still in need of updating.

"The trek really is beyond words – and certainly should be at the top of everyone's to-do list!"

Call 020 7239 3164 to sign up for this year's trek

raise £160 for our 160th

Great Ormond Street Hospital first opened its doors 160 years ago, with only 10 beds! Since then, members of the public have played a vital role in raising funds to keep the hospital growing and improving.

Help us celebrate our incredible history this year by taking on our challenge to raise £160 for our 160th. You could get sponsored to swim 160 lengths of your local swimming pool, or run 160 laps of a park – it doesn't have to be all at once! Or, try to stay silent for 160 minutes or host a quiz with 160 questions!

For more fun ideas and to download a fundraising pack and posters, visit www.gosh.org/160bday or contact us on 020 7239 3131

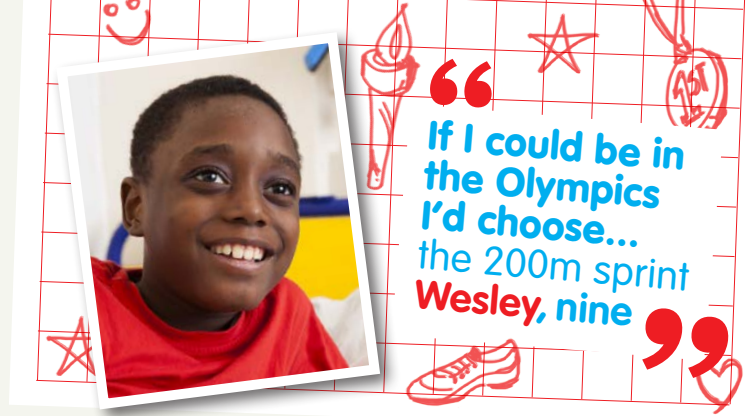
order your buckets

From Friday 19 to Friday 26 October, we're holding our first official bucket collection – 'Donations Make A Difference' – and we need your help!

We'll provide you with all the buckets, t-shirts, stickers and balloons you need to make sure it's a big success.

Get in touch as soon as possible as you'll require a licence from your local authority, and may need to book a location several months in advance – which gives you plenty of time to find some volunteers!

To find out how to organise a collection, please contact communityevents@gosh.org



ambassador Angela

Angela Harris and her husband Peter have joined a small team of charity ambassadors who support the hospital by giving talks in their local community, promoting fundraising activities and holding fundraising events.

The couple has been supporting the charity for many years, and this September will hold their seventh charity fundraising ball at Stock Brook Country Club in Essex.

Angela was inspired to give her support after their youngest son, Alex, was diagnosed with leukaemia in 2003, and spent months in the hospital.

Following two bone



Charity ambassadors, Angela and Peter Harris

marrow transplants, he's approaching his 16th birthday healthy and happy!

Angela said: "We still attend the hospital a couple of times a year and are amazed when staff we may not have seen for a long time stop and say hello and remember Alex and the family."

If you live in the home counties and would like to become a charity ambassador please contact Martin Harris on 020 7239 3066 or martin.harris@gosh.org

premier fundraising

Premier Mobile has raised a huge £100,000 to fund an interview room in our new Heart and Lung Centre. This special room is a private space where patients and their parents can have confidential discussions with doctors.

The company organised golf days, marathons, canoeing challenges along the Thames,

and fundraising balls to raise the money they pledged in 2010. One of the most recent balls was attended by pantomime legend Christopher Biggins!

Their generous support will make a huge impact on the lives of our patients and their families.



Christopher Biggins, patient Alex and Premier Mobile Managing Director Jason Yeomans

talking to... Catherine, age 21

Until I was 15, I lived a normal, healthy life. Then, one day I noticed that my heart was beating a lot faster than usual.

"My parents took me to my local hospital in Jersey, and tests showed that I was in heart failure. I was flown to Great Ormond Street Hospital for a series of tests, and spent weeks on the cardiac ward.

"Then, during a procedure to place a pacemaker, I became seriously unwell.

"The next time I woke up – which was one week

later – I had undergone a heart transplant!

"During the time that I was waiting for transplantation I was on a ventilator in the Cardiac Intensive Care Unit. My family were with me the whole time and thankfully, a heart was donated.

"The generosity of the donor and their family cannot be described.

"I was 21 this year, and am now busy enjoying life at university, but I wanted to show my gratitude to Great Ormond Street Hospital by setting up the

Love Hearts Appeal to help raise money for the new Cardiac Intensive Care Unit.

"It was so clear to me that the hospital was an amazing place, but the facilities urgently need improving. From my own experience I know just how important this is."

Help Catherine raise money for the Love Hearts Appeal by visiting www.gosh.org/lovehearts or calling 020 7239 3131



We organise a wide range of exciting fundraising events – fun runs, challenging climbs, adventurous treks and many others. Here's a sample of what's coming up...

**→ London to Paris
→ 5–9 September 2012**

This cycle challenge links two great European cities, covering around 300km in just four days. Cycle along wide Parisian boulevards to the finishing line – the Eiffel Tower.



**→ Tri for Life
→ 15 September 2012**

Now in its fifth year, this unique multi-sport event is at a brand new triathlon venue, Woburn Abbey. With three different triathlon distances and a new 10k run for grown-ups, as well as the kids' duathlon and scootathlon, there is something for everyone!

**→ Virgin Active London Triathlon
→ 22–23 September 2012**

The UK's biggest and best triathlon event! Challenge yourself to swim, cycle and run, either on your own or as part of a team relay.

**→ Royal Parks Foundation
Half Marathon
→ 7 October 2012**

Follow an iconic route through four of London's most famous Royal Parks and take in views of Buckingham Palace, the Houses of Parliament, the London Eye, Marble Arch and the Royal Albert Hall.



**→ Run to the Beat
→ 28 October 2012**

Love music and running? Then this is the event for you. With 17 live music stages and 12,500 competitors, get ready to run to the beat.

**→ New York Marathon
→ 4 November 2012**

Pass through New York's five boroughs, including Brooklyn, Manhattan and Queens, and experience over two million spectators cheering you and the 30,000 other runners from start to finish.

**→ Inca Trail Trek, Peru
→ 10–19 November 2012**

We still have places left on this life-changing 10-day trek starting in Cusco, ancient capital of the Inca Empire! Wind your way through forests, into the Sacred Valley, and across sky-scraping mountain passes, as you journey towards Machu Picchu.

**→ Kilimanjaro Trek 2013
→ 7–17 February 2013**

Join us as we take on the challenge to climb Africa's tallest mountain. Standing at 5,895m, it's also one of the highest volcanoes in the world!

**→ Virgin London Marathon
→ April 2013**

Be a part of the world's most famous marathon. Apply for one of our guaranteed places now!

For full details about any of our challenge events, please get in touch:

Visit www.gosh.org/challenges

Call 020 7239 3164

Email challenges@gosh.org

**Sign up
now!**

Challenge yourself

Join our team and take on a life-changing overseas adventure.

Inca Trail Trek 10–19 November 2012

Mount Kilimanjaro 7–17 February 2013

Visit www.gosh.org/trek

Call 020 7239 3164

Email challenges@gosh.org

Sign up
today!



Shop and support



Creature comforts

Meet our newest member of staff, nurse bear. Her speciality is to bring comfort through cuddles. Available to order from August 2012.



Coming soon

£12



From £20

Brand new

Take a look at our great new clothing range for children and adults. In a multitude of colours, our hoodies feature the charity's logo, or the chic, retro 1852 style celebrating the year the hospital opened its doors.



From £5

Back to school

Perfect for gym kits or carrying books, our lovely, colourful drawstring bags are perfect to pack them off to school.



From £1

Affordable essentials

We have lots of great gifts and products that feature the charity logo so that you can show your support to the world. From diaries and pens to bags, umbrellas, mugs, tea towels, jigsaws and more!

Save 10%

Early bird discount offer

Our brilliant range of Christmas cards for 2012 will be available from July, with more than 20 designs available. In an exclusive offer to our supporters, *Lifeline* readers are offered 10 per cent off all Christmas cards during the month of August 2012. Simply enter the code LL12 at the checkout.

100%
of profits from
all sales support
the charity

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