

NEURO  
MUSCULAR  
BRAIN INJURY  
STROKE EPILEPSY  
DEMENTIA TUMOUR  
PARKINSON  
MIGRAINE  
SPINAL  
MULTIPLE  
SCLEROSIS

1 IN 6 PEOPLE IN  
THE UK  
HAVE A  
NEUROLOGICAL  
DISORDER



12.5 M  
PEOPLE ARE AFFECTED  
BY A NEUROLOGICAL  
DISORDER →

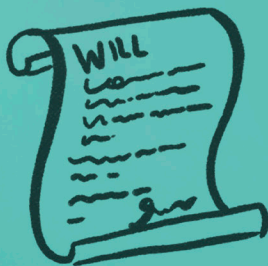


That's more  
than those  
affected by  
cancer,  
diabetes,  
and coronary  
heart disease  
combined



232

People took  
on a fundraising  
challenge for us  
last year!



40%

of our funding  
comes from legacies

**The National Brain Appeal** raises funds to advance treatment and research at The National Hospital for Neurology and Neurosurgery and The Institute of Neurology, together known as 'Queen Square'.

Our vision is to improve the outcome and quality of life for the **one in six** affected by a neurological condition. We do this by funding pioneering research, providing access to the best technology for expert diagnosis and treatment, and training tomorrow's leading clinicians.

We have grouped our funding into **six distinct areas** so that you can clearly see the impact of your donations. Turn the page to meet just some of the people who have benefited from your generous support.

## Queen Square

The National Hospital and The Institute of Neurology are centres of excellence



Luke De Souza

“Being a patient is tough. I hated being in a hospital gown all the time, but it was too painful to dress”

When I had to spend time in hospital, most of it was confined to my bed. For the first few days after the operation I was in a lot of pain. It was important to get up and get mobile, but when I was encouraged to do so, it was almost impossible to get my normal clothes on. I couldn't bend my legs to fit into trousers at all. Instead, I stayed in my hospital gown, which at least did not restrict my walking – but it wasn't great for my dignity either.

When I heard The National Brain Appeal had given a Small Acorns grant to trial 'adaptive clothing' it sounded pretty clever. The new clothing is easy to put on patients, who are, like I was, fairly immobile – and include soft, comfortable T-shirts and trousers which fasten at the sides. It means there's no tiring, stressful and painful dressing before therapy starts. I am really pleased that patients will now be able to benefit from this new idea. I wish it had been around when I was in hospital.

### This funding area

The National Hospital in Queen Square is one of the world's leading centres for the diagnosis, treatment and care of patients with neurological and neuromuscular conditions.

The Institute of Neurology has a world-class reputation for neuroscience. Its mission is to translate neuroscience discovery research into treatments for patients with neurological diseases, including stroke, multiple sclerosis (MS), brain cancer, epilepsy, Parkinson's disease, and dementia among many others.

In 2013 we created the Small Acorns Fund to give staff a chance to apply for funding to fast-track smaller scale projects that have a big impact on patients. Our aim is to raise £30,000 a year so we can respond effectively and quickly to projects ranging from £500-£10,000 at The National Hospital and The Institute of Neurology.



Institute  
of  
Neurology

WORLD LEADER

in neuro  
research



186,000

Patients seen last  
year at the National  
Hospital



THE  
NATIONAL  
HOSPITAL

IS

157 YEARS OLD

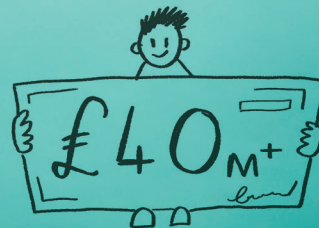
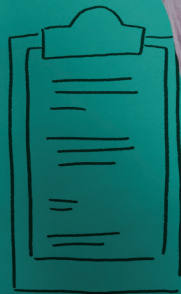


NATIONAL AND  
INTERNATIONAL  
SERVICE

41

Projects funded  
at Queen Square  
by Small Acorns  
Fund since

2013



Worth of projects  
funded so far

## Neurodegeneration

A range of conditions affecting the neurons in the brain



Mark Bentley

“It was a huge shock when my wife Marie was diagnosed with progressive semantic dementia”

Looking back, we now realise that Marie was having symptoms for a few years. She would forget people’s names or the names of things such as vegetables. We had even made a joke of it, not realising that these were symptoms of a disease.

We’ve had good support and advice right from the point of diagnosis. It has helped us adjust our day-to-day lives to make sure that Marie can be as independent as possible. Meeting other people who are going through similar experiences is so helpful. What is happening is frightening, but we have good access to support.

I have seen how the money The National Brain Appeal raises goes directly into supporting people like my wife. They are a fantastic charity – that’s why this year I ran the London Marathon for the Rare Dementia Support Fund and raised nearly £7,000. I’m just happy to be able to give something back.

### This funding area

Neurodegenerative conditions are often incurable, debilitating and result in progressive degeneration and/or death of nerve cells. They include Alzheimer’s disease and other dementias, Parkinson’s disease, prion disease and motor neurone disease.

We have funded a number of projects in this field including the creation of the Dementia Research Centre. We also fundraise for Rare Dementia Support, with the aim of increasing the number of specialist support group services for people living with, or affected by a devastating rare dementia diagnosis.

UNDER  
↓ 65 YRS

is when most  
rare dementias  
are diagnosed

850,000

People in the U.K. have

DEMENTIA



£150K

a year raised to  
support patients  
and families

× 3,500

Patients a year  
are seen in the  
Centre for  
Neuromuscular  
Diseases

5 TYPES  
of rare dementia



The most common  
form of dementia is

ALZHEIMER'S

WE RAISED  
€1.4M  
TO CREATE IT!





## Neurosurgery

The National Hospital has the largest neurosurgery unit in the UK



Imogen Peverall

“I had a tumour on my spine. I’m so lucky – the surgery was a success and two years on, I’m still in remission”

In May 2014 I began to get sore muscles at the top of my back. Later this developed into excruciating nerve pain. I went to A&E many times, but doctors thought it was just a trapped nerve. After a few months, the pain was unbearable and my legs were so weak I was in a wheelchair. I went to A&E again, and this time had an MRI. That was when they found a large tumour at the top of my spine. The condition was a form of bone cancer called Ewing Sarcoma.

I needed surgery and chemo. My surgeon at The National Hospital explained that the operation carried a high risk of paralysis in my left arm, due to the location of the tumour. My surgery had to be done in two stages. First the tumour was detached from a major blood vessel and then, a week later, it was removed. It was successful! I was so lucky because my arm wasn’t affected either. Now I am walking, and even running like I used to. The new spinal theatre will give many more patients like me the chance of successful treatment. I owe everything to the surgeons, doctors and nurses in Queen Square – without their help I wouldn’t be here today.

### This funding area

The National Hospital is renowned as a centre of neurosurgical excellence. The unit provides a local, national and international service for specialised neurosurgical problems such as epilepsy, Parkinson’s disease, movement disorders and pituitary tumours.

We are currently raising £500,000 to double the size of the Molly Lane Fox Unit – a beacon for specialist care aimed at increasing survival rates and improving quality of life for adults with brain tumours. It will be in use by autumn 2017.

In addition, as part of a major £23m upgrade of the existing theatres at The National Hospital, we raised £4m to fund the creation of a new Complex Spinal Theatre, along with a new ward, and offices for neurosurgeons. The new theatres will be in use by summer 2017.



**N.1**

**KILLER**

of under 40s in  
U.K. -

**Brain Tumours**

**£4m**

raised for  
new complex  
Spinal theatre



**x87** people

diagnosed with  
**EPILEPSY**

in the U.K.  
**EVERY DAY**



**1<sup>ST</sup>**  
Brain Tumour  
unit in the U.K.



Deep brain  
Stimulation  
can fix  
**TREMORS**

**DOUBLING** in size  
this year

Surgery can  
**STOP**  
seizures



## Neurology

Damage to the brain, spinal column or nerves causes neurological conditions



Anna Maini

“I had a stroke and was given a ‘thrombectomy’. Three days later I was walking. It’s miraculous”

I was working from home the day I had my stroke. A friend had dropped round for lunch and said, ‘You look so unwell and you’re dribbling’. I’d become very confused, so she called for an ambulance. My face was drooping by this point and my speech had become slurred.

At UCLH I was put on clot-busting medication. Then I was moved to The National Hospital because they wanted to try to get the clot out through the artery in my groin – called a thrombectomy. The whole thing took about 40 minutes in total. The only thing I felt was the flush as they got the clot out – like a warm sensation in my brain.

Within a couple of hours I was speaking clearly again, and my face started feeling better too. Quite quickly I got the control back in my arm and leg. A few days after that and I was walking again! I know many people have strokes and don’t get their function back at all. Instead, I’m going back to work next week – I’m so grateful.

### This funding area

People can be affected by neurological disorders from birth or as a result of injury or illness. Many are life threatening, most of them severely affect people’s quality of life and many cause life-long disability.

The conditions that fall under this category and which are treated at The National Hospital include multiple sclerosis (MS), epilepsy, and mitochondrial diseases, among many others.

Our current major appeal is to raise £1.5m to create a new interventional neuroradiology service for stroke at Queen Square. This will improve the prospects for many stroke patients, reducing disability and helping many more back to leading normal, everyday life.

# LARGEST

NEUROLOGICAL HOSPITAL IN THE U.K.

NEUROLOGY DEALS WITH  
**DAMAGE**  
TO BRAIN,  
SPINAL COLUMN OR NERVES

1 IN 6

PEOPLE HAVE A  
NEUROLOGICAL  
CONDITION



1.5M

CURRENT  
APPEAL TO  
IMPROVE  
STROKE CARE

4<sup>TH</sup>

BIGGEST  
CAUSE OF  
DEATH IN  
THE U.K. IS  
STROKE



1M

PEOPLE IN THE  
U.K. ARE DISABLED  
BY THEIR NEURO  
CONDITION





## Technology and Innovation

To enable faster diagnosis, more effective treatments and better outcomes



Mindaugas Saparnis

“I had a brain tumour successfully removed during ‘awake’ surgery. I’m now free of seizures”

When my surgeon said that I was going to be awake during my operation, naturally I was a bit concerned. He explained that I would be scanned throughout using the IMRI scanner – this means that they can be as accurate as possible.

To make sure the areas of my brain responsible for language were not affected by the operation, they carried out ‘language mapping’. I had two translators in the theatre speaking in English and Lithuanian – since that is my mother tongue. They would ask me questions as they approached my language centres so they could map the correct ‘path’.

The procedure was a success – it took 12.5 hours but they removed 95% of my tumour. I appreciate the effort that the doctors put in to help me. Since the operation, my memory has been slightly affected, but this is improving all the time. I love life without seizures. I hope treatments will continue to improve and there will be even more advanced options available.

### This funding area

To maintain Queen Square’s reputation as a pioneering centre of neurology, it’s essential to invest in cutting-edge technology and innovation. We fund large-scale projects such as The BrainSuite, which is a combined system of Operating Room tools. It provides surgeons with instant real-time scanning in the operating room, reducing re-operation and recurrence rates.

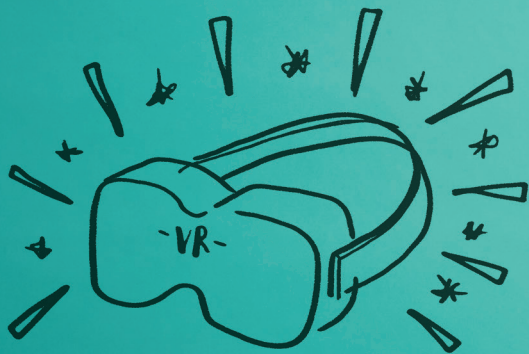
We also raised £1.3m for the Neuroimaging Analysis Centre, which supports the review of imaging of over 40,000 patients per year. Smaller technological projects are important too, and we have helped to fund iPads that can be used to inform patients visually about procedures, including lumbar punctures, and for clinicians to assist with patient flow and discharge, along with apps to support speech therapy.



40,000  
PATIENT SCANS  
REVIEWED EACH  
YEAR



FUNDS PATIENT  
iPads for  
INFORMATION  
AND THERAPY



VIRTUAL REALITY  
THERAPY PROJECT  
AIDS STROKE  
PATIENTS  
@ QUEEN SQUARE



€1.3M

RAISED TO  
CREATE THE NEUROIMAGING  
ANALYSIS CENTRE



€6M RAISED  
FOR BRAIN SUITE  
AND IMRI  
SCANNER

IMPROVING  
SURGICAL  
SUCCESS



## Education and staff development

Investing in training and education is crucial for the future



Mica Clarke

“I was delighted to win the prize for best student. My dream now is to head up my own research team”

I couldn't believe my ears when our course leader told me I had won the Haymon Gorlov prize. It is awarded to the student with the highest mark over the course of the year on the Msc Clinical Neuroscience course. I was shocked and delighted that it was me! I was awarded the prize under the name of my research project: 'The cognitive profile of Motor Neurone Disease'. At the annual address I was honoured to not only receive the award, but also receive a prize of £500.

I used the prize money to buy study software for my laptop and also to help cover the costs of attending clinical conferences. It was a real milestone and gave me a huge motivational boost. It makes you feel the work you are producing as a student is appreciated. Right now I am studying for my neuroscience PhD and looking at the rarer dementias at a molecular level. I would love to head up my own research team one day, or do a post-grad in medicine and become a clinician.

### This funding area

Our aim is to help Queen Square maintain its reputation as an international centre of neurological excellence.

We fund research fellow posts, award prizes to outstanding students at the Institute of Neurology, and have enabled the redevelopment of the Rockefeller Medical Library, which marked a real turning point by providing on-site training facilities, a purpose-built archive and a museum. The library now gets more than 40,000 visits from students, researchers and clinicians each year.

£500,000

raised for  
a new library



40,000

people  
use the  
library



200

Medical students  
each year  
at Queen Square

70 Junior  
doctor  
training  
posts at  
NHNN

RESEARCH  
is  
CRUCIAL!



The National Hospital  
is renowned for

TEACHING



WE FUND  
RESEARCH  
FELLOWS  
AND PHD  
STUDENTS

*lead*





# Thank you!

## Some of our 2016-2017 fundraisers

1. Alexis Alexandrou ran the NY marathon and trekked the Great Wall of China
2. A team of 14 took part in the Santa Run 2016
3. Wedlake Bell chose us as its Charity of the Year
4. Hannah Osmond Smith swam across Lake Windermere
5. Headliner David Baddiel held a charity gala performance of his comedy show
6. Our annual carol concert was a big success, raising £6,000!
7. Cychoycle held a Pyjama Party spin class
8. Artist Grayson Perry created an artwork for our fundraising art exhibition, A Letter in Mind

We are privileged to have a fantastic array of supporters, which means we can continue to support The National Hospital and the Institute of Neurology with building, research, and patient-focused projects.

From grateful National Hospital patients, who look up after treatment in Queen Square, to regular givers and companies who choose us as their Charity of the Year, we are extremely fortunate to have such passionate supporters. And let's not forget those of you who take on challenges, such as treks, marathons, swims, cycling or come up with your own crazy fundraising ideas – we thank each and every one of you for your support. It makes everything we do possible.

We also want to say a big thank to the generous grant-making trusts including: A B David Charity, Ambrose and Ann Appelbe Trust, Blyth Watson Charitable Trust, Bircham Dyson Bell Charitable Trust, Catherine Cookson Charitable Trust, Consuelo and Anthony Brooke Charitable Trust, Donald Forrester Charitable Trust, Englefield Charitable Trust, G & K Boyes Charitable Trust, Joseph Strong Frazer Trust, PF Charitable Trust, Philip Oppenheimer Foundation, Sir Jules Thom Charitable Trust, The Dromintee Trust, The Foyle Foundation, The Stanley Grundy Foundation, The Swire Charitable Trust, The Tory Family Foundation, William Allen Young Charitable Trust and Woodroffe Benton Foundation.





## Donation form

To make a regular donation by Direct Debit please go to:  
[nationalbrainappeal.org/regular-donation](http://nationalbrainappeal.org/regular-donation)  
or call the office on 020 3448 4724

I enclose a donation by debit or credit card/cheque  
(please delete as applicable and tick appropriate box):

£20    £50    £100    my own amount   £ \_\_\_\_\_

Please make cheques payable to The National Brain Appeal

### Gift Aid *giftaid it*

You can make your donations worth 25% more to people with neurological conditions – simply tick, sign and date below.

Yes, I want to Gift Aid my donation of £ \_\_\_\_\_ and any donations I make in the future or have made in the past four years to The National Brain Appeal.

I am a UK taxpayer and understand that if I pay less Income Tax and/or Capital Gains Tax than the amount of Gift Aid claimed on all my donations in that tax year it is my responsibility to pay any difference.

Please let us know if you want to cancel this declaration, change your name or home address or no longer pay sufficient tax on your income and/or capital gains. Thank you.

Signature \_\_\_\_\_ Date \_\_\_\_\_

No, I am not a UK taxpayer



## Donor's details

Title \_\_\_\_\_ First name \_\_\_\_\_ Surname \_\_\_\_\_

Full home address \_\_\_\_\_

\_\_\_\_\_ Postcode \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

## Donation by Debit or Credit Card

Name \_\_\_\_\_

Card number

Expiry date \_\_\_\_/\_\_\_\_ Security/CVV code (last 3 digits) \_\_\_\_\_

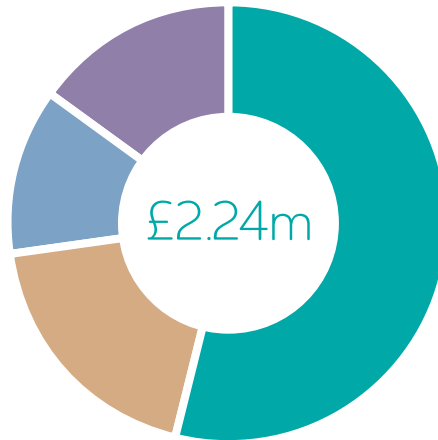
**Please complete the form and return with your donation to:**

The National Brain Appeal, Box 123, Queen Square, London WC1N 3BG

T 020 3448 4724  
F 020 3448 3698  
info@nationalbrainappeal.org  
nationalbrainappeal.org

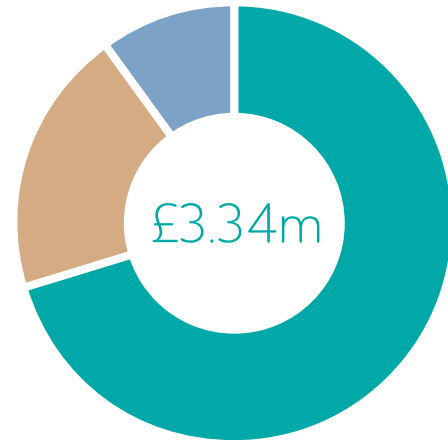
The National Brain Appeal is the  
working name of The National  
Hospital Development Foundation.  
Registered Charity Number 290173

## Financial Summary 2016–17\*



### Income

- 35% Donations (£797k)
- 30% Legacy and in memoriam (£669k)
- 19% Other (£425k)
- 16% Challenge events (£357k)



### Expenditure

- 83% Charitable expenditure (£2.77m)
- 12% Overheads including governance and salaries (£404k)
- 5% Fundraising activities (£157k)

\*Unaudited accounts for 1 April 2016 to 31 March 2017.  
Audited accounts will be available in autumn 2017.

**The National  
Brain Appeal**  
Funding advances  
in neurology and  
neurosurgery

NEURO  
MUSCULAR  
BRAIN INJURY  
STROKE/EPILEPSY  
BRAIN TUMOUR  
DEMENTIA/PRION  
PARKINSONS  
MIGRAINE  
SPINAL  
MULTIPLE  
SCLEROSIS



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 @BrainAppeal  
 TheNationalBrainAppeal

The National Brain Appeal is the working name of  
The National Hospital Development Foundation.  
Registered Charity Number 290173

You can also make a donation by visiting our website:  
[nationalbrainappeal.org/donate](http://nationalbrainappeal.org/donate)

#### Our team

Theresa Dauncey, Chief Executive.  
Marcelle Johnson, Head of Fundraising  
and Communications.  
Leigh Stanger, Finance Manager and  
Executive Assistant to the Chief Executive.  
Brooke Parsons and Laura Dowling,  
Fundraising Co-ordinators.  
Louise Fowler and Eva Tait, Fundraising  
Managers, Rare Dementia Support.  
Cara Lavocah, Writer & Social Media Manager.  
Tina Somorin, Administrative Assistant.

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