

Creating a New Field of Medicine in the 21st Century

2016



Pushing boundaries

In this issue we celebrate the team work that is enabling us to give patients back their lives. This revolutionary stem cell research programme is pushing boundaries by opening a pioneering compassionate treatment centre, the first of its kind in Europe.

THE FACTS – Why this dream must become a reality...

- Every **three minutes** a person dies of a heart attack in the UK
- Coronary heart disease is responsible for almost **74,000 deaths** in the UK each year
- Over **500,000 people** are living with heart failure
- Approximately **188,000 people** in the UK will suffer a heart attack this year
- There are just under **1 million people** living in the UK who have had a heart attack
- Stem Cell Therapy could **restore damaged heart muscle** and in so doing improve the quality of a patient's life



revolutionary treatment

The Heart Cells Foundation, at Barts Health NHS Trust, is funding the pioneering research and development of a revolutionary and potentially life-saving treatment that uses a patient's own adult stem cells to repair the heart. Helping those with heart disease, whether they have suffered a heart attack or have developed a weak heart for other reasons.

The Trials

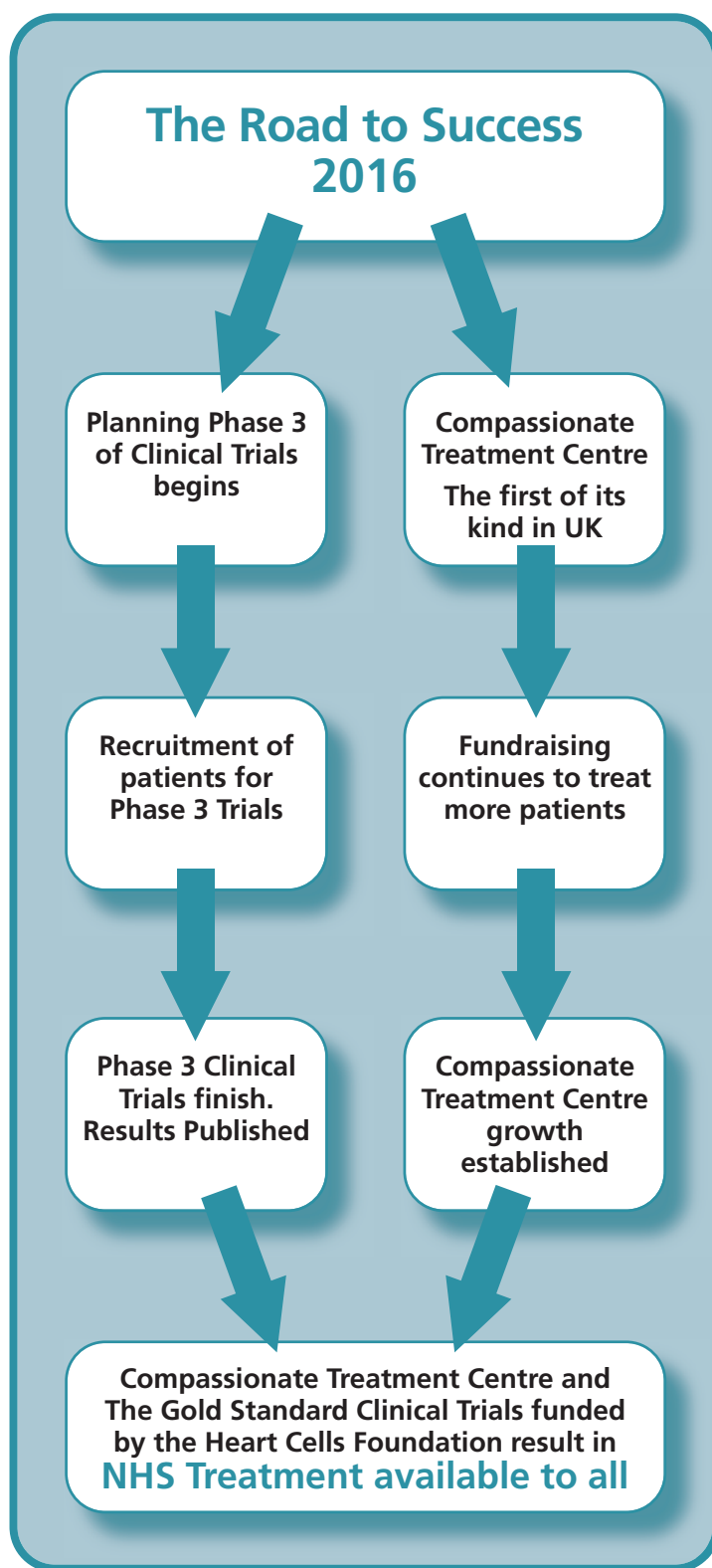
REGENERATE-IHD, REGENERATE-AMI, REGENERATE-DCM and BAM I .

Trial 1 – Regenerate IHD, treated patients suffering from heart failure from Ischemic heart disease. The trial has now finished recruitment and follow-up. We have received extremely positive feedback from patients who have felt a marked improvement in their health and everyday lives. We have analysed the data and it has shown positive results towards patients treated with stem cells. Currently awaiting publication of these results in medical literature. Setting up a Compassionate Unit to offer treatment to patients suffering with a similar condition.

Trial 2 – Regenerate AMI, treated patients within 24 hours of suffering a heart attack. Now analysed the data and hope to publish these results soon in medical literature.

Trial 3 – Regenerate DCM, treated patients with congenital and inherited heart failure. The results, which we are in the process of publishing in the medical press, have shown a positive benefit for patients treated with stem cells over those treated with a placebo.

Trial 4 – BAM I, the biggest and most ambitious trial to date funded by the European Union as a result of the Heart Cells Foundation trials. Recruiting 3000 patients from across the UK and Europe. Similar to the criteria of the Regenerate AMI trial, the BAM I trial is treating patients who have recently suffered a heart attack, injecting stem cells into the heart a couple of days later.



Heart Cells Foundation Timeline

2004

Heart Cells Foundation began fundraising at Mansion House.

Trial 1

The first stem cell trial to be ethically approved in the UK.

2005

First trial patient recruited to a stem cell trial in the UK.

2007

Trial 2
Receives ethics approval.

2008

Trial 2
First patient recruited.

2010

Trial 3
Receives ethics approval and recruits first patient.

2011

Trial 1
Recruits last patient.

2012

Trial 3
Recruits last patient.



Professor Anthony Mathur
*Director Interventional
Cardiology Barts Heart Centre*

*Head of the Barts Heart
Centre Compassionate Cell
Therapy Unit*

**Dear Heart Cells Foundation
Supporters**

With more than 1 million people suffering with heart failure in the UK the need for new treatment is increasing. This year sees the achievement of a significant milestone in our programme – the opening of the first Compassionate Cardiac Cell Therapy Unit in an NHS Hospital. Thanks to the support of the Heart Cells Foundation and Senior Managers at the Barts Heart Centre, my team and I are very excited to be planning the treatment of our first patient in this new unit this summer.

Whilst we focus on initiating the compassionate cell therapy unit we continue to work on the next phase of the research which involves designing and funding a large clinical trial – the success of which is needed to seek final regulatory approval along the path to adoption as a recognised treatment here in the UK.

Thank you again for making this all possible and improving the lives of our patients.

Yours sincerely

Professor Anthony Mathur

STOP PRESS!!!

Compassionate Treatment Unit – The first of its kind

2016 will see the opening of a new and revolutionary Compassionate Treatment Centre for Heart Disease funded by the Heart Cells Foundation.

The dedicated Stem Cell Unit is the only unit in the country to treat patients with heart disease based on compassionate grounds using their own Stem Cells. Each patient will spend approximately one week in the unit.

The compassionate treatment centre is possible because of the Heart Cells Foundation research programme which has been in place over the last 12 years and the outstanding results achieved having treated over 300 patients.

BAMI – European Update

The World's Largest Adult Stem Cell Heart Attack Trial

BAMI as a result of the Heart Cells Foundation Trial currently has 29 hospitals actively recruiting patients on the study across 8 countries in Europe, 2 in the UK and soon to begin in Switzerland. BAMI is the largest study ever conducted in the field of regenerative medicine.



Q So What Are Stem Cells?

A Stem cells are the body's master cells. They are unique because unlike other cells they can turn into almost any other type of cell in the body. Adult stem cells are thought to be the body's natural repair system.

The Trials – Adult Stem Cells

Adult stem cells have been injected into patients with heart failure as well as those who are having a heart attack to see whether the damage caused by these conditions can be reversed.

Barts Cardiology are not carrying out any research with Embryonic Stem Cells.

2013

Trial 4
BAMI starts recruiting – finishes in 2018.

Trial 2 recruits last patient.

2014

Trial 1
Ends 2 year follow up of all patients.
Trial 4
First patient treated in London filmed by the BBC.

Patient Gathering at The London Chest Hospital.

2015

Trials finished.
Results submitted for publication.
Planning Phase 3 begins.

2016

Compassionate Treatment Centre launched.
Placebo patients treated.
Fundraising for the final phase of Trials begins.



a dream becoming a reality...

Dear Friends

The success of our research programme continues to go from strength to strength. The drive to raise funds is as strong as ever, based on the success of Phase 1 and 2 of the Trials, with your support we are now progressing to fund Phase 3.

The Heart Cells Foundation has the full support of St Bartholomew's Hospital and we find ourselves in 2016, joining with Barts Heart Centre to open a dedicated facility located in the state of the art Cardiac Unit treating compassionate patients. During the last few months I have visited the hospital and met with Professor Anthony Mathur and Louise Crosby, Director of Nursing along with Dame Esther Rantzen to see where we will be treating patients as a result of our research programme.

Barts Hospital maintains a distinguished medical and nursing tradition and history is repeating itself in the present day. Dating back as early as 1658 the names

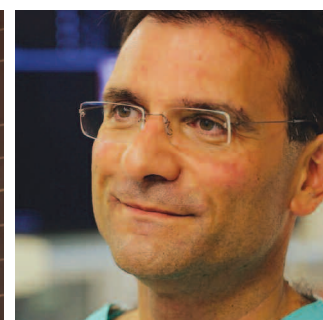


Founder
Ian Rosenberg

of supporters with foresight and vision are shown on plaques on the wall in The Great Hall situated in the hospital grounds. Continuing this vision The Heart Cells Foundation supported by you is funding our groundbreaking research, which is resulting in saving the lives of patients with Heart Disease and creating a new field of medicine in the 21st Century.

Ian's dream to ensure this treatment is available to all on the national health is becoming a reality. We look forward to raising more funds to ensure this happens.

Jenifer Rosenberg OBE
Chairman of the Heart Cells Foundation



A commitment to excellence

Barts Heart Centre opened in May 2015, this is now the largest cardiac unit in the UK and one of the largest in the world. We are housed in state of the art facilities within the St Bartholomew's Hospital estate – bringing the most modern equipment and facilities to the oldest and most distinguished hospital in Europe, helping heart patients to get the best possible treatment as fast as possible.

At Barts Heart Centre we are committed to develop innovative ways of helping patients with heart muscle damage and heart failure.

We fully support the aims and ambitions of the Heart Cells Foundation and are incredibly grateful for the support and funding you have given to Professor Mathur and his wonderful team over the last few years. We know what a difference it has made to the lives of our patients.

With your help, we will make sure that the groundbreaking compassionate cell therapy unit funded by the Heart Cells Foundation here will achieve the success our patients deserve.

Professor Charles Knight
Managing Director
St Bartholomew's Hospital





James Cross

A story about saving my heart. My name is James Cross, and I am 56 years old. I run a landscaping business with my family. I look at life entirely differently now. I have been given a second chance of life.

During a normal day, I suddenly started to feel unwell. It felt like acute indigestion. Never for a moment was I prepared for what was about to happen. I arrived at the hospital and I was told I was having a heart attack. I was immediately transferred to the London Chest Hospital and there my journey began. By this time all my family were by my side, I kissed them all and said goodbye as I did not know what was going to happen. The stem cell team came to see me about this amazing new treatment. It was an opportunity I could not miss. I was being given a chance to live life well. To use my own stem cells to heal my own heart. Having had this amazing treatment I am thriving and living a wonderful life.



When I finish a show garden I stand back and feel proud of what we have achieved, how must the professors and doctors feel creating this new field of medicine? The supporters of Heart Cells Foundation should feel proud too, as without their help and belief, this treatment would have never been possible.

I now go to the gym 3 times a week, I had never been to a gym in my life before. I still work hard landscaping, I love fishing and watching football and having fun with my family.

Every morning when I open my eyes I thank God for my life and for all the wonderful people who have helped us all. From the bottom of my good heart I say keep supporting the Heart Cells Foundation and thank you.

James Cross

Dame Esther Rantzen

Having been involved with the Heart Cells Foundation since its inception, exciting progress is being made and most importantly life changing progress for patients and their families who previously had no hope.



I had the pleasure of visiting St Bartholomew's Hospital, the new home of the Heart Cells Foundation trials. During my visit, along with Jenifer Rosenberg, the Founder, and Trustee, Stephen James, Professor Anthony Mathur explained the progress of the trials and introduced us to the team who are creating this life changing field of medicine.

A dedicated Heart Cells Foundation Centre will take this crucial work forward saving lives and demonstrating the value of this pioneering work.

However, fundraising is key to this important development and I met some of the dedicated supporters of the Heart Cells Foundation at the Gala Film Night where I introduced the Appeal Film and interviewed James Cross, a patient of the BAMT Trial. James is living proof of the life-saving impact that this exciting and innovative work can have in saving lives like his.

To the supporters of the Heart Cells Foundation I would like to say thank you and congratulations on your vision and commitment. Together we can enable Professor Mathur and his team to save countless lives in the future.

Graham Parker – The Success Continues

Having been part of the Heart Cells Foundation Trials, I am now in the final year of my archaeology degree which I am studying at Durham University. My dissertation is concentrating on first World War Memorials in the Tyne Side Area. I have finished now at the Binchester dig which you see me pictured in here. After my degree is finished I plan to begin creative writing and hopefully get some fiction published. I am maintaining my health and live an active lifestyle which I never thought possible with plenty of nordic walking and fresh air, which is just the ticket!



Please visit

heartcellsfoundation.com

to watch our latest film
'Creating A New
Field of Medicine
in the 21st Century'



Cookery Lunches

Supporters of the Heart Cells Foundation have once again joined us in stunning homes around London to share with us the culinary delights demonstrated by our inspiring chefs. 'Healthy and Seasonal Choices' from Gregory Schaad-Jackson, were followed by 'Moroccan Choices' from Lisa Roukin and we were then guided to be 'Honestly Healthy' by Cindy Caplan.



Away Day

The Sarikhani collection proved to be a jewel in the crown. We were delighted to have unveiled before us the story of Persian Art through a myriad of art objects from 3rd millennium BC to the 18th Century. This was then followed by a superb Iranian Lunch hosted by Mrs Sarikhani in her country home.



Golf Day at Coombe Hill 14 May 2015

Donning their Heart Cells Foundation Golf Caps the challenge began and proved to be an outstanding day of golf. Suffering heavy rain the intrepid teams played exceptional golf on the beautiful course at Coombe Hill in Surrey.

Owen Palmer, one of our patients who joined us for a second year, was delighted to have improved on last year.

A superb lunch, generously sponsored by Peter Cruddas, was served and the prizes were presented by Jenifer Rosenberg OBE. There was much celebrating when Roger Shine got a hole in one.

This is a key event in the fundraising calendar. We look forward to revisiting Coombe Hill. Brush up your putters and join us.





Annabelle, Peter and Fiona Cruddas



Peggy Brett, Susan James, Claire Kasfiner, Jenifer Rosenberg OBE, Louise Naftalin, Philippa Bradley, Antoinette Soring, Rosemary Davis, Lady Young of Graffham



Lady Estelle Wolfson, Michael Feldman and Patsy Bloom



Ian and Susan Grant



Peggy and Paul Brett



Michael and Philippa Bradley



Jacky Sinclair



Catherine and Keith Morris

Gala Film Night & Dinner 28 October 2015

Bond was back!!! We celebrated 11 years of the Heart Cells Foundation in spectacular style with a private screening of SPECTRE. We were delighted to share the evening with Dame Esther Rantzen who introduced James Cross a patient from the BAMl trial.

The event raised an outstanding £250,000. The guests watched the new Appeal Film 'creating a new field of medicine' which can be viewed on the Heart Cells Foundation website.



Amrita Jhaveri and Chris Davidge



Soozee and Clifford Gundle



Lloyd Dorfman CBE and Sarah Dorfman



Stephen James, Lady Morven and Sir Michael Heller



Lady Karen Rix and Lord David Young



Lynne Ross, Lynda Rapport, Derek Rapport, Susanne and Jeffrey Nedas



Ruth Amar and Louise Naftalin



Sir David and Lady Jeni Sief



Harold and Nicola Pasha



Edward and Anne Tanner



Susan James, Stephen James and Jenifer Rosenberg OBE



Jonathan and Helgar Lanceley



Throughout the year the Heart Cells Foundation run a series of events, please email Sara Beare at admin@heartcellsfoundation.com to be included on our invitation list.

Cookery Demonstration and Lunch

Held at stunning private homes in London, with guest Chefs full of character and a passion for food. Please visit www.heartcellsfoundation.com for upcoming dates.

Film Festival and Afternoon Tea

Join us for an Art Film and Afternoon Tea at a wonderful location in Central London.

Golf Day

The 12th Heart Cells Foundation Golf Day will take place at Coombe Hill Golf Club.

All Our Hearts Beat As One

A Cindy Lass inspired event. Art created to celebrate the passion of people joining together as one with one unique heartbeat. Your opportunity to purchase bespoke pieces of Art, from a pallet of famous artists.

Gala Film and Dinner

The annual Heart Cells Foundation Gala Film and Dinner is planned for November 2016. The event is the highlight of our fundraising calendar.



Daphne Todd OBE

The CLOSED DRAW was won by Mr Gerald Sklar a supporter of the Heart Cells Foundation. His prize, to be painted by Daphne Todd OBE, one of Britain's most well renowned portraitists who had the distinction of having been awarded First Prize of the BP Portrait Award at the National Gallery. Thank you to all who entered the draw to raise money for Heart Cells Foundation.

Founder

IAN ROSENBERG

Patrons

Anonymous
Barts and The London Charity
Patsy Bloom
Michael and Philippa Bradley
Donatella Campioni de Fillipo
The Charles Wolfson Charitable Trust
Sheila and Stephen Crown
Peter Cruddas
The Doris Pacey Charitable Foundation
Dorset Foundation
Linda and Martin Fell (USA)
The Freed Family
Janice and Peter Gold
Sir Philip Green
Susan and Stephen James
Donald Kahn
Keith and Catherine Morris
Geraldine and Gary Offenbach
Kane Pirie
Cecil Rosen Foundation
Jenifer Rosenberg OBE
Lynne and Nigel Ross
Jane Spack
Nigel Wray
Stephen and Laura Zimmerman

Trustees

Jenifer Rosenberg OBE (Chair)
Stephen James
Adrian Magnus
Prof John Martin
Prof Anthony Mathur
Martin Paisner CBE
Sir Bernard Rix
Prof Martin Rothman
Myra Waiman

Committee

Philippa Bradley
Peggy Brett
Rosemary Davis
Jayne Edwardes
Kaye Finegold
Susan James
Claire Kasfiner
Louise Naftalin
Jenifer Rosenberg OBE
Antoinette Soning
Lady Young of Graffham

Raising Money for Heart Cells Foundation

If you or your family would like to hold an event or be sponsored for a sporting challenge – let us know and we will update our followers on our website and Facebook – we can link your event on our website in order that your supporters may donate directly to the Heart Cells Foundation.

HOW TO DONATE

Heart Cells Foundation relies solely on your individual or corporate support. Whether you simply want to make a donation or help organise a fundraising event, there are lots of things you can do to help us achieve our goal.

Sign up for Gift Aid and Heart Cells Foundation can reclaim 25% of the value of your donations. As a donor you may be eligible for further tax relief on your donation. You can now donate using a Credit or Debit Card on our website.



Heart Cells Foundation, Suite 11, Accurist House, 44 Baker Street, London W1U 7AZ
Telephone: 020 7935 5351 Fax: 020 7487 2634 Email: admin@heartcellsfoundation.com

www.heartcellsfoundation.com

Registered Charity No: 1101727. An appeal for Barts Health NHS Trust – bringing excellence to life.

