



HEART CELLS  
FOUNDATION

newsletter

**Treating Patients, Improving Lives** 2019/20



## **Together We Are Changing The Future...**

The Heart Cells Foundation has created a new field of medicine and with your support is changing the future of the medical world, the future of patients and improving outcomes for future generations. Through this revolutionary stem cell research programme and pioneering Compassionate Treatment Unit we are changing lives.

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

- Today **180 people** will die from coronary heart disease in the UK
- There are around **200,000 new diagnoses** of heart failure every year in the UK
- **Every 5 minutes** a patient is admitted to a hospital in the UK due to a heart attack
- **2.3 million people** are living with coronary heart disease in the UK
- People with heart failure are **2-3 times more likely to have a stroke**
- **Stem Cell Therapy** aims to restore damaged heart muscle to improve a heart failure patient's quality of life

The Heart Cells Foundation, at St Bartholomew's Hospital, part of 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 failure, whether they have suffered a heart attack or have developed a weak heart for other reasons.

## Compassionate Treatment Pathway

Patients may be considered for compassionate stem cell treatment for their heart failure due to either Ischaemic Heart Disease (IHD) or Dilated Cardiomyopathy (DCM) with no further treatment options available.

### How To Access The Stem Cell Treatment

- Referral from a GP or Consultant Cardiologist if patient suffering with heart failure from either ischaemic, congenital or inherited heart disease
- Self Referral, contacting the team directly

### Screening

- In order to assess eligibility for stem cell treatment, the team requires up-to-date medical history.

### Pre Assessment Visit

- Once screened, eligible patients are invited to attend the Compassionate Treatment Unit for pre-assessment to assess suitability. This includes blood tests, a thorough physical examination, ECG and CT scan.
- Results reviewed and patients informed of results.

### Hospital Admission

- Once suitability confirmed, patient is admitted for a 5 day course of a bone marrow boosting drug.
- On the 5th day the patient will have a bone marrow aspiration, this is sent to a specialised lab where the stem cells are harvested.
- The harvested stem cells are injected into the patient's heart a few hours later.
- Patient discharged the day after stem cell injection.

### Follow Up

- 1 and 3 month follow up to check patient progress.
- 1 year appointment for blood tests, ECGs and scans to assess patient heart function.

### Compassionate Treatment Contact

Compassionate Treatment Unit, Cardiac Research Dept., St Bartholomew's Hospital, West Smithfield, London, EC1A 7BE. Email: [bhnt.stemcells@nhs.net](mailto:bhnt.stemcells@nhs.net)



**Professor Anthony Mathur**  
*Director of Interventional Cardiology Barts Heart Centre*

*Director of the Compassionate Stem Cell Unit*

### Dear Heart Cells Foundation Supporters

Stem Cell Regeneration is an emerging field of medicine and as leaders in this field at the Bart's Heart Centre we continue to treat patients in our compassionate cardiac stem cell unit – the first unit of its kind in Europe.

The ability to treat patients, who have no further treatment options, in this unique facility has been the direct result of the support you have given us through the Heart Cells Foundation and it is an incredible achievement. We are now seeing the fruits of our labours with patients coming back to us reporting substantial improvement in their symptoms and quality of life.

Our ultimate objective is to successfully complete the final stages of the clinical trials that will enable the NHS to deliver our stem cell treatment programme as a recognised therapy available to the 800,000 or so patients with heart failure in the UK. This will require a substantial amount of funding. The trials that we have already performed (thanks to your support of the Heart Cells Foundation) suggest that we have discovered the best and most cost-effective method for helping patients with heart disease.

I am confident that with your support for our programme we will be able to continue to improve the lives of patients suffering with heart disease and ultimately establish cell therapy for heart disease as a recognised, freely available treatment for the nation.

Thank you

Yours sincerely



*Professor Anthony Mathur*

## 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.





## STOP PRESS! STOP PRESS! STOP PRESS!

### On The Road To Success!

The world is watching our progress. As leaders in the field of regenerative medicine, fundraising is in full force to ensure that the mission of the Heart Cells Foundation is achieved to enable the revolutionary stem cell therapy, using a patient's own stem cells to repair their heart, is available to all.

The previous clinical trials proved stem cell therapy has a positive impact on patient's lives which in medical terms is a great achievement. Having published the results, the team now needs to demonstrate the impact of the therapy on a larger group of patients alongside demonstrating the ability to roll the procedure out across the NHS infrastructure. The success of this next phase is needed to seek final regulatory approval along the path to adoption as a recognised treatment. We are a long way down the road to reaching our goal.

We have created a new field of medicine and are committed to raising the £8million to complete the work alongside funding the Compassionate Unit to achieve success for patients and their families. The end is in sight and with your support the charity and the team at St Bartholomew's Hospital will fulfil the commitment to achieve success.

### The Trials

Adult Stem Cells were 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.

**Trial 1 – Regenerate IHD** – Treated patients with heart failure due to ischaemic heart disease.

**Trial 2 – Regenerate AMI** – Treated patients within 24 hours of having a heart attack.

**Trial 3 – Regenerate DCM** – Treated patients with congenital and inherited heart failure.

**IHD, AMI and DCM Trials** – Phase 1 and 2 completed. Data analysed and results published in medical literature. Final Planning Phase 3 has begun.

**The Cardiac Research Department at St Bartholomew's Hospital does not conduct any research with Embryonic Stem Cells.**



### Continuing the Commitment to Excellence

Barts Heart Centre at St Bartholomew's Hospital continues to go from strength to strength, treating more patients than ever before. The Centre's results for the national inpatient satisfaction survey showed the biggest improvement in the country, which was a great boost for us. We are also recruiting more patients than ever before into cardiac clinical trials.

The Compassionate Unit within the Heart Centre gives patients the opportunity to be treated in a world class unit at a leading NHS Hospital. The team at St Bartholomew's, under the guidance of Professor Anthony Mathur, is leading the way in the field of regenerative medicine in respect of the heart.

Monies donated ensure patients are being treated now in the Compassionate Unit. With no funding from Pharma companies or government the support of the Heart Cells Foundation is vital to ensure the Phase III Regenerative Trial is completed which ensures the team at St Bartholomew's Hospital stays at the forefront of this exciting field.

**Professor Charles Knight**  
Chief Executive  
St Bartholomew's Hospital



### 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.

**2013**

**Trial 4**  
BAMI starts recruiting – finishes in 2018.

Trial 2 recruits last patient.

**2014**

**Trial 1**  
2 year patient follow up  
**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 Unit launched.  
Placebo patients treated.  
Fundraising for the final phase of Trials begins.

**2019**

Treating patients in the Compassionate Unit, patients showing improved quality of life.  
Final Planning completed of Clinical Trials.  
Fundraising £8 million.

## Dear Friends

The success of our research programme continues to go from strength to strength and we have successfully completed Phases 1 and 2 of our Gold Standard Trials. Now with your continued support we are starting to raise monies to fund the Phase 3 Trial.



The Heart Cells Foundation has the full support of St Bartholomew's Hospital and we find ourselves in 2019 joining with Barts Heart Centre where we have opened a dedicated facility located in the 'state of the art' Cardiac Unit. Here we have treated Compassionate patients who received the placebo from the first trials, and now we are treating patients referred to us throughout the UK.

The Heart Cells Foundation Family supported by you is funding this ground-breaking research, which is saving the lives of patients with heart disease and creating a new field of medicine in the 21st Century.



**Founder Ian Rosenberg**

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*

**Jenifer Rosenberg OBE**

*Chairman of the Heart Cells Foundation*



## Patient Power!



In Spring 2020 I am embarking on a Tour of Britain by motorcycle, fundraising for Heart Cells Foundation. 2 weeks – 14 cities. I need your help! This is my Ride For Life!

My name is David Randle, in March 2016 I suffered a significant heart attack and my prognosis did not make for good reading. I was turned down for heart transplantation as I was deemed not a good candidate and I was told I would not be alive by Christmas 2017. Somehow, I defied the odds and in February 2019 I was treated with Stem Cell Therapy at St Barts Hospital

London through the charity Heart Cells Foundation. I cannot begin to tell you how this has changed my life in such a short period.

The Heart Cells Foundation has given me another chance at life with the research and development of this treatment, so I feel compelled to give something back by raising awareness of the therapy and to give other heart failure sufferers hope that they too may have a future.

A fellow patient, Barry Newman, is joining me to drive the support van. Join us and together we can change the future. If you can give your time, sponsorship, or advertise our journey, please contact the Heart Cells Foundation.







My name is Barry and I became unwell in February 2014 and was diagnosed with severe global heart failure. A virus had attacked my heart. Not a good outcome for a young, fit otherwise healthy clean living boy. My life was just deteriorating.



One evening watching the One Show with my partner Nicki, with not much hope in life, unbeknown to us all our lives were about to be transformed. A VT was being shown on the Compassionate Unit the Heart Cells Foundation were funding and the fantastic success they were having with patients receiving stem cell therapy. We looked at one another with our jaws on the floor. From that day we knew I had to have this treatment.

In November 2018 I was lucky enough to receive this amazing treatment. Since that day I have made a miraculous recovery which continues day after day and I am enjoying my new life to the full.



To be brutally honest it's been a rough 5 years, of which there has been many lows. The absolute massive high is my son, Robert, having gained his degree in aeronautical engineering and been super successful in gaining employment with the Williams F1 team, and just last week I was proud as punch to have a guided tour by my son around the factory accompanied by my Dad.

People say I'm brave to have this procedure, but I'm doing it not only for myself but for the heart patients of the future. I will never be able to thank the charity enough, but from the bottom of my reconditioned heart, THANK YOU.

**Barry Newman, Patient**

Visit [www.heartcellsfoundation.com](http://www.heartcellsfoundation.com) to watch our latest video and where you can also donate and support more patients.

We are creating a **LEGACY** for future generations. Leave a Legacy Gift in your will to ensure this dream becomes a reality.

Hello, my name is Louise, I am 57 years old. In 2012 I suffered two heart attacks. I do believe this was due to stress, as one of my daughters was diagnosed with terminal cancer. I believe it all just became too much.



I was a person that loved life, my job involved running a large team of staff. I lived to shop, travel, and of course loved a party! Sadly, my life changed after the attacks. I was told I could not fly, I was medically retired from work. Walking up a flight of stairs suddenly became impossible.

Some time after the heart attacks, I came under the care of a heart transplant team to monitor my heart. I could feel my quality of life slipping away, my heart was slowly getting weaker and weaker, unfortunately due to my age and other issues it was very unlikely I would be able to receive a heart transplant.

My son-in-law Daniel had been reading extensively about stem cells and their benefits. In January 2018 he accompanied me to one of my appointments with the transplant team to discuss options. My cardiologist said he had heard of a trial going on at St. Barts and would write a letter for me. The next thing I knew I received a call from the Compassionate Stem Cell Team and they asked me to come and meet them. All of a sudden I had hope, it was such a mix of powerful emotions. It all happened so fast. Within a few months of meeting the team and having all of my assessment checks complete, the Compassionate Team called to say I was accepted and the process would begin.

I was scared and excited at the same time, I knew everything would be OK and that Prof. Mathur and his team would look after me. After the procedure, waking up the next day, it was like something was changing inside me, protecting me, it didn't only last a day or so, I felt it for months afterwards. Daniel and Rebecca my daughter joke with me and tell me it's the stem cells going to work, and I truly believe it was.



10 months later, my life has totally turned around. I have travelled; Iceland to see whales, Russia to see palaces. Took my beautiful grand-daughter Amara on her first family holiday to Greece to swim in the sea for the first time. Rebecca and I take her for long walks around the park. I know if it was not for the Compassionate Stem Cell Team I may not have experienced all of these wonderful moments.

I truly believe Prof. Mathur and his amazing team have given me my life back and I intend to live to the fullest. Thank you for reading my story Louise x

**Louise Finan, Patient**





## Film Screening and Afternoon Tea

4 June 2019

A private screening featuring, 'Halston' a fashion icon who lived the American Dream. The film gave us an insight into the biggest gamble of this talented designer's life.

Following the film about the legendary Halston, the supporters of the Heart Cells Foundation enjoyed a delicious Champagne Afternoon Tea.



## Ambassadors Lunch Hosted by H.E. The Ambassador of the Argentine Republic

14 May 2019



## Golf Day at Coombe Hill

11 June 2019

A spectacular day of Golf was had by all. Players fuelled with a delicious breakfast, sponsored by The Cecil Rosen Foundation, were set on their way to a competitive 18 holes. Our thanks to Max Steinkopf and Benross Golf Ltd for sponsoring the golf balls.

The good weather ensured the golfers enjoyed Coombe Hill in Surrey, which provided a challenging course, and superb lunch, which was kindly sponsored by Peter Cruddas.

We were delighted once again to be joined by Owen Palmer, one of the Heart Cells Foundation patients. There were smiles all round from Andrew Jaye and his team for retaining the Trophy.







## Gala Film Night & Dinner 8 November 2018

The screening of 'Widows' began the 14th Gala Film Night in spectacular style. Guests enjoyed Steve MCQueen's empowering thriller with its stunning cast.

Sharing the evening with us were Heart Cells Foundation patients Pat Wilkinson and Jim Cross, who shared their stories and delighted us all with their passion and excitement for life, having received the life changing benefits found in the power of their own Stem Cells to regenerate their heart.



Jenifer Rosenberg OBE, Jim Cross, Patricia Wilkinson



Antoinette Soning, Jayne Edwardes, Rosemary Davis, Susan James, Claire Kasfiner, Jenifer Rosenberg OBE, Louise Naftalin



Philippa and Michael Bradley, Catherine and Keith Morris



Stephen James, Nicky Pasha, Roamie Lambert, Harold Pasha



Valerie West, David Segal, Karen Lewis



Sarah Jane Ewen, Edward Smith, Jenifer Rosenberg OBE



Paul and Peggy Brett



Claire Kasfiner, Katherine Smith



Della Skeates, Susan James



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Patsy Bloom, Lady Irene Hatter, Suzanne Zeitlin



Henry Amar, Sir Michael and Lady Morven Heller, Ruth Amar



Roger Shine, Vivian Robinson QC, Karen Shine



Professor Anthony Mathur, Jenifer Rosenberg OBE



Sir Lloyd Dorfman CBE, Lord Young CH





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

## Bond is Back!

Private Screening **Spring 2020**

## Private Screening and Champagne Afternoon Tea

Join us for a wonderful afternoon at the Soho Hotel, London, W1 for a Private Screening followed by Champagne Afternoon Tea.

**Tuesday 2 June 2020**

## Golf Day

The Heart Cells Foundation Golf Day **June 2020**

## Gala Film and Dinner

The annual Heart Cells Foundation Gala Film and Dinner, the highlight of the fundraising calendar. **November 2020**

## 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](http://www.heartcellsfoundation.com) for upcoming dates.

## Join Us and Together We Can Change The Future

If you would like to host an event for the Heart Cells Foundation or take part in a sponsored event to support the charity please contact

**Sara Beare** on **020 7935 5351**.

### Your Legacy, Patient's Lifeline

Remembering the Heart Cell Foundation in your Will is a perfect way to leave a legacy while ensuring we can continue to develop one of the most important advances in the treatment of heart disease.



*Please Donate!*



### HOW TO DONATE

Heart Cells Foundation relies solely on your individual or corporate support. 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, Facebook, Twitter and Instagram. Heart Cells Foundation will create a page for your supporters to donate. Your support will help us reach 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.

**DONATE NOW USING A DEBIT CARD OR CREDIT CARD ON OUR WEBSITE**

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IAN ROSENBERG

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