

A Modern Day Miracle

2017



Treating Patients, Saving Lives

This Issue celebrates the opening of the Compassionate Treatment Programme which is now treating patients with their own stem cells to regenerate their heart. This revolutionary stem cell treatment is pushing boundaries and described by one patient as a “modern day miracle”.

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

- Every **seven minutes** a person dies of a heart attack in the UK
- Coronary Heart Disease is responsible for almost **73,000** deaths every year in the UK
- Over **1.6 million** men and over **1 million** women are living with coronary heart disease which could lead to a heart attack
- **1 million** men and **600,000** women are living with the after affects of a heart attack
- **25,000** new cases of heart failure are diagnosed yearly
- Stem Cell Therapy could **restore damaged heart muscle** and in so doing improve the patient's quality of life

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.

Compassionate Treatment Pathway – A Patient's Unique Journey

Pre Assessment Visit

- Patients attend the Compassionate Treatment Unit to assess suitability for the stem cell treatment
- Patients undergo blood tests, a thorough physical examination, ECG and CT scan
- Pre-assessment results reviewed

Hospital Admission

- If successful, patient admitted for a 5 day course of 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

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

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 Compassionate Team Directly

Compassionate Treatment Contact

Telephone: 020 7935 9057

STOP PRESS!!!

Revolutionary Compassionate Treatment Programme Using Patient's Own Stem Cells to Repair Their Heart

The revolutionary Compassionate Treatment Programme for Heart Disease funded by the Heart Cells Foundation is now treating patients. The only unit in the UK treating patients on compassionate grounds.

Opened within the renowned St Bartholomew's Hospital, run by Barts Heart Centre, the programme, funded by the Heart Cells Foundation is treating patients suffering with heart disease using stem cells extracted from their bone marrow and injected in to the damaged area of their heart.

The promising results of the regenerative clinical trials in the successful **Stem Cell Research Programme** – led by Professor Anthony Mathur, Consultant Cardiologist and Director of Interventional Cardiology at St Bartholomew's Hospital – has enabled the Heart Cells Foundation to ethically launch the **Compassionate Treatment Programme** and provide the innovative treatment to many more people suffering from chronic heart disease, while the research programme continues in its final stages.

No longer is the concept of heart stem cell regeneration confined to the laboratory.

The Trials

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.

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 of Interventional Cardiology Barts Heart Centre

Director of the Compassionate Stem Cell Unit

Dear Heart Cells Foundation Supporters

It has been another exciting year at the Barts Heart Centre culminating in the launch of our compassionate cardiac stem cell unit – the first of its kind in Europe. Treating our first few patients 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.

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 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



A commitment to excellence

It is now 2 years since the opening of the Barts Heart Centre. Time flies! We have continued to make excellent progress in developing the specialised treatments that our patients deserve. One of the advantages of being the largest Heart Centre in the UK is that we can assemble teams of the right specialists to ensure the very best care.

One specialist area of which we are especially proud is Professor Mathur's stem cell unit. I am delighted that the Compassionate Treatment Programme is treating patients. This is wonderful news for these patients who sadly have no other options for their heart problems. I am hugely grateful for the support of the Heart Cells Foundation in making this possible.



Professor Charles Knight
*Managing Director
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.

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
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.

2017

Treating Patients in the Compassionate Treatment Unit.

Final Planning and Fundraising for Phase 3 of Clinical Trials.

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 the 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 2017 joining with Barts Heart Centre where we have opened a dedicated facility located in the 'state-of-the-art' Cardiac Unit. Here we are treating compassionate patients who received the placebo from the first trial, and then we will be treating patients referred to us throughout the UK.

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.

Founder
Ian Rosenberg

Jenifer Rosenberg

Jenifer Rosenberg OBE
Chairman of the Heart Cells Foundation



Compassionate Treatment Programme Changing Lives



Gordon Foster was just 30-years-old and due to be married, when he suffered his first heart attack. Gordon's self esteem took a devastating hit and his outlook on life became bleak, pushing him into a life altering depression. Determined not to let his poor health affect his daily life, he threw himself into his work as a Welder, despite the ill effect it was having on his health. Gordon received news from his doctor that due to his heart performing badly he was not eligible for a transplant and he was also made redundant.

As Gordon's health declined his cardiologist informed him of the Stem Cell Research Trial funded by the Heart Cells

Foundation, eager to be involved he took part. Gordon was placed in the placebo group and did not initially receive his stem cells. Gordon at 59 was the first person to receive stem cell therapy treatment in the compassionate treatment programme. Within a week of the operation Gordon no longer needed to use his stair lift and his daily tasks became easier. He is now able to spend time with his wife and children in a way that he was not able to do previously.

Gordon Foster said of the treatment: "I will forever be thankful to the Heart Cells Foundation, and the work of the team at St Bartholomew's Hospital, as without them I believe I wouldn't be here today. I'm now able to lead a near normal life, and I'm enjoying every moment I



spend with my wife and children. Not only has the stem cell treatment I received helped to improve my physical health, but it has also massively improved my mental health and I now live every day with hope for the future."



A modern Day Miracle

My name is David Gwinn. I am 73 years old and live in Northamptonshire. I spent my life as an interior designer for offices, working throughout the UK. One of my clients was No. 10 Downing Street and I have also enjoyed refurbishing the Aston Martin headquarters. Having retired a few years ago, I now devote my time to raising money for charities. I look forward to putting my energies and dynamism into raising monies for this wonderful Heart Cells Foundation, who gave me a second chance of life.

Having suffered a heart attack 7 years ago, I arrived at the hospital to be greeted by the stem cell coordinator nurse who asked if I would like to be part of the stem cell trial. Having heard about Stem Cell Organ Regeneration and feeling rather vulnerable laying on the operating table I naturally agreed to accept being treated with my own stem cells with the hope it would regenerate my heart.



4 years later, after being monitored as part of the trials, I was told that my heart had regenerated to 98% of its original function and was as good as new. Today I feel like a man 20 years younger than me, full of energy, tremendous drive and a zest for life.

I was so delighted to join the Heart Cells Foundation Supporters at the annual Gala Film and Dinner. The Heart Cells Foundation and your support has changed my life.

David Gwinn, Patient

Visit www.heartcellsfoundation.com to watch the latest Heart Cells Foundation film "A Modern Day Miracle" where you can also donate and support more patients.

I knew I had been given the magic stem cells?

My name is Charlotte Barker. Four and a half years ago I suffered a heart attack. It was a massive shock as I was active and very fit. I was asked to take part in the Heart Cells Foundation trial in which my own stem cells could potentially heal any damaged muscle. I immediately agreed to participate as it made sense to do something that may help others. At the time I had no idea that this would also help my recovery.



Following the heart attack, I was told that my heart was damaged. I felt frightened and fragile, and that I would be ill for the rest of life.

My physical recovery, with the help of the Cardiac Rehab team, was astonishing. I was convinced that this was also connected to the stem cells. Within a couple of months I was back working out in the gym and I quickly reached my previous fitness levels. I'm now as active as ever, if not more, and I have been told that my heart is functioning normally.

2 years after the procedure I was told that I had indeed received stem cells and not a placebo. This confirmed my belief that the cells had played a part in my amazing recovery.

I was lucky as I was given the opportunity to massively change the future quality of my life. Others may not be so lucky.

Please donate to the Heart Cells Foundation so funds can be raised to make this 'miracle' treatment available to everybody.

Thank you for all your support.

Charlotte Barker, Patient

'Sully' Saving Lives

I was delighted to attend the Heart Cells Foundation Gala evening and premiere screening of the film 'Sully' starring Tom Hanks. I happened to be in New York on the day when Captain Sullenberger 'Sully' landed the US airplane on the Hudson River, a feat which I regarded as incredible. At that time I was Chairman of Lloyds insurance market.



It was agreed to replicate the practice of Lloyd's, 100 years earlier, by awarding a gold medal for having 'saved

lives at sea'. I was delighted to host a dinner in New York to honour Captain Sullenberger at which the Lloyds Medal was presented by HRH The Duke of York.



Having seen the film I contacted Captain Sullenberger afterwards to tell him about the event. The gala evening was most enjoyable and I am delighted to say one which resulted in further funding for the Heart Cells Foundation's revolutionary stem cell programme.

Lord Levene



Film Screening and Afternoon Tea

12 June 2016

A private screening of 'Nothing Left Unsaid' an insight into the world of Gloria Vanderbilt narrated by her son Anderson Cooper.

The supporters of the Heart Cells Foundation 'left nothing unsaid' as they enjoyed a delicious Champagne Afternoon Tea.



Cookery Lunches

The successful series of cookery demonstrations continued in the home of Marcia Green. Silvia Nacamuli shared Cooking For The Soul celebrating her heritage and bringing family food to life.



Golf Day at Coombe Hill

7 June 2016

The shotgun start saw players fuelled with a full English breakfast to set them on their way.

Coombe Hill in Surrey provided a challenging course, stunning venue and superb lunch.

The annual Golf Day brought sunshine and smiles, especially from Stephen Lark's team who were the winners of the day.

The Heart Cells Foundation were delighted to see so many happy competitive golfers and our thanks to all who sponsored a hole.



Gala Film Night & Dinner 9 November 2016

Sully – The Miracle on The Hudson River starring Tom Hanks began our evening in style. Celebrating 12 years of the Heart Cells Foundation, we shared the evening with David Gwinn who entertained everyone with his excitement for life having been treated with stem cells.

Miracles were a common theme of the evening as guests watched the latest Appeal Film "A Modern Day Miracle" which can be viewed on the Heart Cells Foundation website. The event raised an outstanding £300,000.



Lady Young, Lord Young and
Jenifer Rosenberg OBE



Suzette Morris, Susan James, and
Barbara Altshuler



Peggy and Paul Brett, Patsy Bloom



Stephen James and Jeffrey Nedas



David Gwinn, Sarah Thomas and
Nigel Wray



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



Claire and Gideon Kasfiner,
Jenifer Rosenberg OBE



Philippa Bradley, Keith and
Catherine Morris



Sir Michael and Lady Morven Heller,
Hanni Seifert



Stephen Zimmerman,
Jenifer Rosenberg OBE, and
Professor Anthony Mather



Sarah Glyn, Antoinette Soning and
Perry Field



Karen and Roger Shine



Donatella Campioni and
Manfredi Campioni



Stephen Zimmerman,
Jenifer Rosenberg OBE, and
Professor Anthony Mather



Racheline and Clive Garston



Morris and Susan Bentata



Linda and Nigel Wray



Susan James and Adele Goldstein



David Gwinn, Jenifer Rosenberg OBE,
Stephen James



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.

Golf Day

The Heart Cells Foundation Golf Day at Coombe Hill Golf Club.
Tuesday 6 June 2017

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 13 June 2017

Gala Film and Dinner

The annual Heart Cells Foundation Gala Film and Dinner the highlight of the fundraising calendar.

Wednesday 8 November 2017

Healthy Hearts Walking to Support



Antoinette Soning and her wonderful group of walking friends have been walking once a week together on Hampstead Heath for over 20 years in all weathers, fifty two weeks of the year.

They have made the most wonderful friendships and raise money for worthwhile causes including the Heart Cells Foundation. The group maintain that walking is the best exercise for strengthening our hearts and minds.

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.



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