



Therapeutic Apheresis Services Newsletter

Welcome

Welcome to the first newseer from KHS blood and Transplants (KHSBF) I nerapeutic Aphreesis Services (TAS) team. The purpose of this communication is to provide service users with an overview of the key initiatives we are undertaking to improve patient access to services and treatment provision across England.

is edition will focus on the work we are doing to support patients with Sickle Cell dise: thope you enjoy reading this update; if you have any specific ideas/information you.

e nope you enjoy reading tris update; if you have any specific ideas/inforr e to see in future editions please do contact us at: erapeuticanheresisservices@nhsbt.nhs.uk

Who are we?

NUCCT is a major provider of Therapeutic Apheresis Seniors in the NUC. We provide both removes, or collects certain components within the blood

Our national service is provided by eight clinical teams that are based within NHS Trusts

acute natient procedures as well as a peripatetic outreach model for children and acutely unwell nationts. We provide 24/7 services to support emergency patient treatment 365 days per year

Theraneutic Plasma Exchange

In addition to the above, we also provide low volume frequency treatments such as Lymphocyte collection. White Cell and Platelet Depletion. In addition, we can provide

Peripheral Blood Stem Cell



Improving Patient Access to Treatment; A Focus on **Automated Red Cell Exchange** There are inequalities in patient access to therapeutic apheresis services across England.

Our ambition is to ensure that natients have local access to treatment and we work closely with our Trust clinical colleagues to achieve this In February 2016, NICE published a recommendation that Spectra Ontia should be used for

Automated Red Cell Exchange for patients suffering with Sickle Cell disease. NICE also issued a 'rin not do' recommendation around the use of manual or top up transfusion to support these patients.

We have been working closely with clinical colleagues to support patient access to automated red cell exchange in areas which do not have access to apheresis support; we have also been working to provide more localised patient access in areas with geographical challenges Our national team have been working with key external stakeholders such as the Sickle Cell Society to better understand unmet patient demand and how we can support this for both

One of our key achievements is the establishment of a regional automated red cell exchange service in the West Midlands. Previously these patients would have needed to travel to London to access treatment or alternatively, gone without In addition, we have set up a number of bespoke clinics in both the North and South of

England to support children and adults. This means that these patients can access treatment closer to home.

adults and children

Since 2014, we have seen a 295% increase in demand for automated red cell exchange. This increase in demand is currently supporting treatment for more than 180 patients.



Ro Subtype Blood Demand

Approximately 60% of all Sickle Cell patients in England require Ro subtype blood. Demand for Ro units continues to grow nationally at around 15% year on year as the patient

NHSBT is working on a number of initiatives to ensure we can continue to meet demand and minimise product substitutions as much as possible including:

Decruit an additional 40 000 new black blood donors.

Working with bosnitals around consolidation of Ro orders and minimising product

 Working with hospitals to provide NHSBT with early notice of a need for Ro units (3-5 days notice) to ensure appropriate units are available in the Stock Holding Units

Sickle Cell Patient Case Study

Background information

Sam was being treated for malaria when diagnosed with sickle cell disease at the age of five years. He was seen at his local hospital for the first time in September 2007. He presented with pain in both elbows and his right shin which had stated three days before. He presented with pain in both elbows and his right shin which had stated three days before. He presented with halbory of multiple crises per year, usually affecting his elbows, artisks lightly and lower had been supported to the present the state of the

Red cell exchange programme
Sam was originally referred to the Oxford
Therapeutic Aphoreesis Unit in 2010 for
Automated Red Cell Exchange following
repeated hospital admissions for painful
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cross. It is not professionally allowed to profession
crossited in limited mobility desplite the use of
crutches; back pain due to vertebral
collapse and painful legs.

Treatment	Pre Auto RCE Hbs	Post Auto RCE Hbs
1	86.4	19.9
2	36.6	27.7
3	55.7	25.6
4	59.4	23.9
5	67.2	17.6
9	47.7	12.9
7	44.4	11.4
8	48.1	9.5
9	65.7	15.0

He commenced an automated red cell exchange programme in June 2010. He is currently being exchanged every 6-8 weeks. Since then his condition has improved considerably, he is extremely well in himself and there has been improvements to his avascular necrosis to such an extent that he is now independently mobile.

Sam is a very active young man. He enjoys swimming, cycling and last year he climbed



Sam: Sickle Cell patient Oxford

Patient and Service User Satisfaction

We complete a review of patient and service user satisfaction on an annual basis

In 2017, 97% of patients rated their experience with us as 9 or 10 out of 10. We will shortly be undertaking our annual survey for referring clinicians and thank you in anticipation for your support in responding.

services on a Saturday for patients in Livernool.



More Flexible Treatment Options for Patients

Many of the patients treated by our team require long-term, regular treatment which can have a huge impact on their lives.

To provide patients with most flexible appointment options we have introduced longer working days across the most of our units. From January 2018, we will also be providing routine.

Contact us:

Visit our w http://hospital.blood.co.uk/patient-services.thera