



*Arya Samaj Greater Houston*  
&  
*Vedic Culture Center*  
कृण्वन्तो विश्वमार्यम्  
**Make the World Noble**



# ORGAN & MARROW DONATION

By: Gaytri Kapoor

**ARYA SAMAJ GREATER HOUSTON– HEALTH FAIR**



# 2 Life-Saving Donations



- Organ Donation
- (Bone) Marrow Donation



# Organ Donation



- An individual Organ donor
- Can save up to eight lives
- Can improves countless lives



# Organ Donation



- How much it costs to be an organ donor

\$0.00



# Organ Donation



- In the USA people waiting for an organ transplant

120,000



# Organ Donation



Is there any age to be organ donor?

- Never too old
- Health or your organs matter



# Organ Donation



## How to register

- DPS office
- <https://www.donatelifetexas.org/>



# Marrow Donation



- Every 3 Minutes someone is diagnosed with a blood cancer or blood disorder
- Every 10 minutes someone dies from these diseases.

**For some patients, there is a CURE!**

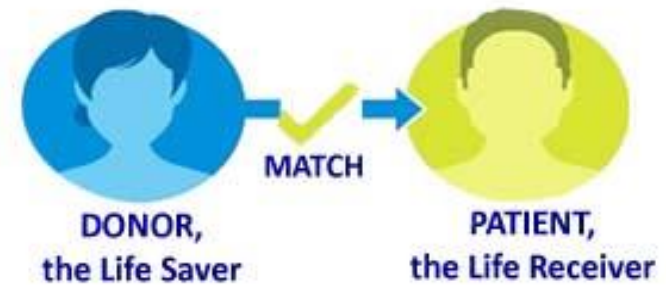




# CURE



- However, in some cases that cure can **ONLY** come from undergoing a Bone Marrow or Blood Stem Cell transplant from a matching donor.

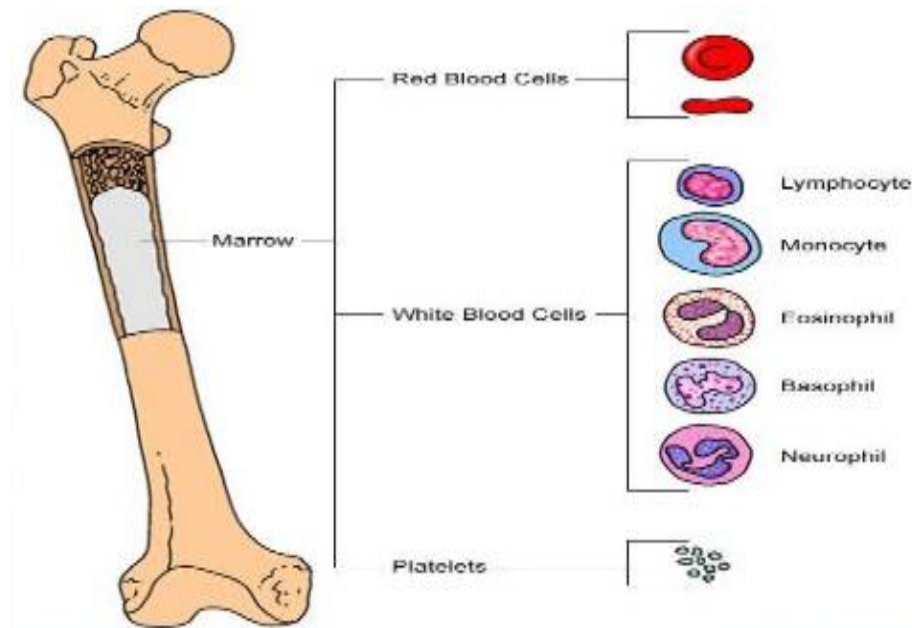




# What is the Bone Marrow?



Bone Marrow is the soft spongy tissue that fills the cores of large bones. It serves an active function in the body by producing all three types of blood cells, as well as lymphocytes, which support the immune system.

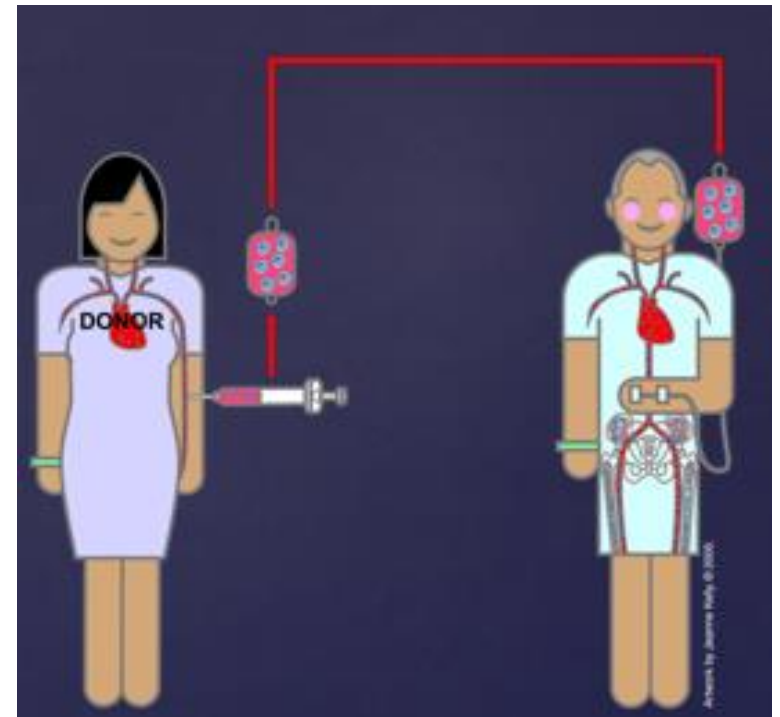




# Bone Marrow Transplant



A procedure which takes a donor's healthy blood-forming cells and puts them into the patient's bloodstream, where they begin to grow and make healthy red blood cells, white blood cells and platelets.





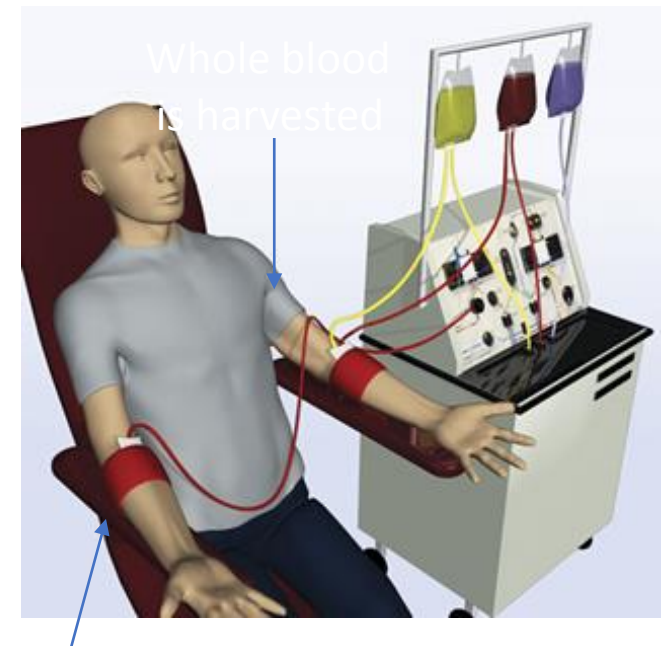
# Donation Process



\* There are two ways to donate. \*

## PBSC (Peripheral Blood Stem Cell)

donation is the most common way to donate today. It is a non-surgical method in which you receive a drug that increases the number of cells in your blood stream. These cells are gathered in an outpatient procedure. Usually donors go back to their normal routine in 1 to 2 days.







# Donation Process



## PBSC Donor, Kevin John





# Donation Process



**Traditional Marrow Donation** is an out patient surgical process, performed under anesthesia. After donation you may have some short-term discomfort in your lower back. Usually donors go back to their normal routine in 2 to 7 days.





# Donation Process



## Marrow Donor, Riddhi Patel





# Who can be a donor



- Any healthy person
- Between the age of 18 and 61
- Is a match to the Recipient





# How to find a match



- Provide Cheek Swab Samples
- Complete a registration form





# Finding a Donor



**Donating marrow is easy ...**

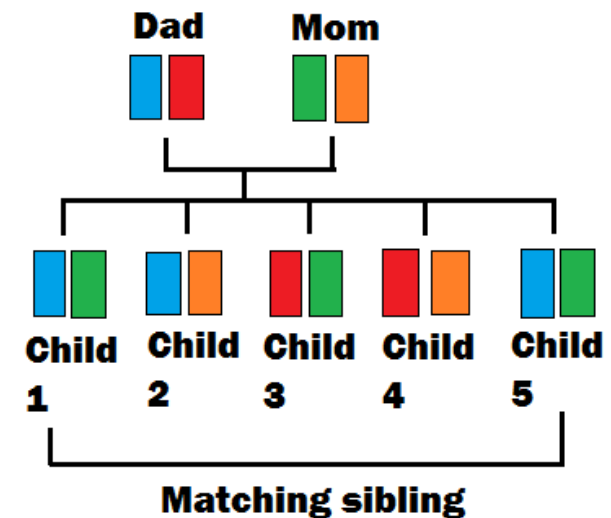
But still a majority of patients lose their battle because a successful transplant requires that the donor's and patient's immune system markers be closely matched.



# Finding a Donor



- Since tissue types are inherited, patients are more likely to match who shares their racial or ethnic heritage.
- Only 25% of matches come from within the family. The remaining 75% of patients need to find an unrelated donor or a cord blood unit.



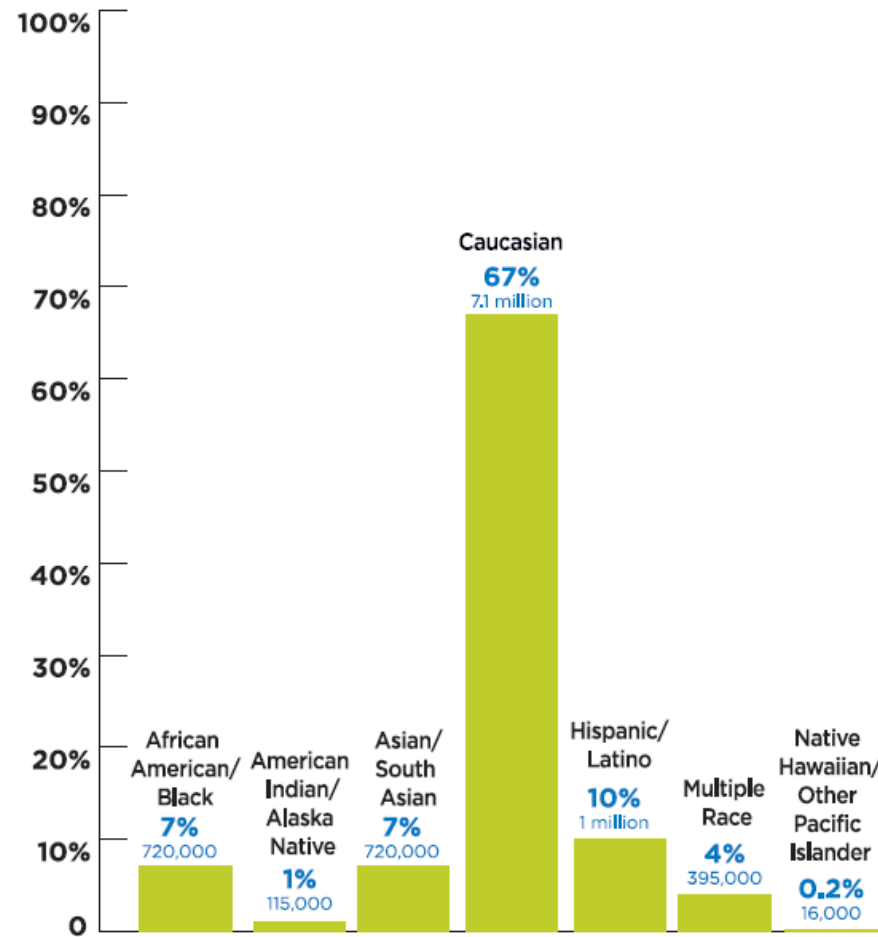


# Finding a Donor



## Be The Match Registry®

(10.5 million total)



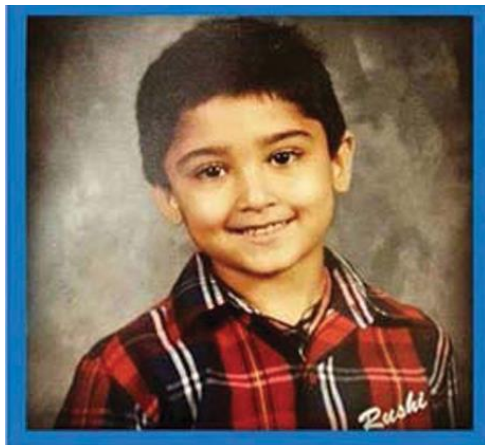
Numbers, percentages and totals may not coincide due to rounding or unknown ancestry.



# Patients in Need



- There are thousands of patients worldwide fighting blood cancers/disorders.
- Two of these patients are 7-Year-old Rushi and 15-year-old Manjot.







# For More Information



Visit the website at [www.bethematch.org](http://www.bethematch.org)

OR

Contact Gaytri Kapoor

- [gkapoor@giveblood.org](mailto:gkapoor@giveblood.org)
- 281-780-1379



