

A Synopsis On

“Humanity- Help With Heart”

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Humanity

1. Abstract

Humanity is the way to achieve the contribution to humanity. As the third Wave of COVID-19 is on its way to arrive so, during these circumstances the humans need to show humanity and help the other beings. The basic idea behind the Web app is to provide the the user the ability to register to donate and request for the plasma oxygen cylinder and blood.

2. Introduction

There has been an increasing need of plasma and oxygen due to COVID -19 .So this Platform provides the user a platform to Post their request that could be seen all over the world and the donate rs can fetch the contact the requester s

What is Convalescent Plasma?

Convalescent refers to anyone recovering from a disease. Plasma is the yellow, liquid part of blood that contains antibodies. Antibodies are proteins made by the body in response to infections. Convalescent plasma from patients who have already recovered from coronavirus disease 2019 (COVID-19) may contain antibodies against COVID-19. Giving this convalescent plasma to hospitalized people currently fighting COVID-19 may help them recover. FDA has issued an emergency use authorization for convalescent plasma to be used in hospitalized COVID-19 patients and is being investigated for the treatment of COVID-19. Based on scientific evidence available, the FDA concluded this product may be effective in treating COVID-19 and that the known and potential benefits of the product outweigh the known and potential risks of the product in hospitalized COVID-19 patients.

People who have fully recovered from COVID-19 for at least two weeks are encouraged to consider donating plasma, which may help save the lives of other patients. COVID-19 convalescent plasma must only be collected from recovered individuals if they are eligible to donate blood. Individuals must have had a prior diagnosis of COVID-19 documented by a laboratory test and meet other donor qualifications. Individuals must have complete resolution of symptoms for at least 14 days prior to donation. A negative lab test for active COVID-19 disease is not necessary to qualify for donation.

What is blood Donation?

One blood donation can save up to three lives. The COVID-19 pandemic has caused unprecedented challenges to the U.S. blood supply. Donor centers have experienced a dramatic reduction in donations due to the implementation of social distancing and the cancellation of blood drives. Blood is needed every day to provide lifesaving treatments to a variety of patients. You can help ensure that blood continues to be available for patients by finding a blood donor center near you to schedule your donation.

Why there is need of oxygen cylinders donation?

What happens is with some illnesses such as COVID-19, when you get a severe COVID-19, the oxygen levels in the body can get low. So, in order to keep your oxygen levels at the normal range, we have to give medical oxygen. Now, when your oxygen levels are low because of a sickness such as COVID-19, the cells in the body

don't have enough oxygen to do their normal function in every cell of the body requires oxygen for normal function. So, if the oxygen levels are low, if they're low for a long time, if it's not treated, then the cells themselves stop to work well. Then, they stop to work completely and cells can actually die. So, then what you can see is that the organs start, your organs once, your organs, you know, your brain, your heart, your lungs, your kidneys all require oxygen. So, they'll start to malfunction in very extreme cases can cause death. So, again, the life saving treatment here then is medical oxygen. So, medical oxygen is taking the oxygen from the air and compressing it so that the oxygen you take in, let's say, for example, from a cylinder is that you're now breathing in almost, you know, pure oxygen. And that is what we give patients in order to keep oxygen levels at a normal level in the body.

Our Method

We have designed a website that checks the donor's eligibility for plasma donation. If all eligibility criteria are fulfilled, then the donor's contact and local details are asked. Similarly, a form gets contact details from patients who need plasma "Once this is done the patient is matched with a donor with a compatible blood group in the same or neighbouring city.

3. Motivation/ Aim/Objective

The Aim is to provide the the user the ability to register to donate and request for the plasma oxygen cylinder and blood.

If you have fully recovered from COVID-19, you may be able to help patients currently fighting the infection by donating your plasma.

Because you fought the infection, your plasma now contains COVID-19 antibodies. These antibodies provided one way for your immune system to fight the virus when you were sick, so your plasma may be able to be used to help others fight off the disease.

4. Technical Details (h/w and s/w requirements) including platform

The project is made by Using HTML,CSS, Java Script,PHP and MySQL

And is hosted on infinity freeapp

The hardware required is one Desktop app

The software Required are Xampp, Vscode,Postman

sno	Requirements
1	Laptop
2	Editors

3	Server
4	File manager
5	Domain Name and Hosting

5. Proposed Method /Innovativeness and usefulness of the project

The project have four basic option the people who have the requirements can register to donate the persons who require the requirements can post a request . the donater can search for a requester by pincode ,city, bloodgroup so as the reciever can do the same.

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The same is done for blood donation and Oxygen cylinder donation

6. Work Plan

Time	Workings
1 Week	Front-end work
1 Week	Back-end work
1 Week	Database Management
1 Week	Hosting and Advertising

7. Conclusion / Expected outcome and benefits to society

Would help the Citizen to overcome the needs during the COVID-19

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8. Team Members

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9. References

humanity.infinityfreeapp.com

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