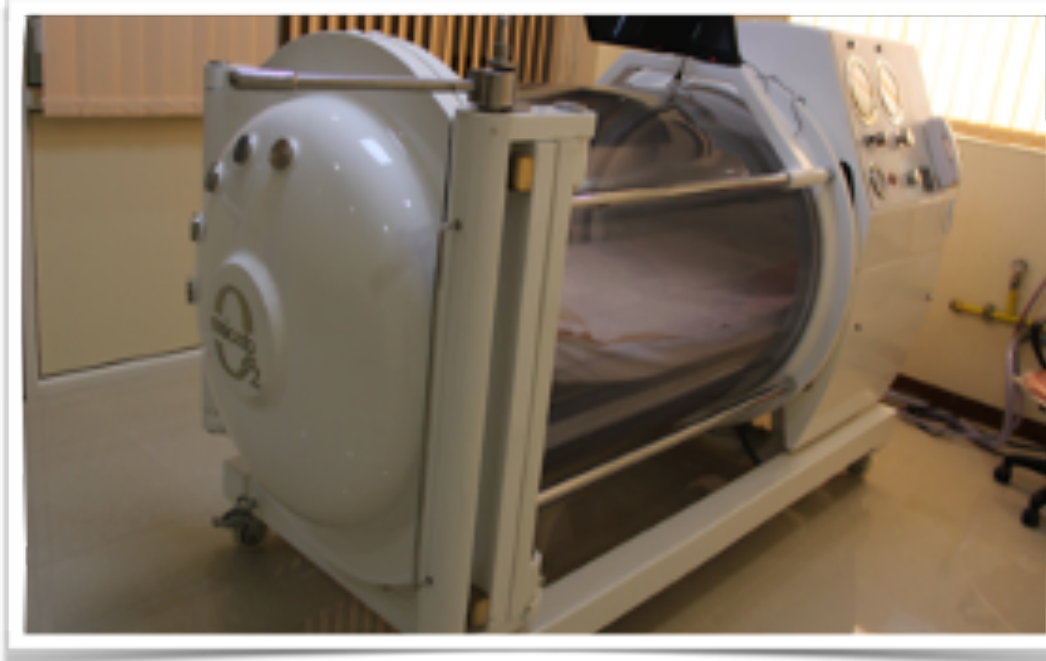
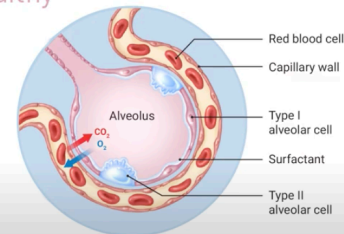


# HBOT in Covid 19

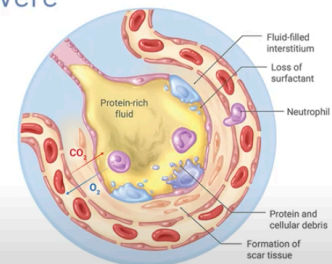
Adjunct therapy addressing the core issues in Covid 19.



Healthy

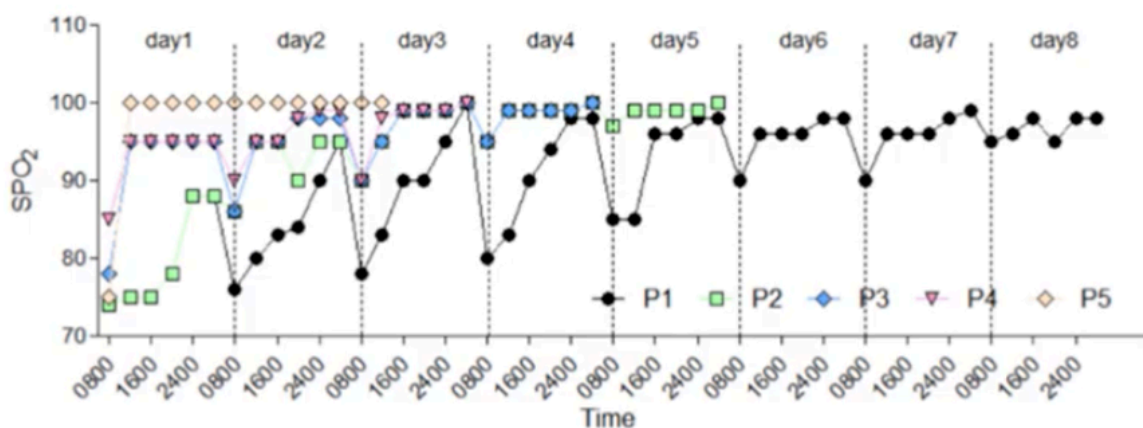


Severe

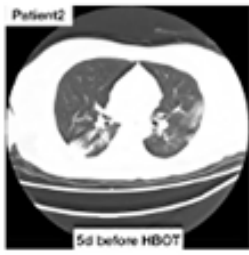


## COVID 19 and Lungs.

Lungs get flooded due to the cytokine storm and this starts the deterioration of the condition in Covid 19 subjects, Hyperbaric oxygen effectively helps improve oxygenation because of the higher concentration of oxygen used upto 150 times and at higher pressures. HBOT given for 5 days improved oxygenation (SPO2) in Chinese patients. (Table below)



Chen R. et al The Outcomes of Hyperbaric Oxygen Therapy to severe and critically ill patients with COVID-19 pneumonia. 2020 In press



5 days before receiving hyperbaric oxygen therapy.



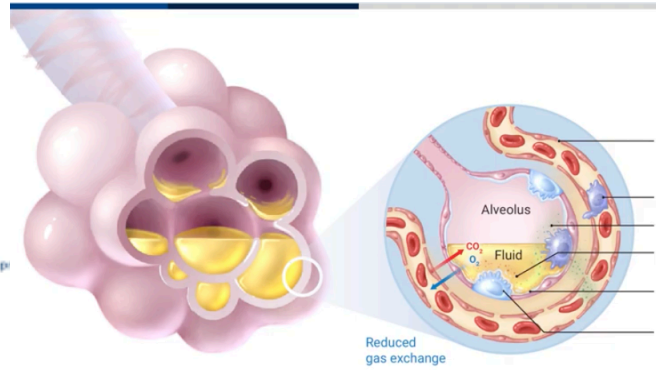
1 day after receiving 3 sessions.

Chen R, et al The Outcomes of Hyperbaric Oxygen Therapy to severe and critically ill patients with COVID-19 pneumonia. 2020 In p

**And it is clearly seen how the exudate and the inflammatory process are reduced.**

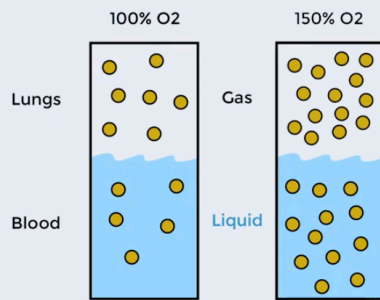
Air filled delicate air sacs which are vital for oxygen transport get filled with fluid. This is seen in the HRCT as ground glass appearance as seen on the left CT picture. After recovery with HBOT the lung is filled with air again as seen in the right CT picture.

**HRCT IS AN IMPORTANT STUDY TO EVALUATE THE LUNGS**



## WHY and how HBOT works.

Mechanism of action



**coming from the environment and more diffusion of oxygen into the blood.**

Every cell needs oxygen to burn the fuel glucose to produce energy. Vital oxygen taken in during breathing subsequently reaches the blood and finally every cell. You will now be familiar with oxygen saturation, which is measured with the pulse oximeter at your fingertip. **Ask your doctor when you need extra oxygen.** HBOT gives life saving oxygen and improves survival. Oxygen under pressure dissolves more in the plasma, thus assists in the recovery of COVID 19 patients

**“Our Team @ Hycare is manned by experts in the field with over a 7 years of experience in HBOT”**



Professor V. B. Narayanamurthy Sushrutha Professorship in Plastic Surgery is a plastic surgeon with over 25 years of experience in plastic surgery and Diabetic foot reconstructions.



DR Rajesh Kesavan is a Podiatric Surgeon with wide experience in managing diabetic feet.



Dr Arvind Rajagopalan is an Orthopaedic Surgeon with wide experience in dealing with orthopaedic aspects of Diabetic foot.

**Contact:** Hycare Superspeciality Hospital. Arumbakkam.

