HAPPY HYPOXIA

in the COVID-19 patients

NORMALLY...

Patients with low oxgygen saturation in the body will have the feeling of short of breath. However, some COVID-19 patients show asymptoms but results detected by devices may show they have a very low oxugen saturation in their bodies.

HYPOXIA

A condition or state in which the oxygen supply is insufficient for the cells and tissues of the body.

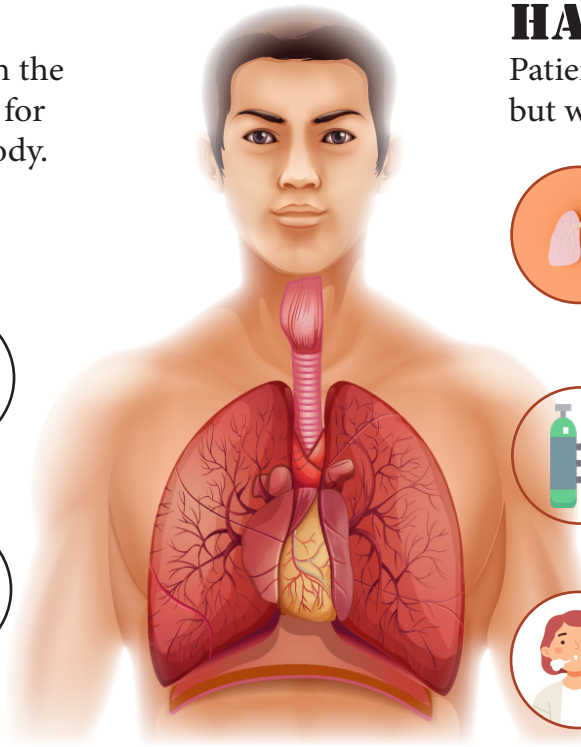
SYMPTOMS

Headache

Restlessness

Short of Breath

Chill



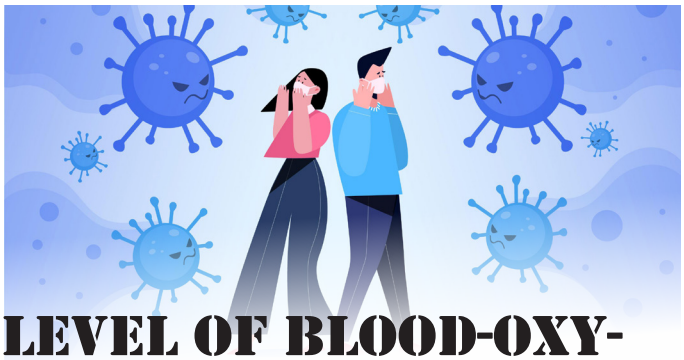
HAPPY HYPOXIA

Patients with low blood oxygen but without trouble in breathing.

No symptoms of hypoxia even a very low oxygen level

In some cases, patients will feel fine or slightly short of breathing even at 70-80 % of oxygen saturation level

Symptoms of hypoxia only showed after the patients have severe pneumonia



LEVEL OF BLOOD-OXYGEN SATURATION

Normal: **95 -100 %**

Low Blood-oxygen level: **< 90%**

Normally patient will have lost consciousness when oxygen saturation level **< 75%**

WHO HAVE A HIGHER RISK?

The group of people who are **young, have a healthy body and do not have any disabilities** can have a higher risk in getting happy hypoxia during COVID infection.

WHY?

- Because they are the group of people who have a stronger immunity to against thediseases and infection.
- They may show asymptomatic effect after COVID infection due to the strong immunity. .

REFERENCES: 1. Kementerian Kesihatan Malaysia. Retrieved from http://covid-19.moh.gov.my/semasa-kkm/2021/06/apa-itu-happy-hypoxia, on 15th July 2021. 2. Couzin-Frankel, J. (2020). The mystery of the pandemic's 'happy hypoxia'. 3. Widysanto, A., Wahyuni, T. D., Simanjuntak, L. H., Sunarso, S., Siahaan, S. S., Haryanto, H., ... & Angela, A. (2020). Happy hypoxia in critical COVID-19 patient: A case report in Tangerang, Indonesia. Physiological Reports, 8(20), e14619.

BROUGHT TO YOU BY

**This is a poster for educational purpose only.