PowerNap

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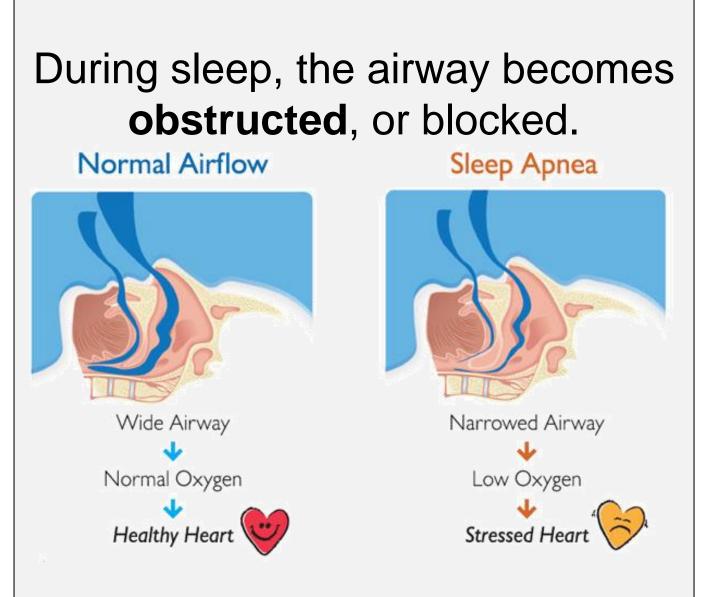
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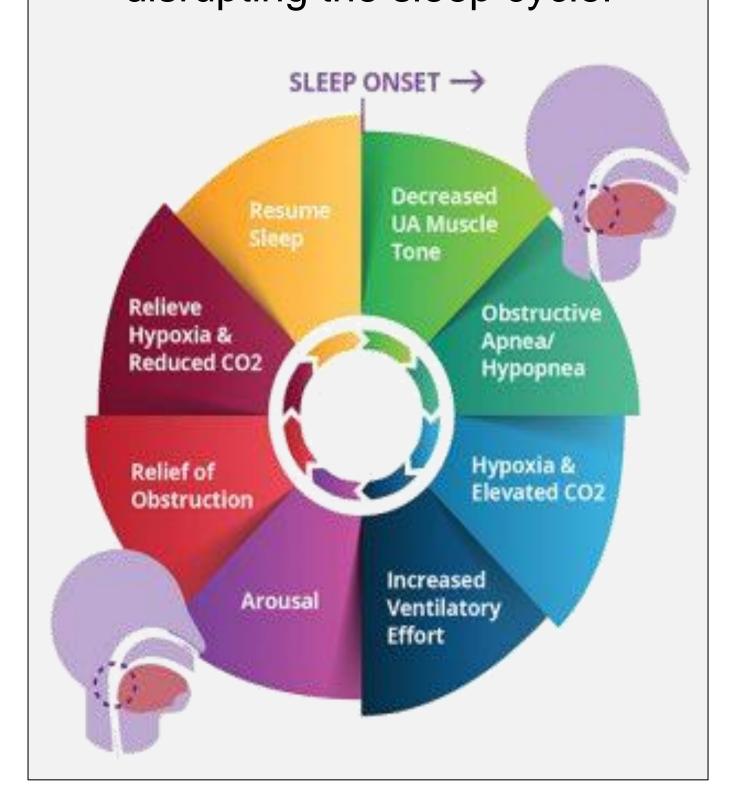
What is Obstructive Sleep Apnea?

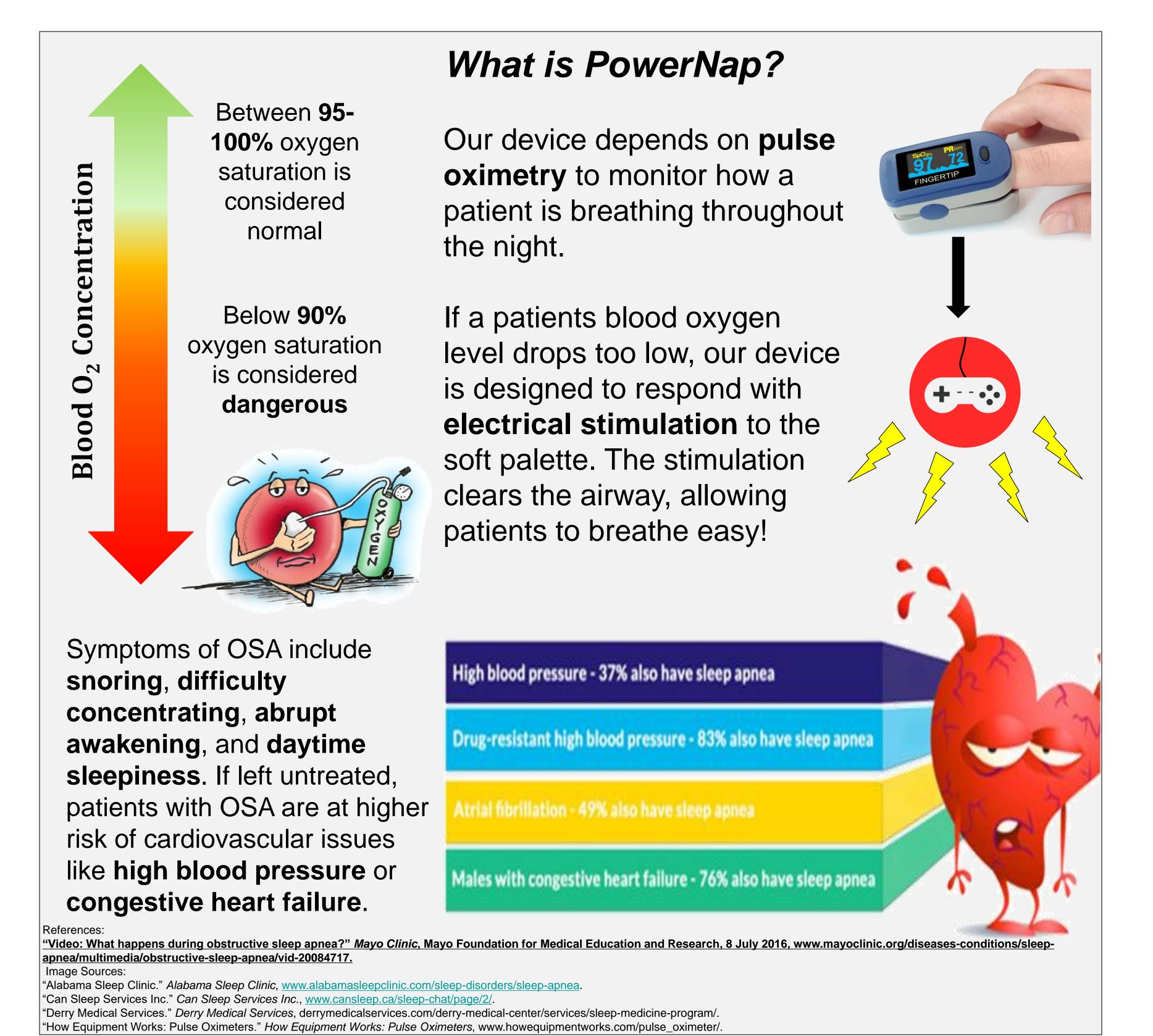
PowerNap: An Electrically Stimulating Oral Appliance

How does pulse oximetry work?

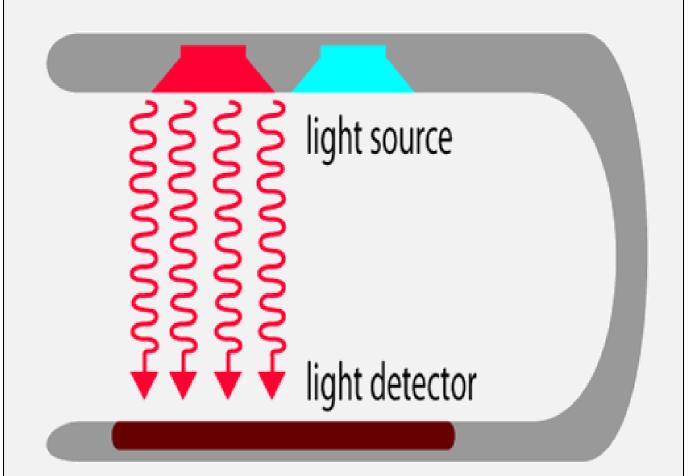


This causes the amount of oxygen in the blood to **drop** to dangerous levels. This causes the brain to wake up patients from sleep, disrupting the sleep cycle.





Pulse Oximetry depends on the emission of **light** to determine how much oxygen is in the blood.



Based on how much light is absorbed after being passed through the body, the oxygen concentration can be calculated! How? Blood with a lot of oxygen has a different **absorbance** than blood with only a little bit.

Try it yourself!

Help us find out if blowing up a balloon changes your blood oxygen levels!