

Western Medicine & Dentistry

Division of Emergency Medicine

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PARTICIPANTS NEEDED FOR RESEARCH STUDY EXAMINING 3D PRINTED PULSE OXIMETER PROTOTYPE

A pulse oximeter is a sensor device placed on the finger to measure oxygen levels in the blood.

We are looking for healthy, non-smoking adult volunteers over the age of 18 to take part in a study to calibrate and validate a newly designed, 3D printed pulse oximeter.

If you are interested and agree to participate you would be asked to: have an arterial catheter inserted into your wrist to measure the oxygen levels in your blood samples; have the experimental, 3D printed pulse oximeter and a control oximeter placed on your fingers; wear a breathing mask to deliver a mix of nitrogen and oxygen at a progressively different ratios under careful monitoring by an experienced emergency physician.

Your ONE TIME participation will take 2-3 hours of your time. You will not be compensated for your participation in this study.

