**COVID**

In our project we are going to use telemedicine tool to face the Coronavirus Disease 2019 which is the clinical manifestation of virus Severe Acute Respiratory Syndrome Coronavirus- 2 (SARS-CoV-2) infection. In that we can achieve a decrease in contact between patients and patients with doctors in order to reduce the risk of infection.

The most common symptoms of the disease are fever, dry cough, tiredness, aches and pains. Sore throat, loss of taste and smell. Difficulty breathing ,chest pain. So, in our project we have considered to do a checklist which the patient will send to the doctor.

There are some cardiac disorders that take part in Covid-19, so, we need the electrocardiogram (ECG) to detect them:

* QRST abnormalities (we can talk about leads, ask David)
* Conduction disorders
* Myocarditis and pericarditis
* Cardiac Arrhythmias have been noticed in 16.7% of Covid patients. The fever causes a slower heart rate (bradycardia) which prolongs the QT interval.

Some drugs given as treatment can trigger patients to ventricular arrythmias

We are going to monitor ECG patients. The saturation of oxygen in the blood, the beats per minute (bpm) because one of the effects of COVID-19 is the increase of the heart rate. And the temperature due to is one of the main symptoms of the disease

Some risk factor of the disease are:

* Cancer
* CKD: Chronic Kidney disease
* COPD: Chronic Obstructive Pulmonary Disease
* Heart Conditions
* Immunocompromised
* Obesity
* Smoking
* Pregnancy
* Diabetes

With our program the patient will be able to be in contact with the doctor with a reduces number of visits to the hospital. Patient can send and receive information from the hospital, the patient will not have to wait in the hospital for results or for being attend. Doctor can monitor patients which are in their homes.

REFERENCES:

https://www.who.int/health-topics/coronavirus#tab=tab\_1

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