METHODOLOGY

Study site: Rohini Super specialty Hospital.

Department of Cardiology, Hanamkonda.

Study design: Prospective Observational Study

Study period: 9 months

Sample size calculation:

Initial sample size = $\frac{Z^2 P(1-P)}{C^2}$

Where, Z = 95% (1.96)

P = sample size proportion (0.5)

C = confidence interval (0.05)

Initial sample size = $\frac{1.962\ 0.5(1-0.5)}{0.05^2}$

= 384

Sample size = $\frac{\text{Initial sample size}}{1+\frac{(\text{initial sample size} -1)}{\text{population}}}$

Sample size = $\frac{384}{1+\frac{(384-1)}{300}}$

= 169

STUDY SELECTION CRITERIA:

Inclusion criteria:

- Patients with either Sex.
- Patients with CAD (Angina, MI, LV dysfunction)
- Patients with comorbidities including DM, HTN, COPD, Asthma
- In-Patients
- Patients with >18 age

Exclusion criteria:

- Pregnancy and lactating women
- Pediatrics and patients below 18 years
- Out patients

STUDY PROCEDURE (Data Collection and Analysis):

A separate proforma will be prepared to record the patient details such as age, gender, disease condition, CRP, Troponin, CPK-MB, Sr. Creatinine, Lymphocyte count, Neutrophil count, WBC, LFT, RFT, Lipid profile, Angiographic profile and etc.

SYNTAX score and TIMI score were used in predicting the risk in patients with Post COVID-19 CAD.

All the participants will have to sign an informed consent form expressing their consent in participating in this study.

The institutional Ethics committee approved the proposed protocol for conducting the trail as per proforma submitted.

Ref: St. Peter's IEC/2022/1/04

The obtained data will be statistically analysed.

STATISTICAL METHOD:

This study analyses the Biomarkers, Laboratory parameters, Clinical and Angiographic profile to determine the risk of Post COVID-19 in patients with CAD.

Statistically T-test is used for interpretation of study results.