

CASE STUDY PROFORMA

Study Title: Novel Echocardiographic Calcification Score as a Predictor of 30-Day Major Adverse Cardiovascular Events in Acute STEMI Patients: A Prospective Observational Study

A. IDENTIFICATION DETAILS

Hospital Number: _____

Date of Admission: ____/____/____

Date of Informed Consent: ____/____/____

Patient Name (Initials): _____

Age (years): ____

Sex: _____

Mobile Number (for follow-up): _____

Date of STEMI Onset: _____

Weight: ____ kg Height: ____ cm

BMI: ____ kg/m²

B. BASELINE CLINICAL CHARACTERISTICS

| Variable | Observation |
|---|-------------|
| Type of STEMI | |
| Infarct Related Vessel (LAD/LCX/RCA/Others) | |
| Total number of vessels infarcted | |
| Time from symptom onset to admission (hours) | |
| Heart Rate (on admission) | |
| Systolic Blood Pressure | |
| Killip Class (I to IV) | |
| Serum Creatinine (mg/dL) | |
| Cardiac Enzymes (Troponin I/T)-Admission values | |
| ST Segment Deviation (≥ 1 mm) | |
| Management strategy (PCI/Thrombolysis/Medical/CABG/Others) | |

| | |
|--|--|
| Was Complete revascularization achieved? (Yes/No) | |
| LVEF (from Echo using Simpson's method) | |
| Calculated GRACE Score (with date of calculation) | |

C. CARDIOVASCULAR RISK FACTORS

| Risk Factor | Yes / No / Details |
|---|--------------------|
| Hypertension | |
| Diabetes Mellitus | |
| Smoking History (Current or Former) | |
| Dyslipidemia | |
| Family history of CAD | |
| Prior MI | |
| Prior PCI/CABG | |
| Obesity (BMI >25) | |
| Chronic Kidney Disease (eGFR <60 ml/min/1.73m ² for >3 months) | |

D. HIRSCHBERG ECHOCARDIOGRAPHIC CALCIUM SCORE

| Cardiac Structure | Calcium Present? (Yes = 1, No = 0) |
|-------------------------|------------------------------------|
| Aortic Valve | |
| Aortic Root | |
| Mitral Annulus | |
| Papillary Muscles | |
| Interventricular Septum | |

Total Echo-CCS (0–5): _____

E. 30-DAY FOLLOW-UP (TELEPHONIC)

Date of Follow-up Call:

| Event During 30 Days Post-Discharge | Response / Date of Event |
|-------------------------------------|--------------------------|
| Alive at 30 days | |
| Death (All-cause) | |
| Readmission for Heart Failure | |
| Non-fatal Myocardial Infarction | |
| Target Vessel Revascularization | |
| Final MACE status (Yes/No) | |