

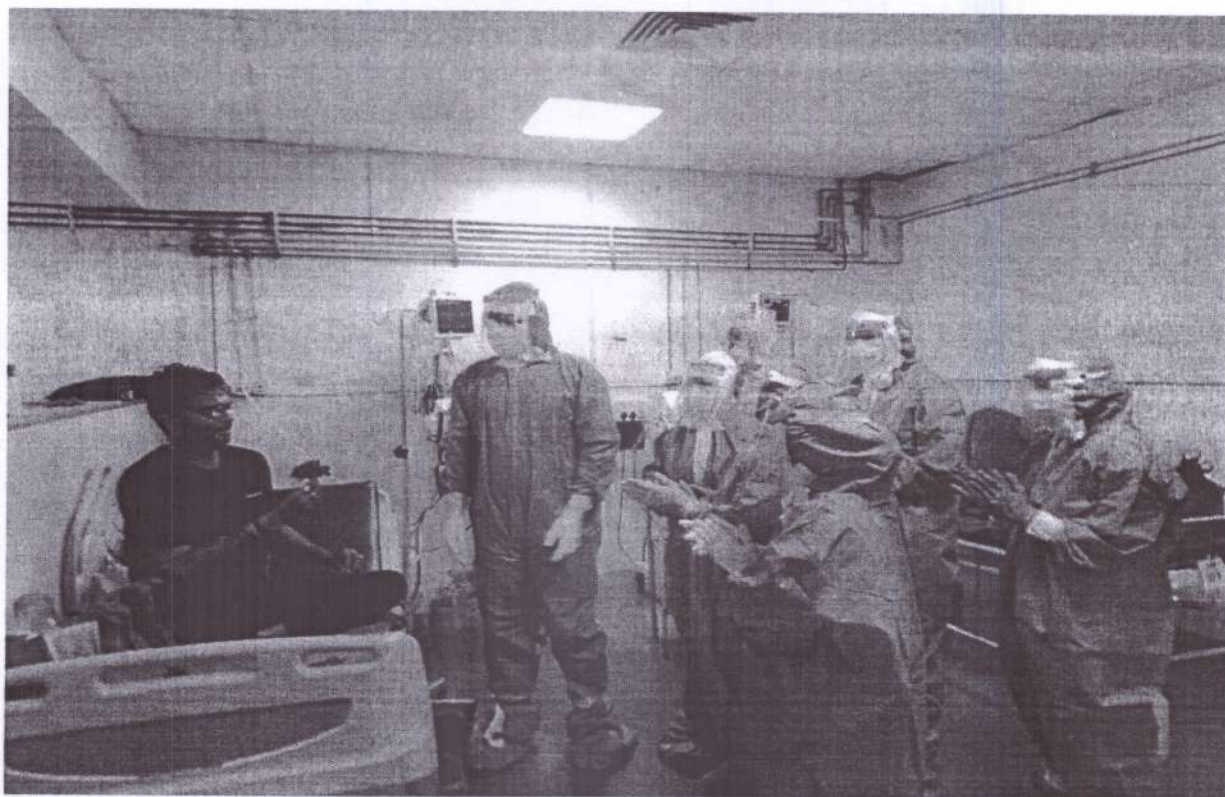


Maratha Vidya Prasarak Samaj's  
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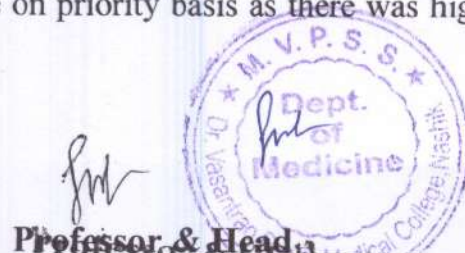
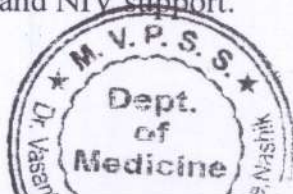


- Cure rate of patients is good
- Patients keep a close follow-up even after recovering from Covid.
- Patients with myocardial infarction underwent CAG followed by PTCA /CABG after the proper quarantine.
- CKD patients come for regular dialysis post Covid and many patients who had Covid induced AKI are now on conservative management.



**6. Problems Encountered and resources required:**

- Since it is a pandemic and highly contagious nature, large number of patients were being admitted for which resources were being used cautiously.
- Number of ventilators were increased and made available on priority basis as there was high demand for oxygen and NIV support.





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**Department of Medicine**

**Best Practice-COVID-19 Epidemic Management**

**1. Title of Practice**

- Efficient, Economical and Quality Care for COVID -19 Epidemic management

**2. Objectives of the practice**

- To provide tertiary level care for COVID -19 Epidemic management.
- To provide COVID -19 treatment through government schemes like Mahatma Jyotiba Phule Jan Arogya Yojana so that poor patients can avail this facility and also serve Policemen through Maharashtra police 'Kutumb Arogya Yojana'

**3. The Context (Challenging issues)**

- The most challenging year for medical fraternity was year 2020-21 as we had the global pandemic COVID 19 invade our country.
- Covid -19 Patients presented with varied symptoms leading to ARDS or thrombotic states like myocardial infarction, stroke.
- There was not much data about the disease; multiple trials had been undertaken on which treatment protocols were formulated.
- The Disease was highly contagious hence large number of patients were being admitted with mild, moderate to severe symptoms.
- Counselling of patients and relatives was important part of Covid management.

**4. The Practice (COVID )**

- Patients were initially screened at Fever OPD by the doctors posted in Fever OPD who then informed about the suspected case in SARI ward and higher authorities were also informed.
- Positive patients were assessed and according to their general condition, vitals and O2 saturation, patients were either admitted in CCC OR DCH RICU.
- On admission to RICU/SARI , the patient was immediately started with O2 support ,high flow nasal O2 , NIV support according to the patient's GC and swab sent if patient was suspected to have Covid from SARI
- Patient's detailed history and examination was done by the resident doctors on duty
- Both our CCH facility and DCH RICU had fulltime (24 hours) Medicine residents, nursing staff and aaya mayshi posted in the wards/ICU





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- Consultant Doctors of General Medicine, Chest Medicine and Anesthesia department were also posted in the ICU/wards, who took detailed rounds.
- A highly dedicated and Specialist Team was formed consisting of Cardiologists, Pulmonologists, Nephrologists, Anesthesiologists and General Physicians, who monitored the patients of ICU and formulated individual treatment plans for every patient.
- Surgical and Gynecology patients were primarily managed by concerned department and co-managed in CCC /RICU.

**VPMC COVID MANAGEMENT PROTOCOLS BASED ON GOVERNMENT PROTOCOLS**

Different therapies and treatment protocols included:

- Inj Tocilizumab
- Inj Remdesivir
- Inj Itolizumab (if Tocilizumab was unavailable)
- Plasma therapy
- O2 And HFNO2
- Non Invasive and Invasive ventilation
- Prone ventilation
- Haemodialysis if required
- Optimal management of Hyperglycaemia in Diabetic patients
- Judicious and timely use of Steroids
- Other supportive management



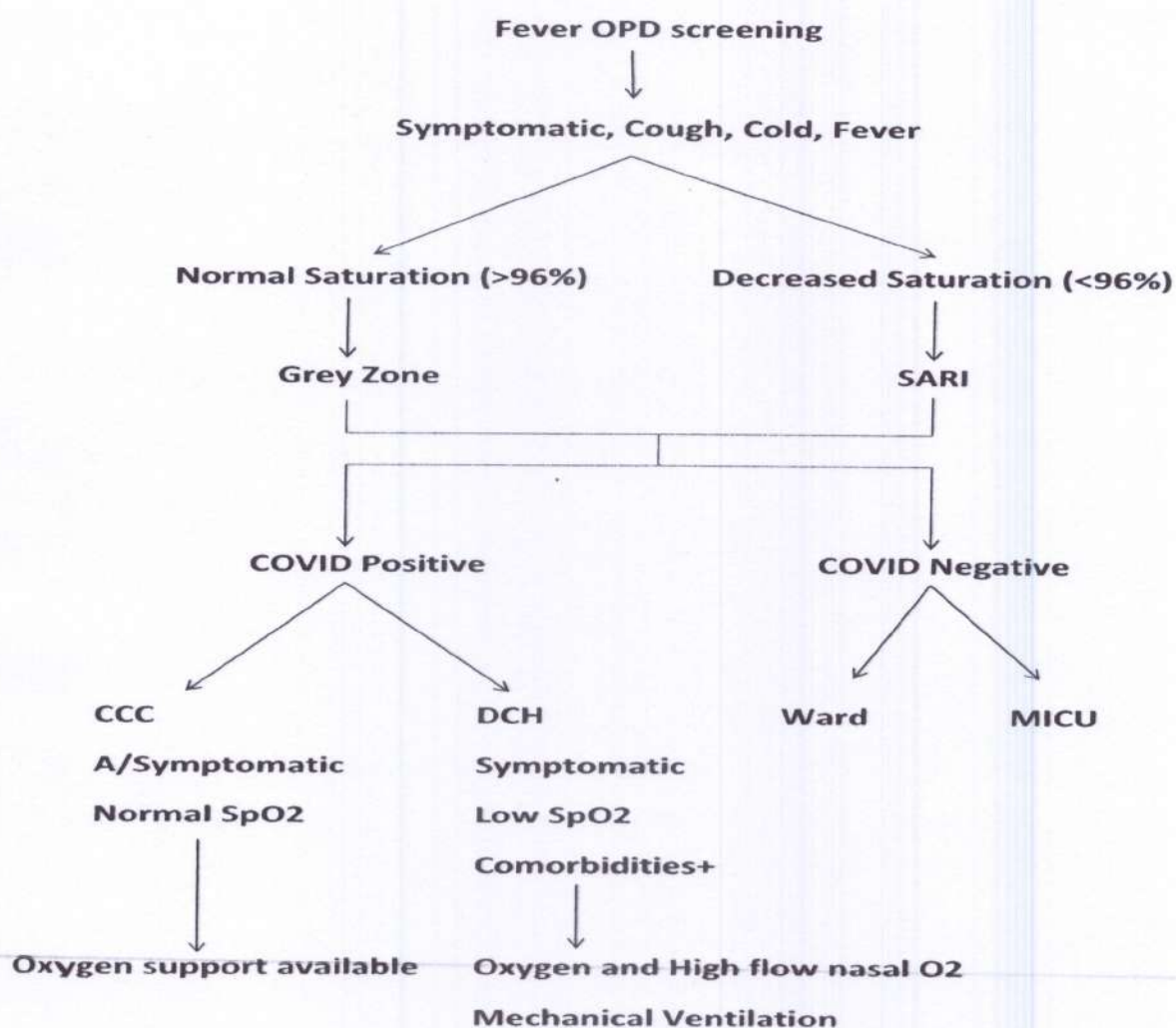


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## COVID PATIENT FLOW-CHART





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## 5. Evidence of Success:

### COVID ANALYSIS

- Total patients admitted till Feb 2021: **2875**
- Total COVID-19 positive patients admitted till February 2021: **2556**
- Total patients admitted in CCC till February 2021: **1533**
- Total patients admitted in DCH till February 2021: **1023**
- Total COVID-19 positive patients cured till February 2021: **2189**
- Total COVID-19 POSITIVE Deaths till February 2021: **325**
- Total SARI admissions till 20<sup>st</sup> Feb 2021: **318**
- Total SARI discharges till 20<sup>st</sup> Feb 2021: **253**
- Total SARI Deaths till 20<sup>th</sup> February 2021: **62**
- Total patients who required Dialysis (CKD patients) : **36**
- Total dialysis done till February : **102**

