

**TRAINED NURSES ASSOCIATION OF INDIA
IN COLLABORATION WITH DISASTER MANAGEMENT DEPARTMENT, MCGM
ORGANISED A WORKSHOP
ON
“Disaster Management & Hospital Preparedness”**

Participants : Selected senior cadre nurses from MCGM, GOVT hospitals
No : 30
Date : 3rd March 2020 to 11th March 2020.
Venue : City Institute of Disaster Management, Parel

Aim: Participants will be able to manage the disasters through proper hospital preparedness thus reducing the mortality & morbidity

Objectives:

- develop concepts related to disasters,
- comprehend the concept of activation of HDMP (hospital disaster management plan) & nurses role in it.
- develop various competencies as how to transport mass casualties, CPR, use of fire extinguishers, modified slings & bandages etc. required to manage disasters.
- Able to prioritize the care through Triage & tagging, early transportation & treatment.
- Able to identify various types of casualties by understanding disaster epidemiology & thus able to activate nursing services accordingly.
- Understand hospital evacuation planning process & the role of nurses in it.
- Causes of fire in operation theatre & activation of fire safety measures.
- Understand fire & fire safety at hospital & activation of necessary actions accordingly.
- Understand how to conduct mock drill.

Day 1: 3.3.2020

All delegates reported for workshop at 9.00am. after finishing with registration of delegates followed by breakfast, first session on introduction of disaster management began by Mr Rajendra lokhande, Shift Incharge at 10.00am. Sir, discussed about hazards, vulnerability, exposure & risk. Once these concepts were clear, delegates were introduced to various types of disasters & how to remain calm & not to panic.



Pic 1: Lokhande Sir's presentation on basics of DM

Mr. Mahesh Narvekar, Director, DMD, MCGM joined for the session. The quick inauguration of workshop was done & sir started with his session on Mumbai's Disaster Management plan, Overview of it. How disasters are managed at Mumbai. The role of DMD in activation of services of main stakeholders of disasters. Mrs. Minal Rane also graced the occasion as Observer from Maharashtra Nursing Council for approval of CNE.



Pic 2: Inauguration function & speech by Mr Narvekar, Director,DMD,MCGM

Post lunch, the session began by Mrs Rashmee Lokhande, Dy Chief officer,DMD,MCGM on "Disaster Management Cycle." Madam, oriented delegates on various steps of preparedness before disaster & post disasters. Prevention, Mitigation & preparedness before disasters & response, recovery, rehabilitation post disasters.



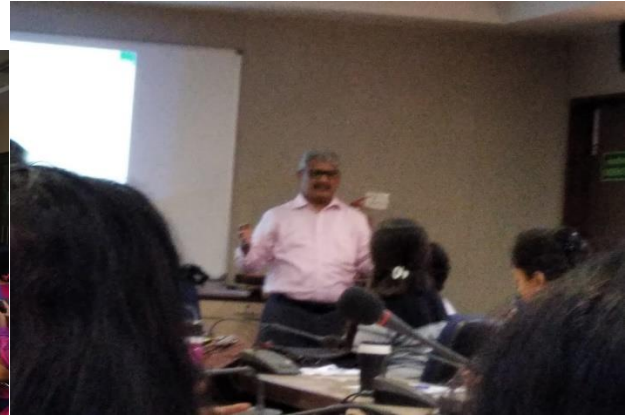
Pic 3: Madam Rashmee Lokhande, Dy Ch officer, DMD,MCGM

Day 2: 4/03/2020

Session started by Mr D.M Patil, Station officer, Mumbai Fire Brigade on “Smoke Inhalation & its management.” Sir discussed about what is fire, fire triangle, types of smoke & its effect on body. What first aid to be given to smoke victims, prevention & early identification of smoke, what action to be initiated by first responders, etc.

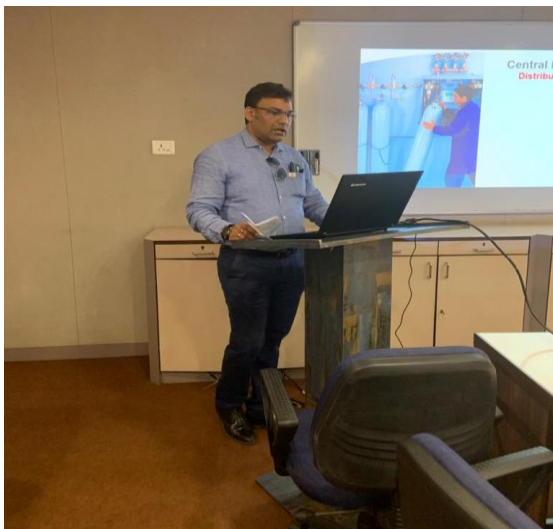


Pic 4: Mr D.M.Patil, MFB



Pic 5: Mr Abasaheb Kale, VP, Marsh Risk consulting

Following this session, Mr Abasaheb Kale, V.P., MARSH Risk Consulting, spoke on fire & fire safety at hospital & nurses' role in it. Sir gave lots of examples of fire at hospitals & how it was managed.



Pic 6: Mr Anil Jambhore, Dy Chief Engineer, MCGM

Mr Anil Jambhore, Dy Chief Engineer (M&E), MCGM, talked about Medical piped gases from its source to terminal. Its distribution, problems faced during its handling. Delegates had lots of questions about it.

Post lunch delegates were given hands on experience of handling Fire Extinguishers by Me Bharatkumar Phunage, who is CRO at DMD, MCGM. First sir discussed about types of Fire extinguishers, where it can be used, thus types of fire. Description of fire extinguishers as what is written on it, expiry date, its gauge reading etc.

After that all delegates were taken down in open space & every delegate was made to use ABC type & Co2 type of fire extinguisher. It was very useful session.



Pic 7: Mr Bharatkumar taking hands on for use of fire extinguisher from each delegate

Day 3: 5/03/2020

Day began with session on “Handling of Mass Casualties & Triage”. The session was taken by Mrs Surekha Sawant, former Matron, B.Y.L.Nair Ch Hospital & faculty of Post Graduate Diploma in Disaster, Fire & Industrial safety Management (PGDDF&ISM). What is mass casualty, challenges faced during mass casualty, what is triage & how it is done, where to start, how to triage, tag the victims, immediate treatment & transportation to definite care centers as hospital. A Video on “SMART” ie Simple triage and Rapid treatment” was shown to delegates.



Pic 8: Mrs Surekha Sawant taking session on “Triage”

Visit to gallery at CIDM was arranged for delegates, where they were shown the various types of disasters in simulation form earthquake tectonic plates movement, cyclones, CBRNE disasters etc. finally what emergency kit to be kept ready at home was demonstrated.



Pic 9: Emergency kit to be kept ready at home.

A session on “Crowd Management” was taken by Mr R.Lokhande sir. Sir discussed about types of crowd, difference between mob & crowd. How to handle it. The session was well appreciated by everyone.



Pic 10: Lokhande sir

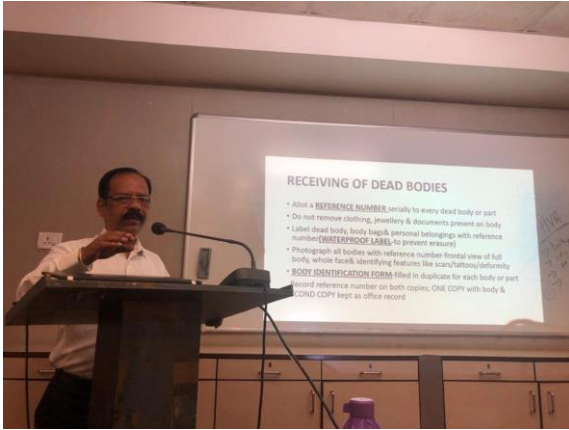


Pic 11: Dr Sarika Patil on Hospital preparedness

Post Lunch, the session began on “ Role of hospital administrator in disaster management, Hospital preparedness & Hospital Disaster Management plan” by Dr Sarika Patil, A.M.O. B.Y.L.Nair Ch Hospital & T.N.Medical college. Madam explained to the delegates regarding how hospitals are prepared for the disasters, how it is activated, how the news are verified, dispatching of hospital ambulance to site, keeping wards/ICUs ready as per types of casualties etc.

Day 4: 6/03/2020

Today's session on "Operating room evacuation during disasters" was taken by Mrs Surekha Sawant, Faculty, PGDDF & ISM. Delegates were explained about causes of fire in OT. How the use of liberal Oxygen can complete fire triangle in presence of heat by using cautery & presence of alcohol based skin preparations. In that case how to douse it? Who plays what role. Types of evacuation like Horizontal, Vertical or stand in to be done. Few videos related to topics were shown.



Pic 12: Dr Shailesh Mohite



Pic 13: Mrs Surekha Sawant

Next session was taken on "Medicolegal aspects of disaster victims & Management of dead bodies" by Professor & Head of Forensic Medicine Dr Shailesh Mohite of B.Y.L.Nair Ch Hospital. He explained about various examples of mass casualties in Mumbai & how it was handled by forensic medicine dept & police. He discussed about identification, storage, retrieval & disposal of dead bodies. Delegates had so many questions at the end of sessions, which were clarified by Dr Mohite sir.

After this session, delegates were taken for 3D film on "Earthquake in Mumbai & its after effects" in auditorium of CIDM.



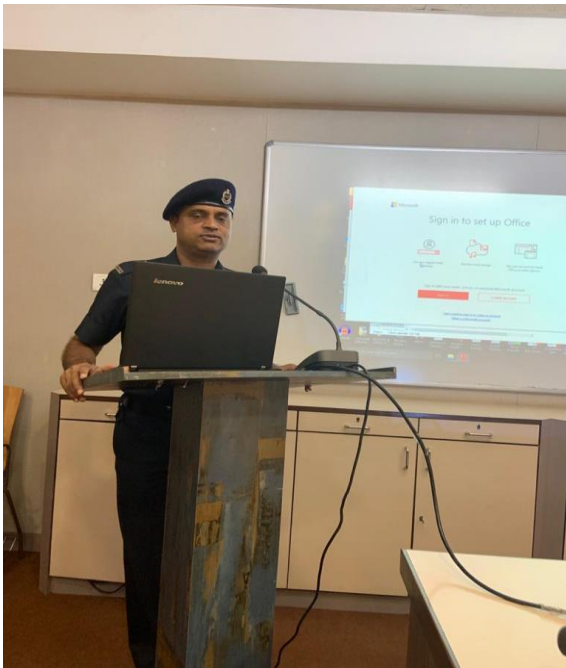
Delegates experiencing live effects of earthquake in Mumbai through 3D effect. The film was worth a watch yet scary to see the effects of earthquake on Mumbai.

Today's visit to Disaster management control room was postponed due to sudden visit by Canadian delegates to see preparation for corona virus by MCGM, the time was utilized by table top exercise on "Are you able to Triage 10 different Victims?" 15 groups were made. Every 2 participants were given the questions to solve & it was discussed with them.

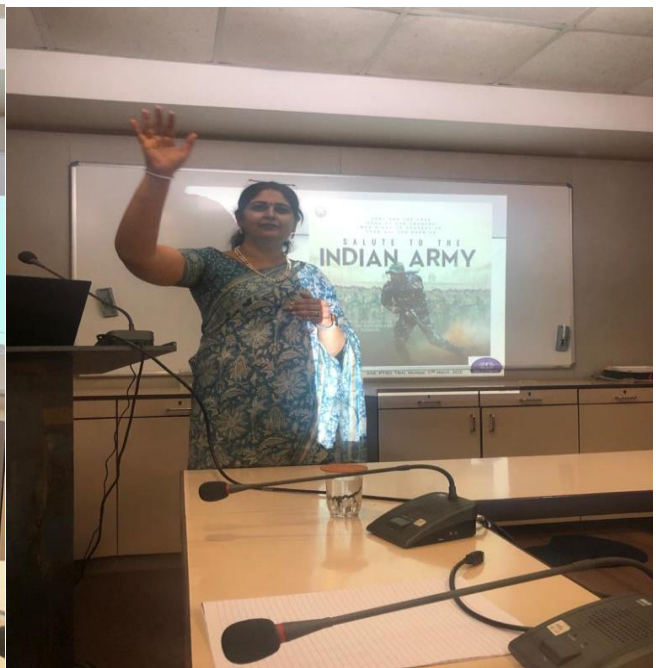
A practice session was taken on use of modified slings, triangular bandages & use of roller bandages for mass casualties.

Day 5: 7/3/2020

After breakfast the session began with CBRNE disasters and its management by Mr. Mahesh Nalawade, Deputy Commander, NDRF. Delegates were informed about formation of NDRF team and its functioning. During session, various types of disasters and their management was discussed.



Pic 13: Mr Nalawade, NDRF



Pic 14: Dr Alka Subramanyam, Dept of Psychiatry

The second session was on post traumatic stress disorder by Dr. Alka Subramanyam, Associate professor, Department of Psychiatry, B.Y.L. Nair Hospital. She gave live examples of many disasters having universal trauma along with its management.

Post lunch, all the delegates were taken to Disaster Control Room (DMD) MCGM at head quarters. Initially all the delegates were oriented to functioning of control room by Madam Rashmee Lokhande, Dy Ch Officer, DMD, MCGM. All the delegates were taken inside the control room and shown activation of control room. There were more than 5600 cameras for the surveillance of Mumbai which is done continuously by the staffs of DMD. Delegates were also shown the infrastructure of DMD adhering to rules of NBC codes.



Pic 15: Visit to Disaster Control Room at MCGM Headquarters

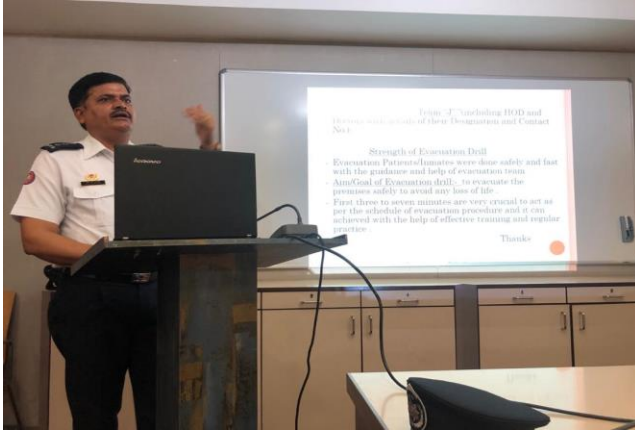
Day 6: 9/3/2020

A session began on “Patient transportation during mass casualties” by Mr. Pravin Brahmhadande, Bhandup Water Complex, MCGM. Sir demonstrated various method of lifting and transporting casualties during locally available things like bamboo, blankets and with the help of people around. All delegates were made to practice this methods.



Pic 16: Mr Bhrahmdande taking patient transportation

The second session was taken by Mr. V.N. Sangle, Station officer, Mumbai Fire Brigade. Sir presented on hospital evacuation during internal disasters. Sir discussed on types of evacuation: horizontal and vertical, roles of different teams.



Pic 17: Mr V. S. Sangle, MFB



Pic 18: Dr Pankaja Agal, Deputy Dean

Third session for the day was on Disaster Epidemiology and pattern of injuries by Dr. Pankaja Agal, Deputy Dean, B.Y.L. Nair Charitable hospital. Madam gave multiple examples and presented case studies on disasters faced by various hospitals in Mumbai. She simplified the topic and made it more interesting.

Post Lunch, the session on CPR was taken by Dr. Deepak Dalvi, EMS Consultant. He discussed on the new guidelines : CABD, identification of patient and initiation of CPR.



Pic 19: Dr Deepak Dalvi, EMS Consultant

Day 7: 11/03/2020

Morning session began with Nursing management during Disaster by Mrs. Surekha Sawant. It was an interactive session which included nurse's role in three phases pre, during and post disasters.

What competencies & knowledge required for management of disasters was explained by Mada Sawant.



Pic 19: Mrs Sawant discussing on role of nurses in disaster management

Next session was on conducting Mock Drill by Mr. D.S. Patil, Additional divisional fire officer. At the beginning of the session, all the delegates were made to do Reiki of the Complete building which included :identifying entry , exits of building, location of fire extinguishers, fire hose rills, control panels, smoke detector, water sprinklers, evacuation plans etc. The delegates were asked about their observation and were asked to present the same in front of the group. Sir explained the steps of conducting mock drill followed by 2 practical mock drills. At the end of the session, sir discussed the deficiencies identified in the mock drill done by the delegates.



Pic 20: Mr D.S.Patil, add. Divisional officer, MFB taking session on Mock Drill.

Post Lunch the session was conducted by Mr. Sunil Kadam, Snake Rescuer. Sir explained immediate response after snake bite. He provided emergency number in case of snake related emergency. The number is 9820221176 and 8369982861. Sir explained the new guidelines about first aid after snake bite.



Pic 21: session by Me Sunil Kadam on first aid for snake bite & protocols

Post this session, all delegates were assembled in the auditorium for valedictory session. Madam Rashmee Lokhande, Dy Ch officer, DMD, MCGM was the chief guest for the programme. Mr Rajendra Lokhande, Mrs Minal Rane, Observer from MNC along with executive committee members were also present for the programme. After the response from the delegates, certificates were distributed to delegates. Delegates were also awarded 30 credit hours by MNC for the programme.



Pic 22: Valedictory session.

