



THE BOMBAY CITY AMBULANCE CORPS

(FOUNDED 1930)
(Registered under Acts XXI of 1860 and XXIX of 1950)
BRIGADE GAZETTE

GRATIS

No.664

July, 2019

PART - I

NOTIFICATION

Results of First Aid Instructors' Examination

The Examination of the students of the Specialist Instructors' Course in First Aid to the Injured (Course No I/246) of Jamsetji Tata Ambulance College was conducted in May-June 2019 by the Board of Examiners appointed by the Medical Board of the Society consisting of (1) Dr. A.H. Kantharia, M.D. (Bom), and (2) Dr. Girish G. Lad, M.S. (Bom.), The Board was assisted by (i) Mrs. Sheela S. Banerjee, G.C.D., Specialist Instructors in First Aid and Home Nursing (ii) Mr. Nitin P. Thaker, B.Com, LL.B, Dip Amb., Specialist Instructors in First Aid and Home Nursing Work as assessors for practical tests. The following students have been declared successful in order of merit:

1. Mrs. Nandita R. Mhapadi, B.Com., 2. Mrs. Mukta Dhariwal, M.Com., 3. Miss Nidhi P. Arora, 4. Miss Jagruti R. Kadulkar, RGNM, 5. Mr. Mahesh N. Sawant, B.A., 6. Mrs. Shobha U. Sonawane, M.Sc., 7. Miss Asha B. Acharya, B.Sc., 8. Dr. Danish Khan, B.P.Th., 9. Miss Anuja N. Khaladkar, B.A. and 10. Mrs. Mamta S. Shetty.

Awards

1. Mrs. Nandita R. Mhapadi, B.Com., has been awarded the "First Aid Instructors' Cup" for standing first in the examination.
2. Mrs. Mukta Dhariwal, M.Com., has been awarded the "First Aid Instructors' Prize for standing Second in the examination.

NEWS

Government Recognition and Permanent Grant

The Government of Maharashtra, Medical Education and Drugs Department, has been pleased to accord recognition to the College of Ambulance and to sanction the payment of the recurring TOKEN grant-in-aid of Rs.30,000/- per year to the Society towards maintenance of the College, on a permanent basis, from the year 1983-84 onwards vide Government Resolution No.GHD-1082/2666/MED, 4-B dated the 28th July 1983. The grant of Rs.27,000/- for the year 2018-2019 was received on April 30, 2019 for expenses of the College vide Government Resolution No. GIA-2017/Pra.Ka 192/17/Shikshan-1 Dated 8th March 2019.

One day Seminars on First Aid/CPR for Bystanders

No.	Date 2019	No. of Participants	Participants from
19/S/CPR/1	May 4	11	F A Instructors
19/S/CPR/2	May 11	01	Safe Pro, Pune
19/B/FA/3	May 11	09	Safe Pro, Pune

88th Foundation day

A get together of all BCAC associates was held on Saturday, June 1, 2019. There were nine members including present volunteers and Honorary Officer Commanding. A representative of Bright Corporation explained how to use AED (Automated External Defibrillator) on newly purchase AED Trainer. Officer commanding presented changes in guidelines of CPR over a last decade.

General Fund Donations

We have received following donations for General Fund of the Society.

Date 2019	Amount Rs.	Donation received from
April 30	21,000/-	Aatmabodh Academy of Yoga
May 14	1,00,000/-	Shree Mahalaxmi Temple Charities
May 31	10,000/-	Manav Jagruti Foundation
June 11	21,000/-	Aatmabodh Academy of Yoga

ALL OUR SERVICES ARE FREE, BASED ON VOLUNTARY DONATIONS

NOTE: Our alternative Telephone No.66334897 is disconnected

AED TRAINER



Station Fund Donations

We have received following donations for Station Fund of the Society.

Date 2019	Amount Rs.	Donation received from
May 04	700/-	Mr. Hasan Abdul Rashid Khan
June 01	2,000/-	Mr. Ratilal Hirji Dedhia
June 12	1,400/-	Students of Specialist Instructor's Course (I/246)
June 12	1,400/-	Miss Asha B. Achrya
June 12	1,400/-	Miss Nidhi P. Arora
June 12	1,400/-	Miss Mukta R. Dhariwal
June 12	1,400/-	Miss Jagruti R. Kudulkar
June 12	1,400/-	Miss Anuj N. Khaladkar
June 12	1,400/-	D. Danish D. Khan
June 12	1,400/-	Mrs. Nandita R. Mhapaddi
June 12	1,400/-	Mr. Sanjay N. Modi
June 12	1,400/-	Mr. Mahes N. Sawant
June 12	1,400/-	Mrs. Mamata S. Shetty
June 12	1,400/-	Mrs. Shobha U. Sonavane
June 15	10,000/-	Hexcraft Events

**YOU CAN VIEW BRIGADE GAZETTE ON
WEBSITE (bcac.co.in)**

OUR TELEPHONE NO. : 2201 42 95 • Website : www.bcac.co.in

Ambulance Car No. 12 (MH-01-LA-9420 in use since May 2011 is put out of service from May 1, 2019 under rule of RTO Mumbai. The ambulance car is sold for Rs.2,00,000/-. We will be unable to perform ambulance services till we receive new ambulance car. We have booked Marui-Eeco Ambulance (No.13) with Fort on February 8, 2019. Delivery of the ambulance car is expected in July 2019. Unfortunately manufacturing of ambulance car in our budget, are out of production long since.

PART II

History of cardiopulmonary resuscitation

In the 19th century, Doctor H. R. Silvester described a method (The Silvester Method) of artificial ventilation in which the patient is laid on their back, and their arms are raised above their head to aid inhalation and then pressed against their chest to aid exhalation. The procedure is repeated sixteen times per minute. This type of artificial ventilation is occasionally seen in films made in the early 20th century.

A second technique, called the Holger Nielsen technique, described in the first edition of the Boy Scout Handbook in the United States in 1911, was a form of artificial ventilation where the person was laid face down, with their head to the side, resting on the palms of both hands. Upward pressure applied at the patient’s elbows raised the upper body while pressure on their back forced air into the lungs, in essence the Silvester Method with the patient flipped over. This form is seen well into the 1950s (it is used in an episode of Lassie during the mid-1950s), and was often used, sometimes for comedic effect, in theatrical cartoons of the time (Tom and Jerry”) [1949]). This method would continue to be shown, for historical purposes, side-by-side with modern CPR in the Boy Scout Handbook until its ninth edition in 1979. The technique was later banned from first-aid manuals in the UK.

Similar techniques were described in early 20th century ju-jitsu and judo books, as being used as far back as the early 17th century. A New York Times correspondent reported those techniques being used successfully in Japan in 1910. In ju-jitsu (and later on, judo) those techniques were called Kappo or Kutasu.

However, it was not until the middle of the 20th century that the wider medical community started to recognize and promote artificial ventilation in the form of mouth-to-mouth resuscitation combined with chest compressions as a key part of resuscitation following cardiac arrest. The combination was first seen in a 1962 training video called “The Pulse of Life” created by James Jude, Guy Knickerbocker, and Peter Safar. Jude and Knickerbocker, along with William Kouwenhoven and Joseph S. Redding had recently discovered the method of external chest compressions, whereas Safar had worked with Redding and James Elam to prove the effectiveness of mouth-to-mouth resuscitation. The first effort at testing the technique was performed on a dog by Redding, Safar and JW Pearson. Soon afterward, the technique was used to save the life of a child. Their combined findings were presented at the annual Maryland Medical Society meeting on September 16, 1960 in Ocean City, and gained widespread acceptance over the following decade, helped by the video and speaking tour they undertook. Peter Safar wrote the book ABC of Resuscitation in 1957. In the U.S., it was first promoted as a technique

for the public to learn in the 1970s.

Mouth-to-mouth resuscitation was combined with chest compressions based on the assumption that active ventilation is necessary to keep circulating blood oxygenated, and the combination was accepted without comparing its effectiveness with chest compressions alone. However, research over the past decade has shown that assumption to be in error, resulting in the AHA’s acknowledgment of the effectiveness of chest compressions alone. On June 4, 2011 Jeremiah Kliesing “coded” at the Michael DeBakey VA hospital in Houston, TX. Jeremiah underwent 5 1/2 hours of CPR by 20 doctors and nurses before being stabilized and transferred to St. Luke’s Episcopal Hospital, where he’s the second patient to receive the SYNCARDIA artificial heart. One of the doctors who performed CPR was Dr. Donald Lazarus.

CPR has continued to advance, with recent developments including an emphasis on constant, rapid heart stimulation, and a de-emphasis on the respiration aspect. Studies have shown that people who had rapid, constant heart-only chest compression are 22% more likely to survive than those receiving conventional CPR that included breathing. What’s more, because people tend to be reluctant to do mouth-to-mouth, chest-only CPR nearly doubles the chances of survival overall, by increasing the odds of receiving CPR in the first place.

Other animals

It is feasible to perform CPR on animals, including cats and dogs. The principles and practices are similar to CPR for humans, except that resuscitation is usually done through the animal’s nose, not the mouth. CPR should only be performed on unconscious animals to avoid the risk of being bitten; a conscious animal would not require chest compressions. Animals, depending on species, may have a lower bone density than humans and so CPR can cause bones to become weakened after it is performed.

Research

Cerebral performance category (CPC scores) are used as a research tool to describe “good” and “poor” outcomes. Level 1 is conscious and alert with normal function. Level 2 is only slight disability. Level 3 is moderate disability. Level 4 is severe disability. Level 5 is comatose or persistent vegetative state. Level 6 is brain dead or death from other causes.

— From Wikipedia, the free encyclopedia

An Appeal

Since use of our Ambulance Service is very poor, Members and well wishers are requested to give publicity of our Free Ambulance Service.

Suggestions for improvement of our services are welcome.

Donations for the FREE FIRST AID AND AMBULANCE SERVICE STATION FUND will be appreciated.

KINDLY SEND YOUR OPTIONS TO RECEIVE BRIGADE GAZETTE ON WEBSITE (bcac.co.in) OR BY E-MAIL (send your email id)

Edited and Published by Captain R. J. Lad, D.E.R.E., Dip. Amb. Work, Officer Commanding, The Bombay City Ambulance Corps, at Head Quarters, 21 New Marine Lines, Mumbai - 400 020 and printed by him for the owners of the Publication “The Bombay City Ambulance Corps”.

BOOK - POST

To,



From :
THE BOMBAY CITY AMBULANCE CORPS
21 New Marine Lines, Mumbai - 400 020.
Telephone No. : 2201 42 95