

**MASHAV - Israel's Agency for International  
Development Cooperation**

**with**

**The Teaching Center for Trauma, Emergency and MCS**

**RAMBAM Health Care Campus**

invite professionals  
to participate in the

**15<sup>th</sup> International Course:**

**DEVELOPING AND ORGANIZING A TRAUMA SYSTEM**

**and MCS ORGANIZATION**

**June 3–15, 2018**



STATE OF ISRAEL



Israel's Agency for International  
Development Cooperation  
Ministry of Foreign Affairs



for Trauma, Emergency and Mass  
Casualty Situations (M C S)



## About the Course

### Background

The 21<sup>st</sup> century began with a reminder that terrorist attacks and mass casualty situations can happen anywhere. Until recently only a few countries had prepared themselves to deal with natural disasters or terrorists attacks. Over the last several years, there has been an increasing awareness of the importance of emergency preparedness to cope with these emergency events.

A mass casualty situation (MCS) is an unexpected emergency event with a large number of casualties that requires a special organization and response of the local, regional, and national medical systems and other emergency services. The State of Israel is one of a few countries with 70 years of experience in preparing its health care system to deal with a variety of mass casualty situations.

*Rambam Health Care Campus* is often on the front line of a home front war and continues to function at full strength, treating both civilian and army emergencies, as well as regular patients who continue to come to the hospital for treatment. The largest hospital in Northern Israel, Rambam is the tertiary referral center for 12 district hospitals and the **only Level One trauma center** in the region.

The Rambam Campus includes 962 in-patient beds, 57 outpatient beds and employs 5,500 physicians, nurses, paramedical and administrative staff, utilizing advanced technology and imaging facilities. Rambam is affiliated to The Ruth & Bruce Rappaport Faculty of Medicine of the Technion-Israel Institute of Technology, adjacent to the hospital campus, and provides instruction and specialization in various medical fields.

Rambam's experience has dramatically contributed to the body of knowledge related to trauma, emergency and mass casualty situations. This has been translated into lifesaving results—Rambam's mortality rate for severe trauma patients is the lowest in the country. The Trauma Unit at Rambam consists of six fully equipped bays prepared to receive patients 24/7. The trauma team is comprised of two surgeons and two nurses. All trauma surgeons have successfully completed the ATLS course.

The Sammy Ofer Fortified Underground Emergency Hospital Opened in April of 2014. The 2,000-bed Fortified Emergency Hospital Designed based on lessons learned from the Second Lebanon War when 60 rockets fell within a half mile radius surrounding Rambam. When necessary this three level 1,500-vehicle underground parking lot would convert to an active hospital within 72 hours.

### Aims

The course on "Developing and Organizing a Trauma System and MCS Organization" is intended for senior physicians, nurses and paramedics involved in the organization and treatment of trauma victims.

### Course Objectives

- Comprehending the continuity of treatment of trauma patients in a trauma system
- Studying the structures involved in the various phases of treatment
- Developing a model of a trauma system appropriate for the student's country of origin
- Preparing health systems for coping with mass casualty events

## Main Subjects

The course is **not clinical**. Rather, it focuses on the medical organization necessary for handling MCS. The following topics are covered:

1. Structure of a national health and trauma system
2. Treatment in the trauma center
  - a. Acute phase: Admitting area, operating room
  - b. Sub-acute phase: Intensive care units: general, neurosurgery, and pediatrics
  - c. Long-term phase: The surgical departments, including general surgery, maxillofacial surgery, orthopedic surgery, neurosurgery, plastic surgery, etc.
3. Pre-hospital system: Treatment, triage, transport, communication, and quality assurance
4. Trauma coordination—The pillar of a trauma system
5. Teamwork in trauma
6. Steps in developing a specific national trauma system and trauma registry
7. Inter-connections in trauma system, pre-hospital-hospital; intra-hospital; inter-hospital; government
8. Quality assurance
9. Mass Casualty Situations (MCS): Definition and general guidelines, hospital headquarters in MCS, the Information Center and debriefing, and guidelines and protocol including initial assessment and treatment of a single patient
10. Biological, chemical, radiological and toxicological MCS
11. Medical management and treatment of mass casualty patients
12. Lessons learned from war and terror attacks in Israel
13. Training of personnel for MCS
14. Post-traumatic stress disorder (PTSD)
15. Tour of mass casualty treatment sites at Rambam
16. Computerized Systems of MCS Management for the Headquarters
17. MCS Drill
18. Visit to Magen David Adom (MDA), the Israeli pre-hospital organization
19. Visit to emergency departments and trauma units throughout Israel
20. Visit to the IDF School of Military Medicine
21. Visits to Jerusalem and important sites in Israel

## Application

### Application Requirements

**The course is intended for senior physicians, nurses and paramedics involved in the organization and treatment of trauma victims.** All applications will be reviewed by the Organizing Committee; only 25 applicants will be accepted to the course.

- Applicants must speak and write English fluently.
- Application forms must be completed in English and accompanied by a Curriculum Vitae in English and a copy of the applicant's medical degree
- Application forms must be submitted at the Israeli mission in the respective country.

Once accepted, kindly note the following:

- The course is held daily, for approximately 8 hours; meals are included
- There are no days off for the course duration (3-15 June, 2018)
- Provisions *will not* be made for accommodations before or after the course
- Participants must attend **all** lectures **and** activities; failure to attend will prevent the attendee from receiving a course completion certificate

## Application Forms

Application forms and other information may be obtained at the nearest Israeli mission or at MASHAV's website: <http://mashav.mfa.gov.il/MFA/mashav/Courses/Pages/default.aspx>.

Completed application forms, including the medical form, should be sent to the relevant Israeli mission in the respective country **no later than March 4<sup>th</sup>, 2018**.

One additional copy of the application must be sent to Mrs. Yaeli Marom at - [course\\_trauma@rambam.gov.il](mailto:course_trauma@rambam.gov.il)

## General Information

### Arrival and Departure

Arrival date:	<u>Saturday 02.06.2018</u>
Opening date:	<u>Sunday 03.06.2018</u>
Closing date:	<u>Thursday 14.06.2018</u>
Departure date:	<u>Friday 15.06.2018</u>

Participants must arrive at the training center on the arrival date, and leave on the departure date. **Early arrivals/late departures if required, must be arranged by the participants themselves, directly with the hotel/center, and must be paid for by the participant him/herself.**

### Location and Accommodation

MASHAV awards a limited number of scholarships. The scholarship covers the cost of the training program including lectures and field visits, full board accommodation in double rooms (two participants per room), health insurance (see below) and transfers to and from the airport. Airfares and daily allowance are not included in the scholarship.

### Health Services

Medical insurance covers medical services and hospitalization in case of emergency. It does not cover the treatment of chronic or serious diseases, specific medications taken by the participant on a regular basis, dental care and eyeglasses. Health authorities recommend that visitors to Israel make sure they have been inoculated against tetanus in the last ten years. Subject to the full binding policy conditions. Participants are responsible for all other expenses.

The course will be held at **Rambam Health Care Campus**, situated at HaAliya HaShniya St 8, Haifa. Participants will be accommodated at a nearby hotel in double rooms (two participants per room).

## About MASHAV

MASHAV – Israel's Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel's experience in development and planning. As a member of the family of nations, The State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. MASHAV, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel's own development experience to empower governments, communities and individuals to improve their own lives.

MASHAV's approach is to ensure social, economic and environmental sustainable development, and is taking active part in the international community's process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDGs).

MASHAV's activities focus primarily on areas in which Israel has a competitive advantage, including agriculture and rural development; water resources management; entrepreneurship and innovation; community development; medicine and public health, empowerment of women and education. Professional programs are based on a "train the trainers" approach to institutional and human capacity building, and are conducted both in Israel and abroad. Project development is supported by the seconding of short and long-term experts, as well as on-site interventions. Since its establishment, MASHAV has promoted the centrality of human resource enrichment and institutional capacity building in the development process – an approach which has attained global consensus.

<http://mashav.mfa.gov.il>

<https://www.facebook.com/MASHAVisrael>

## **About the Teaching Center for Trauma Systems, Emergency and Mass Casualty Situations (MCS)**

The Teaching Center was established in 1999 with the goal of sharing Rambam's accumulated knowledge with other health care professionals in Israel and worldwide—to save lives.

The Teaching Center organized and successfully delivered **14 international courses** for physicians and nurses, entitled "**Developing and Organizing a Trauma System and MCS Organization**",

And organized many other courses in locally and in host countries, as well as three NATO Advanced Research Workshops on MCS. To date, more than 3,000 participants from 80 countries have been trained by the Teaching Center team in Israel or at a host country including Albania, Argentina, Australia, Azerbaijan, Barbados, Belarus, Belize, Bhutan, Bolivia, Bosnia, Brazil, Bulgaria, Cameroon, Canada, Chile, China, Colombia, Costa Rica, Croatia, Cyprus, Dominican Republic, Ecuador, El Salvador, Eritrea, Ethiopia, Georgia, Germany, Ghana, Guyana, Haiti, Honduras, Hungary, India, Indonesia, Israel, Italy, Jordan, Kazakhstan, Kenya, Kosovo, Latvia, Malta, Marshall Is., Mexico, Montenegro, Mozambique, Myanmar, Nepal, New Zealand, Nigeria, Norway, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Romania, Russia, S. Africa, S. Korea, Senegal, Serbia, Seychelles, Singapore, Sri Lanka, St. Lucia, Tajikistan, Thailand, Turkey, Uganda, Ukraine, Uruguay, USA, Uzbekistan, Venezuela, Vietnam and Zambia.

### **Academic Staff**

Course Director: Hany Bahouth, MD, Medical Director, The Teaching Center for Trauma, Emergency and Mass Casualty Situations (MCS), Rambam Health Care Campus

Course Coordinator: Gila Hyams, RN, MA, Director, The Teaching Center for Trauma, Emergency and Mass Casualty Situations (MCS), Rambam Health Care Campus

Course Administrative Coordinator: Mrs. Yaeli Marom, Administrative Coordinator, The Teaching Center for Trauma, Emergency and Mass Casualty Situations (MCS), Rambam Health Care Campus

### **For further information, please contact:**

The Teaching Center for Trauma Systems, Emergency and Mass Casualty Events  
at Rambam Health Care Campus.

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