

# Newsletter



## Aerospace Medicine Research Center

Fisher Brothers Institute for Air & Space Strategic Studies

Founded By the Israel Air Force Association

Israel Air Force Center. 15 Jabotinsky, Herzliya. Israel Tel: +972 9 9510260, Fax: +972 9 9510261

Vol 1. January 2007

### News:

#### **THE GOLDEN HOUR BETWEEN LIFE AND DEATH LESSON LEARNED FROM 2nd LEBANON WAR**

The Aerospace Medicine Research Center at The Fisher Brothers Institute for Air and Space Strategic Studies will present, the preliminary result of the research study "lesson to learn from second Lebanon war", at the 78th Annual Scientific Meeting of the Aerospace Medical Association in New Orleans, LA.

During 2007 Lebanon war, more than 5000 Israelis have been wounded based on preliminary reports. Among them 4304 civilians and 726 soldiers.

Most of the civilian wounded were evacuated by the National ground ambulance services, while most of the soldiers, including the battlefield casualties were airlifted by the special MedEvac unit of the Israel Air Force.

Most of the civilian injured casualties (n=1530) were hit from rockets launched by Hezbollah, from the south part of Lebanon. Moreover they were evacuated in a very professionally and fast doctrine, in most cases in less than 45 minutes to the nearest hospital, all during a continued missiles and rocket attacks. All by ordinary civilian ambulance and unprotected first responders. While most of the soldiers casualties (n=726) were hit from direct fire and anti-tank missiles in a urban hostile environment with Hezbollah Gorilla asymmetric terror war, less than 20 miles from the north International Israel board.



Although most of the battlefield casualties were evacuated by short MedEvac flights done by Air Force helicopters the total time from the medical event to the definite medical treatment, was by all means significantly longer than the Golden hour doctrine some times more than to seven hours.

The "Golden hour" doctrine - known as the first hour immediately after a serious injury, is critical to the victim's survival, was kept in more than 2000 civilian victims, but not in most of the 300 hundred soldiers that were air lift by the

Israel Air Force MedEvac unit. The lesson to learn: Even if the battle zone is in a very near proximity to a top medical facilities and the flight time takes less than 15 minutes, the primary problem In a asymmetric terror war is how to rescue the casualties during the "Golden hour" to a safe zone, provide them with the primary care they need and than transfer them to a definitive treatment.

For more information please visit our website:  
[www.Fisherinstitute.org.il](http://www.Fisherinstitute.org.il)