

ACSIS 2006

Acute Coronary Syndrome, Israel 2006

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The Israel Heart Society (IHS)

The Working Group on Intensive Cardiac Care
The Working Group on Interventional Cardiology

The Israel Center for Disease Control (ICDC), Ministry of Health

The Israel Society for the Prevention of Heart Attacks

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The Israel Society for the Prevention of Heart Attacks (ISPHA)

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Introduction

Dear Friends,

We are proud to present you with this comprehensive summary of the results of the 2006 ACSIS registry, performed by the IAPHA under the leadership of Prof. Shlomo Behar, whose name has become a synonym for heart-related surveys in Israel over the years. The survey was organized by the Working Group on Intensive Cardiac Care led by Prof. Haim Hammerman and Dr. Shlomi Matetzky, under the auspices of the Israel Heart Society.

The ACSIS Survey has become an important tradition in the State of Israel since 1992. By performing these surveys every two years we are able to gain important information on trends and changes in Israeli cardiology over the years.

The results are indeed very encouraging, and we should all be proud of them. They demonstrate a tremendous improvement in patient care in cardiac intensive and intermediate care units over the years, increasing use of revascularization techniques, increasing adherence to guidelines and an impressive decrease in mortality from acute MI over the years, despite the fact that patients hospitalized with ACS are older and have a worse health profile than in previous years. This achievement is unprecedented in the history of Israeli cardiology and Israeli medicine, and may be one of the best in the world.

We would like to recognize and thank all those dedicated individuals who have worked so hard to make this dream come true. In 25 medical centers in Israel, physicians, nurses and coordinators worked day and night not only to provide the best medical care for patients with acute MI and acute coronary syndromes, but also to collect the information that is summarized here. We are grateful to each and every one of them.

The ACSIS registry could not have been created without the support of the Israeli Ministry of Health, represented by the ICDC and its director Prof. Manfred Green, and without generous support from industry, for which we are all very grateful. We are also grateful for the support provided by the Israel Medical Association, chaired by Dr. Yoram Belashar and Adv. Lea Vafner.

Many thanks to all those who contributed to this project. We trust that you will find in this book fascinating information on acute coronary syndromes in Israel.

Prof. Dan Tzivoni
President
Israel Heart Society

Prof. Michael Glikson
General Secretary
Israel Heart Society

Message from the Israel Working Group on Intensive Cardiac Care

Dear Colleagues,

It has become a blessed tradition to pursue biannually a national prospective survey on Acute Coronary Syndromes. The acronym ACSIS is well known and respected amongst cardiologists worldwide dealing with acute cardiac care.

We are proud to publish a summary of ACSIS 2006 and still more interesting data to come in the format of fine peer-reviewed manuscripts on a variety of issues dealing with this important subject.

The results of this survey reflect the high quality of the acute cardiac care in Israel and represent the excellent and devoted work of staff in the ICCU's and cardiology departments in Israel.

We are grateful to all our numerous friends and colleagues nationwide who have collaborated with us and contributed in this task.

Special thanks to the leader of this survey, Prof. Shlomo Behar and his outstanding staff at The Israel Society for the Prevention for Heart Attacks.

We intend to continue this effort in the future, and hopefully, in line with the progress of this brave new world, we will be able in the near future to switch gears towards an ongoing online registry.

Sincerely,

Prof. Haim Hammerman
Chairman
The Israel Working Group
on Intensive Cardiac Care

Dr. Shlomi Matetzky
Secretary
The Israel Working Group
on Intensive Cardiac Care

Background

The present brochure presents data from the 8th Biannual National Survey on Acute Coronary Syndromes (ACSIS 2006), which was carried out in all ICCU's and Cardiac Departments in Israel.

The biannual surveys, which have been carried out since 1992, have made it possible for the Israel Heart Society, the Israel Center for Disease Control and the Israel Society for the Prevention of Heart Attacks to follow and evaluate trends in the management of patients with ACS in Israel.

During the past decade we have observed a steady increase in the recommendation of medications and a shifting of type of reperfusion therapy from thrombolysis to primary PCI. It should be emphasized that 22 out of the 25 medical centers treating ACS patients in Israel are equipped with catheterization facilities, and there are 10 active cardiac surgery departments in the country, allowing all ACS patients access to modern treatment, independent of their region of residence.

The changes in management during the last two decades are considerable, and so is the improvement in outcome: we have observed a striking reduction in both early and late mortality, between the first survey (1992) and the latest survey (2006). As one can see from recent brochures, the improvement in medical care and management is evident even since the 2000 survey.

National and international surveys and registries have been recognized as essential tools for quality control, for the improvement of patient care, for the improved implementation of guidelines in the community, for research and for medical education. These are the main purposes of the ACSIS project which has been running for almost two decades.

We would like to thank the staff members of all CCU's and Intermediate Wards of all participating Cardiac Departments, the Israel Center for Disease Control and the staff of the Coordinating Center of ISPHA, who together have contributed to the success of ACSIS for the benefit of cardiac research and the improvement of medical care of patients with ACS in Israel.

Prof. S. Behar, Survey Coordinator
Israel Society for the Prevention of Heart Attacks
Neufeld Cardiac Research Institute
Sheba Medical Center, Tel Hashomer
Israel

Participating Centers



Zefat - Rebecca Sieff; **Tiberias** - Poriah; **Nazareth** - Nazareth Hospital; **Afula** - Central Hae'mek; **Nahariyah** - Western Galilee; **Haifa** - B'nei-Zion, Rambam, Carmel; **Hadera** - Hillel Yaffe; **Netanya** - Laniado; **Kefar Sava** - Meir; **Tel Aviv Area** - Sheba, Rabin Beilinson, Rabin Golda, Sourasky, Wolfson; **Be'er Ya'aqov** - Assaf Harofeh; **Rehovot** - Kaplan; **Jerusalem** - Bikur Holim, Sha'arei Zedek, Hadassah Mount Scopus, Hadassah Ein Kerem; **Ashqelon** - Barzilai; **Be'er Sheva** - Soroka; **Eilat** - Josephtal

Foreword

This booklet is the fourth in a series of publications which describe and analyze the results of the National ACS Israeli Survey. This survey (ACSIS 2006) was conducted by the Working Groups on Intensive Cardiac Care and on Interventional Cardiology of the Israel Heart Society, with the support and collaboration of the Israel Center for Disease Control, Ministry of Health. The conducting of the study, data management and analysis were carried out at the coordinating center of the Israel Society for the Prevention of Heart Attacks (ISPHA).

The data in this publication relate to all patients with ACS who were hospitalized in cardiology departments and intensive coronary care wards in the 25 medical centers operating in Israel, during the months of March-April, 2006. The first chapter presents data comparing characteristics, care and outcome of patients who presented with ST elevation, with patients who presented without ST elevation. Successive chapters present a comparison of patients with discharge diagnosis of AMI compared to those diagnosed with UAP, and selected gender differences in characteristics, management and outcome. Additional chapters present selected characteristics analysed by population group (Israeli Jews vs Israeli Arabs) and an analysis of trends with regard to selected findings of national ACSIS surveys conducted between 2000-2006.