

ZIV NEWSLETTER SUMMER 2018



Opening Ziv's PET CT Institute

During the festive opening of the PET CT Institute, Deputy Health Minister Yaakov Litzman stated that the advancement of the health services in the periphery is of top priority to the Ministry of Health.

-91-year-old Holocaust survivor Mr. David Klein, a respected and admired donor to Ziv was the guest of honor of the event.



(l to r): MK Yifat Shasha Biton; Ms. Lior Elkayam, Program Manager, The International Fellowship of Christians and Jews; Mr. Ilan Shohat, Mayor of Zefat, Dr. Salman Zarka, Director, Ziv Medical Center.

In his speech he stated "I have made numerous donations in my life-time, but when I learned about the significance of the MRI and PET-CT, and that if either is needed, the half a million people who live in Zefat and the surrounding towns, have to travel to Haifa or Tel-Aviv, I realized that after all my travels and tribulations, this was my *raison d'être* and my *Tikun Olam*".

Dr. Moshe Bocher, previously from Hadassah Hospital in Jerusalem and now director of the new PET CT Institute stated that "The combination of the two methods, PET and CT in one device, has led to a significant breakthrough in the field of medical imaging and treatment of cancer, lowering the radiation dose for the subjects, while maintaining the quality and accuracy of the image".



(l to r): Mr. Pinhas Grinberger, Dr. Salman Zarka, Deputy Minister of Health, Yaakov Litzman, Mr. David Klein, Mayor Ilan Shohat.

Many thanks to Mr. David Klein and to Rabbi Yechiel Eckstein, President of The International Fellowship of Christians and Jews, whose generous donations enabled the opening of the PET CT Institute.

Ziv Medical Center is a general hospital in northern Israel incorporating a level II Trauma Unit and the only northern hospital offering radiotherapy treatment to the residents of the Galilee and Golan Heights. As a front-line hospital, Ziv provides medical care to IDF soldiers and UN peacekeepers serving in the region. Since February 2013, Ziv has provided humanitarian life saving medical assistance to Syrian civilians, wounded in the civil war raging in Syria.

Ziv Medical Center patients and staff reflect the multi-ethnic and religious diversity of the area, coming from cities, towns, and agricultural villages and including Jews, Muslims, Christians, Druze, Circassians and Bedouin.



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President Rivlin Hosts Ziv Delegation



Israeli President, Mr. Reuven (Rubi) Rivlin, recently hosted members of Ziv Medical Center's staff. The President thanked Dr. Zarka and the staff of the Medical Center saying "Ziv Hospital is in a critical location for Israel's security; you are doing a wonderful job and representing the beautiful face of Israel."

Dr. Salman Zarka, Director of Ziv Medical Center expressed his gratitude to President Rivlin for his hospitality and said that it is a great honor for both the Ziv staff present and those remaining on duty in the hospital.

The members of the delegation presented themselves to the President as "The Ziv Family" and invited the President to visit the Galilee and Ziv Medical Center.

Medical Exchange with Ludwigsburg

Now in its third year, the medical exchange program with Kliniken Ludwigsburg is proving to be an excellent learning experience for doctors and nurses in both hospitals. In March, Dr. Jolanta Valutkeviciute, Resident in Gynecology and Obstetrics and Ms. Desislava Dimitrova, from the Anesthesia Department, were hosted at Ziv, while Ms. Tamar Erel, Head Nurse of the Recovery Unit and Mr. Shauli Kabesa, Deputy Head Nurse of the Emergency Department, were guests of the Kliniken.

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ZIV NEWS

Innovative Surgical Freezing Technique

Cryotherapy is an innovative medical procedure which involves freezing cancer metastasis using liquid nitrogen. This method employs extreme cold to freeze and kill cells of cancerous tissue at a certain density, thus avoiding the need to surgically remove the entire organ.



Dr. Ran Katz (left)

Dr. Ran Katz, Head of Ziv's Urology Department, recently performed this procedure on the kidney of a 60 year-old patient. "The advantage to the patient is that this approach significantly reduces the risk of complications arising from surgery deep within the body; there is minimum pain, no scar tissue, no need for stitches and the patient can be released that very same day", stated Dr. Katz.

This new method could be suitable for patients with breast, kidney, bone, lung and liver cancer. It allows treatment in dense areas of the body which are sometimes considered problematic for surgery. This is an innovated and now advanced Israeli technology, which has been used in just a number of hospitals worldwide.

3D Oral and Maxillofacial Surgery

For the first time, doctors at Ziv printed a woman's skull using a 3D printer in preparation for a complex operation involving surgical removal of a cyst and symmetrical realignment of the facial tissues with the use of a titanium implant.

The surgery was carried out under full anesthesia by Dr. Daniel Lazmas and Dr. Keren Yudovitch, specialists in the Oral and Maxillofacial Surgery Unit. Dr. Lazmas said that with the printer they were able to print a -3D acrylic model of the CT imaging, thus enabling the implant to be precisely matched during the operation to the patient's facial shape and saving two hours from the actual operation.

The model was printed by Dr. Alejandro Roisental, head of Ziv's Oral and Maxillofacial Surgery Unit, Dr. Sion Koren, Ziv's Chief Physician and medical student, Mr. Itamar Tzadok, Ziv's -3D Coordinator. Ziv's -3D printer was generously donated to Ziv by Intel, Su-Pad and Stratsys.



Pacemaker Transplant

Dr. Alexey Popov, a spinal surgeon and pain control specialist at Ziv, successfully performed a pacemaker transplant for treating chronic back pain in a patient from the Golan Heights. The pacemaker, a nerve stimulation device, disrupts the transmission of pain signals to the brain and is used to treat chronic pain in the back, neck, arms, and legs. The pacemaker's battery is recharged via WIFI. Following surgery, the patient reported a %50 reduction in the intensity of his pain as well as great improvement in his quality of life.

This surgery is a first of its kind in the northern region of the country.

Advanced Digital Resuscitation Models

Sophisticated digital CPR models are now being used in Ziv's Pediatric Emergency Unit to simulate basic and advanced medical resuscitation.



Dr. Danna Krupik, Director of Pediatric Emergency Medicine at Ziv, says that the two models, one simulating a baby and the other a -6year-old boy, are accompanied by an advanced simulator that enables the programming of desired training activities, as well as connection to the monitors used to check the condition of children in emergency. The monitors provide a picture of the vital indicators programmed into the model's simulator.

NEW APPOINTMENTS

- Dr. Anan Abbasi, Deputy Director of Ziv.
- Prof. Eliahu Gez, Director of Ziv's Radiotherapy Institute.
- Dr. Alexey Bukin, Deputy Director of the Department of Surgery.
- Dr. Otzem Chassid, Director of the Ophthalmology Department.
- Ms. Eti Amir, Head of the Nutrition Unit.

VISITING ZIV

Ziv has now marked five years of assistance to Syrian casualties of the Civil War in Syria. Many visitors from around the world have come to Ziv, meeting with physicians treating the patients and even with the patients themselves.

Following the final of the Super Bowl 2018 - the American football championship, broadcast to hundreds of millions of viewers around the world, 7 players from the National Football League (NFL) visited children and their families in the Beit Ida Child Health Center at Ziv. Meeting with Dr. Michael Harari, a senior pediatrician and with social worker Mr. Fares Issa, the players distributed signed shirts and hats as well as toys to the children.



NFL Football Players at Ziv

A delegation headed by the Director General of the Middle East and North American Division of the Singapore Foreign Ministry, Mr. Omej Bhatia met with Dr. Anan Abbasi, Ziv's Deputy Director and social worker Mr. Fares Issa.



Dr. Abbasi with Mr. Bhatia

Senior surgeons from Washington, DC who came to learn about the treatment of complex trauma and war injuries were impressed with the care and empathy of the staff, in their treatment offered to the Syrian casualties. Dr. Evgeny Solomov - Head of the Surgery Department; Dr. Alexander Braslavsky - Director of Trauma Unit; Dr. Andrei Fedorenko - Surgeon; Nurse Mr. Dudi Fuchs - Trauma Room Coordinator, were among the staff who met with the guests.

A delegation of senior gynecologists from hospitals in Minsk, Belarus, attended three days of study and practical experience with Dr. Na'ama Marcus, Head of the Uro-gynecologic service. The members of the group expressed their satisfaction with the visit and their hope for future cooperation, including a visit of physicians from Ziv to Belarus hospitals.

Three senior Russian physicians spent a month visiting the Department of Surgery at Ziv, headed by Dr. Evgeny Solomov, to increase their knowledge and learn new techniques in the field of liver and colorectal cancer surgery.

A Russian delegation of orthopedic specialists met with Prof. Alexander Lerner, Director of the Orthopedic Department, and Dr. Alexander Chelnokov, a senior orthopedist, to learn about treatment of complex bone fractures. They participated in simulated plastic surgery procedures on plastic bones. The delegation met with Dr. Salman Zarka, who stressed the importance of the location of the medical center in close proximity to the border.

Mr. Irwin Field, a philanthropist from the Jewish Federation Council of Los Angeles, and his wife Helgard met with Prof. Anthony Luder, Director of Ziv's Pediatric Department, to learn about Ziv and the medical advances in the north of the country, as well as of the humanitarian assistance provided to the wounded from Syria. The visitors were moved by what they heard and expressed their blessing for this important work.



Mr. Field and Prof. Luder

Second graders from the Vilkomich School in Rosh Pina, their parents and the educational staff raised funds to purchase a Retinoscope (an instrument for visual examination) and to support the ongoing project of "Dream Doctors", medical clowns who offer support and encouragement to patients undergoing complicated treatments.

Ms. Brigitte Gabriel, an international journalist and authoress, born in Lebanon and living in the USA, brought tears to all who listened to her fascinating story of how her mother's life was saved by the Ziv staff 36 year ago, when she was injured during the 1982 war between Israel and Lebanon. Ms. Gabriel stated that her encounter with Israelis during that time changed her conception of them and led her to voice her support for Israel and her distaste for radical Islam in many international forums.



CONGRATULATIONS

Dr. Alejandro Roisental, Head of Oral and Maxillofacial Surgery, for receiving the distinguished International Award from the Spanish Society of Buccal Surgery (SECIB) 2017.

Dr. Alexander Goldberg, Head of Invasive Cardiology, received a distinguished award for the best case presentation in the field of complex catheterization in the Trans Catheter Therapeutics Asia-Pacific Conference, held in Seoul.

For the second time, Mr. Ala Elias, a Medical Engineer at Ziv, was selected by the Ministry of Foreign Affairs, in cooperation with Ziv, to travel to Sierra Leone, Africa, to establish a dialysis institute and to train the local technical staff.

The Council for a Beautiful Israel and the Home Front Command's "Award for Excellence" was presented to Ziv and accepted by Director Dr. Salman Zarka at a ceremony held at the Center for a Beautiful Israel in Tel Aviv.

CONFERENCES

Pharmaceutical Conference

Under the heading "Innovations and Trends in Modern Pharmacology", the 14th International Pharmaceutical Conference, organized by Mr. Zuheir Farraj, Director of Ziv's Pharmaceutical Services, was held in cooperation with the Ministry of Health, the Forum of Hospital Drug Administration Directors and the Pharmaceutical Society of Israel.

The one hundred and fifty participants included doctors, pharmacists, lecturers from Israel and abroad and representatives of the leading pharmaceutical companies.

Physiotherapist Seminar

The Ziv Walker Clinic enables children with cerebral palsy and similar disabilities to experience movement and mobility. Physiotherapists Ms. Leora Shaniuk and Ms. Sharon Eisenberg, in cooperation with the School of Physical Therapy at the Zefat Academic College, initiated and organized a seminar which was attended by health care professionals from various disciplines as well as parents of children with special needs. The emphasis was on joint learning, with the aim of providing therapeutic solutions for the children.

Research Day

A number of studies currently being conducted at Ziv were presented at the first Research Day held at Ziv, initiated by Dr. Radi Shahien, Head of Ziv's Neurology Department and Research Institute. The conference, followed by a ceremony in which research grants from the Ministry for the Development of the Periphery, the Negev and the Galilee, represented by its Director General, Mr. Ariel Mishal, were awarded to a dozen doctors and researchers from around the Galilee, including to Dr. Shahien and Dr. Hadar Neuman, Head of the Ziv Research Laboratories. This research grant was awarded towards a new study in collaboration with Dr. Omry Koren from the Bar Ilan University's Azrieli Faculty of Medicine, of the human microbiome in connection with Parkinson's disease.



(l to r): Ms. Yehudit Hakmon, Dr. Radi Shahien, Dr. Hadar Neuman, Dr. Ayelet Omer-Armon

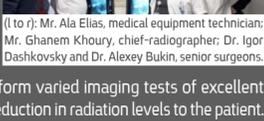
Suicide Tendencies in Adolescents

An emergency psychiatric clinic, the first in a general hospital and only the second in Israel, opened recently at Ziv with the aim of providing immediate short-term intervention in cases of attempted suicide or high risk situations among children and adolescents.

A professional conference recently held at Ziv addressed the issue of child and adolescent suicide, including emotional issues characteristic of adolescence. Dr. Uri Yatzkar, Senior Psychiatrist and Director of Ziv's Child and Adolescent Mental Health Department, and one of the conference's organizers, explained the importance of raising awareness of the subject of suicide among teenagers in order to aid in recognizing and dealing with the issue.

NEW EQUIPMENT

The most advanced digital imaging system of its kind has been installed in the Imaging Department, headed by Dr. Marcelo Daitzchman.



(l to r): Mr. Alan Elias, medical equipment technician; Mr. Ghanem Khoury, chief-radiographer; Dr. Igor Dashkovsky and Dr. Alexey Bukin, senior surgeons.

The system enables the professional team to perform varied imaging tests of excellent quality with a significant reduction in radiation levels to the patient.

Dr. Alexander Visokj, a senior urologist at Ziv is using a new instrument for the external crushing of urinary tract and kidney stones. In the past, %15 of the patients suffering from transparent kidney stones had to undergo invasive procedures.

An advanced device is now in use in Ziv's Pulmonary Clinic, headed by Dr. Amital Anat, designed to assist in early detection and evaluation of complex lung diseases such as asthma, chronic obstructive pulmonary disease (COPD), idiopathic pulmonary fibrosis and other ILD.



The Microbiology Laboratory under the direction of Ms. Hila Ben Amram has recently expanded to include a new laboratory for molecular microbiology. For the first time, molecular biology (molecular PCR) will be performed at Ziv, which until now, had to be carried out elsewhere.

MANY THANKS TO OUR GENEROUS DONORS

Greatly Needed - Nuclear Camera!

With the opening of the PET CT Institute, Ziv's Department for Nuclear Medicine is in urgent need to replace its 10 year-old SPECT-alone gamma camera, upgrading it to a modern SPECT-CT camera, with the aim of providing a state-of-the-art medical care to the population of northern Israel, in all fields of regular nuclear medicine, including cardiac, orthopedic and oncological studies. The SPECT-CT is a technology which is rapidly gaining recognition as the method for optimizing the diagnostic capabilities of single photon imaging. This is becoming the base of regular nuclear medicine applications, with very considerable impact on patient management.

The cost of the SPECT-CT Camera is 750,000\$. Your contribution towards purchasing this device will greatly assist us.

"HOW TO DONATE" EVERY GIFT HELPS OUR PATIENTS

Matching funds and donor recognition are available.
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