

# Rambam

ISSUE No. 20 | SEPTEMBER 2017

*on call*

## Head and Neck Cancers

Promising New Approaches to Care

## Clinical Trials

The Treatments of the Future, Today

## Adults with Congenital Heart Defects

A New Medical Specialization

21st Century Medicine

Rambam at the Cutting Edge

## The 2017 Rambam Summit

The Kidney, Genetics and Beyond

Departmental Rounds  
Plastic and Reconstructive Surgery Department



**RAMBAM**

Health Care Campus

Creating the future of medicine.





# Rambam *on call*



*Dear Friends,*

Throughout the year, Rambam is a bustling hub of medical caregiving and research, where, as you will see in these pages, the innovations that are helping us live longer and healthier are already a reality.

This issue of **Rambam on Call** features highlights from the recent 2017 Rambam Summit, with its focus on kidney disease and the fruitful synergy between nephrology and genetic research. The establishment of the new Harvey and Gloria Kaylie Kidney Health Center of Excellence, announced at the Summit, is

cause for great optimism for kidney disease patients in Israel and worldwide.

Each new addition to our health care campus represents upgraded treatments for our patients, and the promise of new breakthroughs in medical science. Among the important developments are the recent groundbreaking for the new Eyal Ofer Heart Hospital, an entirely unique cardiac health center in Israel, if not the world, and the opening of the Herta and Paul Amir Neurosurgical Intensive Care Unit, offering world-class facilities and care to trauma and other patients.

I invite you to share in our excitement and pride as we strive to remain at the forefront of innovative, patient-centered healthcare.

Sincerely,

**PROF. RAFI BEYAR**

Director and CEO  
Rambam Health Care Campus



**WISHING YOU  
A SWEET, **HEALTHY**  
AND HAPPY NEW YEAR!**



**RAMBAM**  
Health Care Campus

*R. Beyar*  
Professor Rafi Beyar  
Director & CEO



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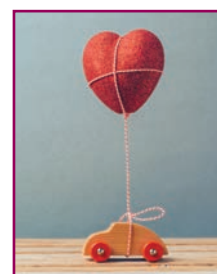
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## Team Work

>> Erela Tarlev Ben-Shahar

### Departmental Rounds ▶ Plastic Surgery Department

Orly Ben Dahan, Head Nurse, 50, Married + 3 children



#### 1 What does your work entail?

Our department cares for patients with many different conditions, from burns to amputations and reconstructive surgery, to military casualties. Many of the cases are particularly severe, which makes our work especially challenging and significant. As head nurse, I oversee the care for patients, which sometimes requires coordinating professionals from different fields— from our own plastic surgeons and nurses, to the trauma unit, physical and occupational therapists, dieticians, and social workers. I am also responsible for the nursing team, making sure they are properly trained and informed, and giving them the professional and personal support they need. I also make sure to be patient and supportive for the patients as well.

#### 2 What principles guide your work?

I never forget that the patient is our primary concern. I will make every effort to protect their rights, their dignity, and their confidentiality, while keeping them informed about their treatment and advocating for their wellbeing. And, of course, extend to them the best care possible.

#### 3 What are your most satisfying moments?

When I see a patient who was admitted to us with severe burns, and, after an extended stay in our department, leaves on their own two legs, with a smile on their face. That is deeply satisfying. Receiving thank you letters from patients who appreciate the professional and devoted care they were given at the department - those letters are also very gratifying.

#### 4 Are there difficult moments?

Treating burn patients is very hard, since they suffer so much, particularly while bandaging their wounds. Even with the pain killers they receive, it is still very painful – both physically and emotionally. But I don't allow myself or the staff to break down in front of the patients.

#### 5 What are you especially proud of?

I'm proud of my staff. Each one is a caring, empathetic professional who knows how to give a smile along with their professional care. Thanks to my long experience as a nurse, I feel I am able to instill in my staff an understanding of what is needed to help patients feel secure, involved in the healing process and empowered to deal with the hospitalization period.

#### 6 How does your family view your work?

I am blessed with a supportive and loving family, that is patient and understanding. Everyone at home knows that even in the middle of a family meal or party, I may need to answer a call or even go to the hospital, and they always understand and support me.



24/7

## Pediatrics "A" Department – Ruth Rappaport Children's Hospital



**08:00** Head Nurse Irit Elisha and Nurse Tehila Elbaz meet in the medications storeroom to prepare the morning's medications for the department's young patients, while Nurse Olla Goldstein confirms the correct medications and dosages on the computer.



**10:00** Dr. Suhair Hanna, filling in for the Department Director, examines a child referred to them by a smaller hospital that was unable to perform the surgery they felt she needed. Together with Dr. Gal Neuman, the two pediatricians decide to forego surgery and follow a medication-based treatment strategy.



**11:30** Dr. Wisam Abozaid examines a patient diagnosed with sudden onset of an autoimmune disease that could damage her kidneys. Nurse Simha Philosof gently explains to the patient that she will be staying at the hospital for testing and monitoring.



**13:00** During the doctor's rounds, the department team discusses the case of a child diagnosed with epilepsy, and weigh the advantages of prescribing a new anti-seizure medication considering its associated, albeit rare, side-effects.



**14:00** R-L: Amalia Elkin, Mazal Avera, Balaia Sakhlie and Natalia Kalmaf enjoy a break between doctor's visits and caring for patients and their parents, to catch up on the events of the day, new professional insights and developments at home.



**16:00** Dr. Suhair Hanna and Amalia Elkin discuss discharge plans with the parents of a young patient, explaining the care she will need to receive at home and answering their questions. This is standard procedure for all patients before they are discharged from the department.

# The Heart Guardians

In the 1980s, surgery to repair congenital heart defects became a routine procedure. Now, decades later, a cohort of adults living with mended hearts has given rise to a new medical specialty.

>> Erela Tarlev Ben-Shahar











It wasn't long ago that congenital heart defects were beyond the scope of medical care, and children born with heart defects didn't survive their first years of life. Today, thanks to developments in heart surgery, 85% of children born with heart defects reach adulthood," explains Dr. Sergei Yalonetsky, a cardiologist and director of Rambam's Adult Congenital Heart Defects Service. Yet alongside this heartwarming news, the ability to surgically treat heart defects in children has created an entirely new population requiring a very specific type of medical care, and a new medical field to accommodate them. The first pediatric surgical interventions to correct heart defects began in the United States in the late 1930s, and each advance led to new developments, so that, by the 1980s, corrective surgery to repair heart defects in infants was already routine. Those babies, now in their 30s, belong to a considerable group of adults with unique medical profiles and healthcare needs.

## A New Specialization

There is clear consensus, states Dr. Yalonetsky, that adults who were born with heart defects, whether they were corrected with surgery or not, should be monitored throughout their lives. Yet finding specialized medical care for this condition can be a major challenge. Some adults continue to see their pediatric cardiologists, whose expertise may not cover them. Others simply live without any professional oversight. Even those who see a cardiologist may not get the care they need, since the issues associated with congenital heart defects are highly specialized.



Adults who were born with heart defects, whether they were corrected with surgery or not, should be monitored throughout their lives

Dr. Sergei Yarnetsky



Fortunately, after an article published in 1991 in *Circulation*, the journal of the American Heart Association, called for the establishment of a new medical specialization in congenital heart diseases in adults, this situation began to change. Soon afterwards, professional associations were established for specialists in the field, and patients themselves even established the Adult Congenital Heart Association. Today, experts and clinical settings that specialize in congenital heart defects in adults can be found in the United States, Canada and Europe. In Israel, Rambam's Adult Congenital Heart Defects Service is one of four such centers. Its team of cardiologists and surgeons serves over 1000 patients, ages 18–85, from throughout the north of the country. The director, Dr. Yalonetsky, is a cardiologist who received specialized training in Rambam's Pediatric Cardiology Department, and at the Toronto Congenital Cardiac Centre for Adults, one of the largest centers in the world serving this unique population.

## A Lifelong Matter

Why is it so important for adults with congenital heart defects to be monitored? Some, who were operated on as children, prefer to consider the episode a childhood illness they recovered from – but this assumption, according to Dr. Yalonetsky, is misleading. "In most cases,



the type of heart surgery they underwent as children was intended to improve their condition, but not expected to entirely cure it. Over the course of their lives, additional symptoms can suddenly appear.”

## What Symptoms?

“Congestive heart failure, arrhythmias, infections in the heart - all of these are complications that can develop in adults with congenital heart defects.” Even the exertions of day-to-day life take on special significance for those living with a “repaired heart.” For this reason, the professionals who care for these patients must have a thorough understanding of their condition, the kind of exertion they can tolerate, and what activities they should avoid.

Describing the dilemmas he hears from patients, Dr. Yalonetsky observes, “Most are young people who want lead active lives like their friends. I advise them which sports are best for them, as well as the degree and level of exertion they should

maintain. When they enlist in the army, we ensure they receive the proper medical profile and know what positions they can fill - and those they can’t. When they choose a job, we need to make sure it suits their physical condition and doesn’t put them at risk. And naturally, for women patients, when they want to start a family, we need to make sure that their heart can handle the stresses of pregnancy and birth. During pregnancy, heart function increases to supply blood to the baby, so we need to take special precautions.” It isn’t always life’s challenges that cause an adult with a repaired heart to need medical monitoring. Decades after surgery performed during infancy or childhood, the condition of the surgical intervention needs to be reassessed. In fact, these procedures may or may not last a lifetime.

In addition to all that, adults with congenital heart defects are prone to developing adult diseases, such as congestive heart failure, hypertension, and diabetes. “Except when these diseases appear in these individuals, explains Dr. Yalonetsky, they require special attention and treatment.”

## What does this imply in terms of ongoing monitoring?

“That adults with congenital heart defects need to be under regular observation - even if they feel fine. That way, problems can be detected early on, before they are more difficult to treat. When complications such as congestive heart failure, arrhythmias and infection begin to develop, they don’t always present symptoms. But periodic tests will indicate their presence so they can be immediately treated.”

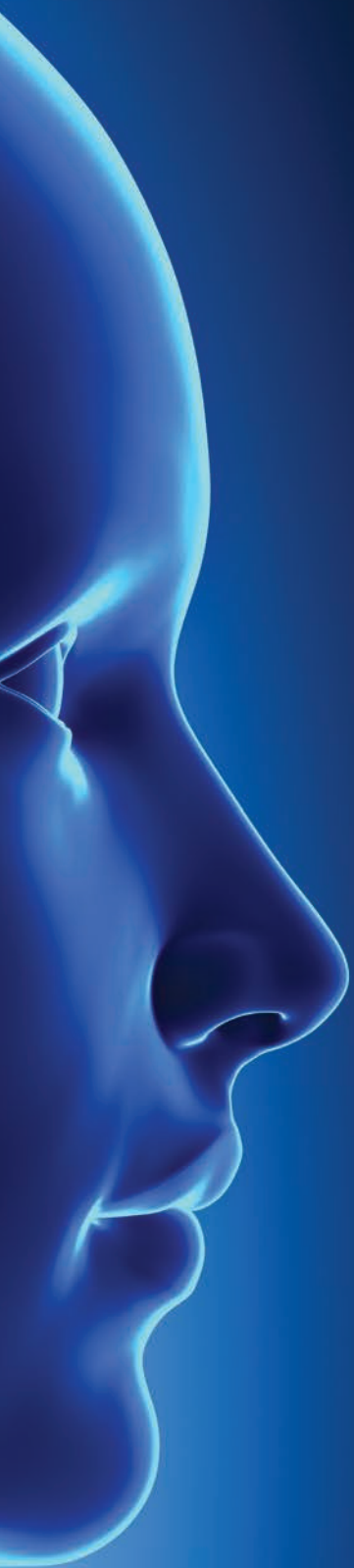
Medical Consultant:



Dr. Sergei Yalonetsky  
Director, Adult Congenital Heart Defects Service  
Rambam Health Care Campus







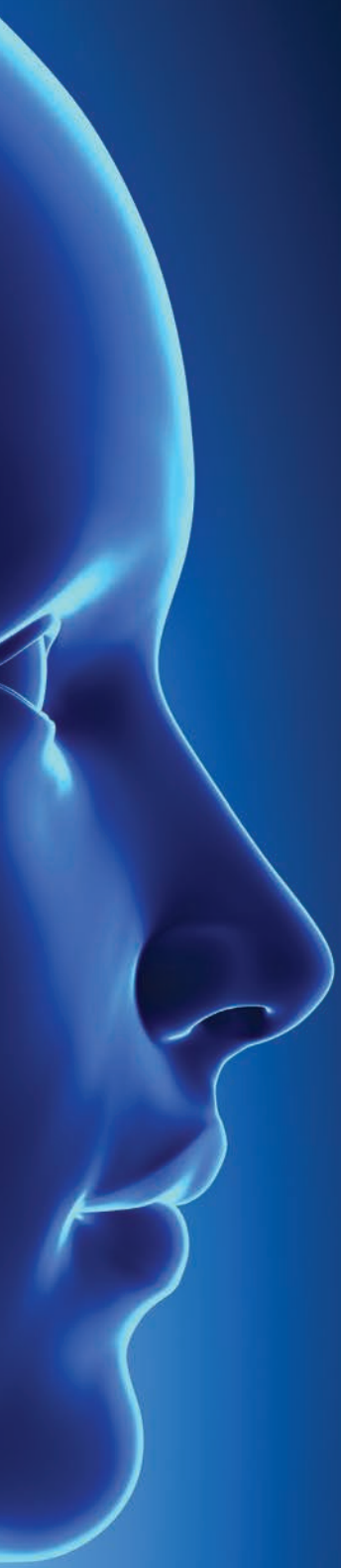
# From the Shoulders

# Up

A look into the latest  
developments for cancers of  
the head and neck.

>> Sherri Shein





“Treating cancers of the head and neck is a very specialized field, requiring a professional team

with extensive knowledge and a high level of expertise,” explains Dr. Salim Billan, Director of the Head & Neck Oncology Unit at Rambam. According to Dr. Billan, some 300 new patients with cancer of the head or neck are treated at Rambam’s Head & Neck Oncology Unit each year. The unit’s multi-disciplinary professional team includes an oncologist, head and neck surgeon, maxillofacial surgeon, EEG specialist, oral health specialist, plastic surgeon, general surgeon, nuclear medicine specialist, radiologist, pathologist, dietician, social worker, and nursing support services - all trained especially for this field. Once their treatment is completed, discharged patients remain under observation by the unit team, and professionals from different fields are called in to meet any needs as they arise.

The Head & Neck Oncology Unit offers patients not only a gifted and dedicated multi-disciplinary professional team, but access to some of the most advanced treatment approaches and technologies as well. Here are some of them:

### **Robotic Surgery**

More and more surgical procedures are now being performed using robotics - to remove both malignant and benign growths. Robotic surgery enables surgeons to access sites that would be unreachable using standard surgical methods, with high levels of precision that would otherwise be impossible to achieve. Rambam’s surgical team has already accumulated extensive



expertise in robotic surgery, and is using it to develop new, minimally invasive applications and techniques. For surgeries to remove tumors at the base of the skull, for example, the standard approach requires making incisions in the neck, which entails long recovery times and a high risk of complications. Using robotics, Rambam surgeons are able to access these tumors through the patient’s mouth, with excellent results, shorter hospitalization times and a faster recovery.

### **Pinpoint Precision Radiotherapy**

Innovations in radiotherapy are also transforming patient care, with technological advances that are especially significant when treating cancers of the head and neck. This area is especially sensitive to radiation, since proximate organs and tissue can be irreparably damaged by exposure to high doses of radiation. Rambam has recently introduced several new radiotherapy technologies that deliver high doses of radiation only to the tumor, while sparing the surrounding healthy tissue. As a result, patients receive highly effective treatment, with fewer side-effects and a significant improvement in quality of life.

### **Intensity-modulated radiotherapy (IMRT).**

If in the past, radiotherapy was administered uniformly, IMRT enables the radiation treatment to be divided into different levels of intensity, and delivered at different angles. The higher intensity is directed precisely at the tumor, while the lower intensities reach the surrounding tissue at risk.

 Among recent, major advances in drug treatments for cancer, new immunotherapy drugs are providing fresh hope for patients with cancers of the head and neck. 

## Volumetric modulated arc therapy (VMAT)

An advanced form of IMRT, VMAT incorporates special rotating technology and software that enables delivery of the same precision levels of modulated radiotherapy, with significantly shorter treatment times. A treatment session that would normally take 20 minutes can be shortened to six minutes with VMAT.

## Stereotactic Radiotherapy

This new therapy approach, recently introduced at Rambam, administers single, large doses of radiation or a number of small segments with pinpoint precision, and is used mainly to treat small sized tumors (malignant and benign) of the brain.

## Immunotherapy for Head and Neck Cancers

Among recent, major advances in drug treatments for cancer, new immunotherapy drugs are providing fresh hope for patients with cancers of the head and neck. Unlike routine surgery, chemotherapy, biological treatments and radiotherapy, which target tumors directly, immunotherapy focuses on reinforcing the immune system so it can better fight proliferating cancer cells. Specifically, these drugs bind with PD1, a protein found on T cells in the immune system, to boost an aggressive response to foreign cancer cells. PD1 inhibitors are already approved for use in other types of cancer, including metastatic melanoma,

certain types of lung cancer, and kidney cancer; they were recently approved for treating certain cancers of the head and neck.

For some patients, immunotherapy has been notably successful in treating advanced metastatic cancers of the head and neck that didn't respond to chemotherapy and biological treatments - doubling their survival rates after a year while significantly improving their quality of life. Some patients are even able to achieve long-term survival under this treatment regimen.

## Cervical Cancer Vaccine for Head and Neck Cancers

In recent years, there has been an alarming rise in cancers at the base of the tongue and tonsils. International studies have found that the same Human Papillomavirus (HPV) that causes cervical cancer is responsible for these cancers as well. It is predicted that, by 2020, cancers at the back of the throat will be more prevalent than cervical cancer. This trend is reflected in the current recommendations for children to receive the HPV vaccination.

Fortunately, patients with tumors resulting from HPV respond better to treatment than those whose tumors are related to smoking and alcohol use. We hope to soon see a significant reduction in the levels of radiotherapy and chemotherapy for patients whose tumors are virus-related - which will greatly improve their quality of life.

Medical Consultant:



Dr. Salim Billan  
Director, Head and Neck  
Oncology Unit  
Rambam Health  
Care Campus







# The Oncology Surgery **Revolution**

“Unlike in the past, when cancer patients requiring surgery met only with their surgeon, now they are treated by an entire multidisciplinary team that includes surgeons, specialists, and oncologists -all under one roof,” describes Dr. Ofir Ben-Yishai, Acting Director of the Oncological Surgery Section, summing up the changes in how oncological surgery is performed at Rambam.

>> Sherri Shein





he big change began in 2010 when the Surgery Division was divided into sections responsible for their core areas of surgery. Within the Oncology Surgery Section, centers were created for

specific areas, including pancreatic, liver, and gall bladder surgery, among others, each headed by a surgeon specializing in that field. The heads of each center were given a mandate to assemble teams and institute procedures according to the highest clinical standards.

The oncology surgery centers are distinguished by their multidisciplinary approaches - every diagnostic decision or treatment plan is made by an entire professional team. "Oncological surgery in general is very conservative," explains Prof. Ben-Yishai, "and the patient will meet with a surgeon at each stage of their treatment, from the diagnosis and through palliative care intended to make them more comfortable and improve their quality of life. Oncological surgery has undergone many changes in recent years that promise relief to many patients."

### Less Invasive: the Laparoscopy Alternative

Laparoscopy, which involves the insertion of a miniature camera and surgical tools through small incisions in the stomach, continues to prove itself as a highly useful diagnostic and treatment tool. Laparoscopy can be used not only for reaching a correct pathological assessment and developing a surgical strategy, but also, at a later stage, for administering treatment or tumor resection. "We have been treating cancer patients with laparoscopy for many years," Dr. Ben-Yishai explains, "but today, this approach has become part of our

daily routine. If in the past we hesitated to operate on a patient with metastasized cancer or conditions that were considered inoperable because of their location, today laparoscopic procedures can be used to treat them.

"Laparoscopic surgery is becoming increasingly popular for pancreatic surgery, where it is especially effective for local resection of cystic or small neuroendocrine pancreatic tumors. Based on the pathological results, we decide whether or not to perform a radical resection of the tail of the pancreas, which is also performed laparoscopically. This precludes unnecessary removal of liver tissue in patients whose condition doesn't warrant it."

Laparoscopy is now commonly used even for local or extensive liver resection in benign and malignant, primary or secondary liver diseases. Yet laparoscopic liver surgery is extremely complex and requires a high degree of expertise, making it one of the most specialized fields of surgery.

### Damage Control: Complex Surgery for Melanoma

Patients with melanoma will often undergo partial or extensive dissection of lymph glands in different parts of the body, including the armpit, groin or abdomen. In spite of the great advances made in the field, these procedures still entail significant risks, mainly associated with the surgical site. Statistics show that 30-50% of patients undergoing expanded dissections of their lymph glands in these specific sites will experience one or more complications. In recent years, endoscopic surgery has been gradually introduced to reach the lymph nodes of the armpit and abdomen. This enables the dissection to be



"...Minimally-invasive approaches will continue to be an important element of treatment ... but they will absolutely not replace precision surgery, with oncological outcomes that must be no less than excellent."

Dr. Ofir Ben-Yishai,





performed through small incisions in the thigh, and produces results comparable to those obtained using traditional surgical approaches, but with significantly fewer complications.

## New Breakthroughs in Biological and Immunotherapies

Breakthroughs in the development of new biological and immunotherapy drug treatments, and their use in conjunction with surgical procedures, are opening up a promising new avenue for treatment of skin and other cancers, and new options to patients who in the past could not be treated.

Findings from many clinical trial centers around the world show that immunotherapy can be effective in inducing genetic mutations in certain metastatic tumors, but not others. From this, we can conclude that, if a metastatic growth at one site doesn't respond to immunotherapy, it doesn't mean that other sites won't respond as well. In such cases of single site progression, while a patient responds excellently to immunotherapy, one area of the tumor grows instead of receding. "In light of a patient's genetic profile, we can now offer local excision of the spot that didn't respond to the treatment. In this way, the patient can continue receiving the beneficial treatment instead of having to switch to a treatment that may not be as effective," explains Dr. Ben-Yishai.

## Cytoreductive Surgery and Heated Chemotherapy

Cytoreductive surgery to remove visible tumors, followed by hyperthermic intraperitoneal chemotherapy (HIPEC) which involves applying heated chemotherapy treatment directly into

the abdomen, is a treatment option that has been used for many years. Typically the tumors appropriate for this type of treatment were primary tumors of the lining of the lungs, stomach and other organs (mesothelioma) and advanced growths on the appendix that spread throughout the abdominal cavity (pseudomyxoma peritonei). New applications for this treatment have recently been introduced, and what was once considered a contra-indication has now become an indication for this treatment. This is exemplified in the proliferation of tumors in the digestive system, mainly in the large intestine and rectum. The main treatment is very aggressive surgery to remove all visible tumors in the patient's abdominal cavity. In the second stage, a chemotherapy solution heated to 42° Celsius is introduced into the abdominal cavity where it is circulated for about 90 minutes to destroy any remaining cancer cells.

## Integrated Robotic Treatments

More and more surgeons around the world are using robotics to perform complex surgical procedures, including many types of stomach, liver, gall bladder, and even pancreatic surgeries. Recently surgeons at Rambam have begun performing complicated robotic procedures to remove tumors of the rectum, integrating several techniques to achieve optimal oncological results. "There's no doubt that the minimally-invasive approaches will continue to be an important element of treatment, and we will use them as much as possible", concludes Dr. Ben-Yishai. "But they will absolutely not replace precision surgery, with oncological outcomes that must be no less than excellent."

Medical Consultant:



Dr. Ofir Ben-Yishai  
Acting Director  
Oncological  
Surgery Section  
Rambam Health  
Care Campus

# Cancer Research on **Trial**

What new drugs will offer the next breakthroughs in cancer treatment? A look into the future of cancer care in-the-making at Rambam.

>> Sherri Shein









Cancer patients today have access to a larger number and greater variety of treatment options than they did ten

or twenty years ago, all thanks to clinical research,” explains Dr. Ruth Peretz, who is responsible for Phase I clinical trials at Rambam.

### **A New Generation of Drugs: Fewer Side-effects**

Until relatively recently, chemotherapy was the only type of drug treatment oncologists could offer their patients; this, in spite of chemotherapy’s sometimes limited effectiveness and significant side-effects. In recent years, however, two new families of oncological drugs have been under development, and are increasingly being introduced into the market. Biological and immunotherapy drugs work with the patient’s own genetic profile and immune system, and, particularly immunotherapy, have fewer side-effects than chemotherapy.

Immunotherapy drugs, which are remarkably successful in extending the life spans of some patients, are especially promising. Yet according to Dr. Peretz, the bottom line is that they help only a small group of patients. “A patient with a type of cancer that doesn’t respond well to this type of drug would be better off not

pinning their hopes on something that probably won’t help them.”

### **The Breakthrough to Come: Phase 1 Trials**

In spite of the availability of many new drugs, Dr. Peretz cautions that researchers are still very far from finding cures for cancer. Still, the search for better drugs continues. “In the Phase 1 clinical trials that I am leading at Rambam, we are testing many of these new drugs,” she explains. “The clinical trials are generally initiated by a drug company that is developing a new drug that has already been successfully tested on animals, and is deemed ready for testing on human subjects. During this Phase 1 process, the side-effects of the drug are recorded, and researchers can get a first indication of what types of cancer it could be effective in treating.

“In these clinical trials, the experimental drugs are mainly given to patients who have already tried every other drug. Even though the experimental drug may not be effective, there is still a chance it could be the next breakthrough,” explains Dr. Peretz. “If the experimental drug indeed shows promise, it will still take many years before it is approved and introduced into the market. In our clinical trials, we make these drugs available far ahead of that process. Yet we need to keep in mind, of course, that there are specific criteria for



“At Rambam, we offer patients for whom conventional treatments aren’t effective or desired, the option to be treated with new, experimental drugs through one of our clinical trials.”

Dr. Ruth Peretz



participating in these clinical trials, and not every patient meets them.”

## The Benefits of Phase I Clinical Trials

According to Dr. Peretz, because every patient who enters a clinical trial at Rambam needs to be meticulously monitored, they benefit from exceptionally thorough care. Furthermore, since there is no control group in these clinical trials - all participants are administered the experimental drug. Before agreeing to participate in a clinical trial, every patient receives a thorough explanation of the process and its potential risks and benefits. Only then do they decide whether to enroll, and sign their consent to participate.

## A Thriving Clinical Research Program

“In the past decade, there has been a major change in how patients approach their illness, as they increasingly take responsibility for their treatment,” observes Dr. Avivit Peer, who is responsible for clinical research at Rambam’s Oncology Section. “As a result, patients are better informed and able to consider various alternatives. If patients used to search the internet to learn about treatment options for their illness, now they search for clinical trials. This is a major shift. It used to be difficult to interest patients in clinical trials. Now, all that has changed. Patients frequently ask, ‘Do you have a clinical trial for me?’ This trend has contributed to a vital clinical research program.”

## The Patients of Tomorrow

The Oncology Service’s clinical research department has a staff of 25, including clinical research coordinators, physicians

and nurses. Some 300–400 patients participate in clinical trials annually, and the numbers are consistently on the rise. “There are different criteria for participating in a clinical trial. Some are designed for patients who carry a specific genetic mutation, so that not everyone who signs up for the study will actually receive the experimental drug. But just their willingness to participate is significant,” explains Dr. Peer. “It used to be that patients participating in clinical trials had very little hope for recovery. Today, we have patients enrolled who are in the very early stages of the disease.” According to Dr. Peer, it’s important to distinguish between Phase I clinical trials and those of Phase 2 and 3.

Phase 1 clinical trials investigate the safety and side-effects of an experimental drug. In effect, this is the first time a drug is tried on a human being, and the side-effects it may cause are still unknown.

Phase 2 and 3 clinical trials investigate the effectiveness of an experimental drug, in terms of how it improves defined measures of an illness, how the patient responds, and what the survival rates are for the illness among a group of patients with the greatest chance of responding to a particular treatment. In many of these clinical trials, an experimental drug is compared to an existing treatment to determine if it offers any advantage.

“The patients who participate in clinical trials are testing the next generation of drugs,” says Dr. Peer. It’s impossible to assure them that each experimental drug will be a life-saver. But if a drug does prove to be effective, the patient who participated in the study benefits from the treatment of the future, today. And the physician gets to know the treatments of the future as well.”



### Medical Consultants:



Dr. Ruth Peretz  
Phase 1 Clinical  
Trials Coordinator  
Oncology Service  
Director,  
Gynecological  
Oncology  
Department  
Rambam Health  
Care Campus



Dr. Avivit Peer  
Director of Clinical  
Research  
Oncology Service  
Rambam Health  
Care Campus



### *The Kidney – Genetics and Beyond – June 4-6, 2017*



**T**his June, the Rambam Summit once again convened a diverse and high-level group of guests for an exciting program of science, learning and celebration. Over three days of tours, personal meetings, lectures and special events, Rambam's esteemed friends and supporters gained an inside look into the frontiers of medicine, and how Israel, and Rambam, are leading this global effort.





The theme of the Rambam-Haifa Health of Tomorrow Conference was Nephrology and Genetics - Health and Beyond. Medical journalism was also highlighted, with fascinating insights from **Prof. Richard Horton** of *Lancet*, and **Prof. Jeffrey M. Drazen** of the *New England Journal of Medicine*. In a panel moderated by **Prof. Karl Skorecki**, **prof. Jerome Groopman**, and **prof. Pamela Hartzband**, both from Harvard Medical School, shared their thoughts on medical decision-making. In a special lecture Ambassador **Dennis B. Ross** also spoke about his experience as a diplomat in the Middle East.

The afternoon session focused on advances in kidney disease treatments and genetics, and where the two fields intersect. Rambam's leading nephrology and genetics researchers presented alongside special guest speakers including **Dr. Julie Ingelfinger**, Deputy Editor of the *New England Journal of Medicine*, **Dr. Dwomoa Adu** from the University of Ghana, **Emily Groopman** from Columbia University, and **Dr. Assaf Vivante** from Harvard Medical School.

The Summit concluded with the traditional Gala Evening, featuring a musical program and film highlighting Rambam's achievements in kidney research. A heartwarming announcement was made that, thanks to a magnanimous gift from benefactors **Harvey and Gloria Kaylie**, a new Harvey and Gloria Kaylie Kidney Health Center of Excellence will be established at Rambam.





# The 2017 – Rambam Awards

*At the awards ceremony held during the 2017 Rambam Summit, Israel (Sari Greidinger of the Israeli Friends of Rambam, Prof. Karl Skorecki, Director of Medical & Research Development, and Prof. Rafi Beyar, Director and CEO of Rambam, present the certificates and statues to the recipients of the 2017 Rambam Awards.*



### **Ambassador Dennis B. Ross**

Perhaps no single figure has been as closely involved in the pursuit of peace in the Middle East as Ambassador Dennis B. Ross. As a diplomat serving under four American presidents, Ambassador Ross exemplifies a thorough, insightful understanding of this extraordinarily complex region, and a deep-seated desire to forge an equitable solution for all people. The author of seminal works on the Middle East peace process, Ambassador Ross continues to shape policy in the region through his work with the Jewish People Policy Institute. In recognition of his dedication to the security and well-being of the people of Israel, Ambassador Dennis B. Ross was honored with the 2017 Rambam Award.



### **Harvey and Gloria Kaylie**

Harvey and Gloria Kaylie belong to a select group of philanthropists who are impacting lives on a grand scale. From empowering Jewish scholars to pursue their studies, to enabling children with developmental disabilities to enjoy the pleasures of summer camp, the Kaylies are promoting the vitality and well-being of the Jewish people in Israel and the United States. The couple's recent gift to establish the Harvey and Gloria Kaylie Kidney Health Center of Excellence at Rambam Health Care Campus will transform the way kidney disease patients are treated at Rambam, and create the conditions for new breakthroughs that will benefit patients worldwide. In recognition of their dedication to promoting healthcare in Israel, and preserving Israel's position at the cutting edge of international medical research, Harvey and Gloria Kaylie were honored with the 2017 Rambam Award.





### Professor Jeffrey M. Drazen

As Editor-in-Chief of *The New England Journal of Medicine*, Professor Jeffrey M. Drazen ensures the highest standards of scholarly integrity at one of the world's leading medical journals. His success in advocating for the public disclosure of clinical trials was instrumental in strengthening the peer-review process and standards of evidence based patient care. A specialist in pulmonary medicine, Professor Drazen's research findings contributed to the development of new drugs that are helping millions of asthma sufferers. He is also a prolific author and has received numerous honors and awards for his research achievements. In recognition of his outstanding contributions and uncompromising standards in the field of medical journalism, Professor Jeffrey M. Drazen was honored with the 2017 Rambam Award.



### Professor Richard Horton

Professor Richard Horton is a physician, writer, and editor who has published extensively on the impact of society and global trends on medicine. Additionally, Professor Horton has served for over two decades as Editor-in-Chief of *The Lancet*, Britain's most prestigious medical journal, and one of the most important in the world. Following publication of a controversial article in *The Lancet* related to Israel, Professor Horton accepted an invitation extended by Rambam's Professors Rafi Beyar and Karl Skorecki, to come to Rambam to gain a first-hand perspective on Israel's research and humanitarian achievements. The visit, and subsequent publication of *The Lancet* series, Health in Israel, sealed a friendship and partnership forged in mutual appreciation, for which Professor Richard Horton was honored with the 2017 Rambam Award.





## Snapshots March 2017-June 2017



Physicians from Hospital for Sick Kids with Prof. Myriam Ben-Arush at Ruth Rappaport Children's Hospital

This spring, Ruth Rappaport Children's Hospital convened The First Joint Conference in Pediatric Hematology, Oncology and Bone Marrow Transplantation in collaboration with the Hospital for Sick Kids in Toronto Canada. Leading physicians from the hospital's Joan and Sanford Weill Division of Pediatric Hematology-Oncology, and their Canadian counterparts, discussed cutting edge research programs and treatments, new medications and differences in treating various populations. The conference was supported by the Canadian Friends of Rambam.

March 2017



Young Jewish Professionals Delegation

North American business leaders from the Young Jewish Professionals organization, led by **Rabbi Naftali Rotenstreich**, received an inside look, this past March, into Rambam's cutting edge kidney and genetic research, new medical technologies, and compassionate healthcare. After their visit to the Ruth Rappaport Children's Hospital, **David A. Sterling**, Secretary and Treasurer of the American Friends of Rambam, described Rambam's care of children from Israel and the hostile neighboring regions as a powerful means for "tikkun olam"

March 2017



Rotary Club Delegation with Prof. Lael Anson-Best, Prof. Rafi Beyar, Dr. Esty Golan and Rambam International Relations Staff

Rambam was honored to host an important delegation from India, led by **Mr. Ralph Jhirad**, Co-Chair of the Friends of Rambam in India. Mr. Jhirad and the members of the Rotary Club Delegation were welcomed by **Dr. Esty Golan**, **Inbar Shahaf**, **Shirley Erulkar** and **Prof. Lael Anson-Best**, Former Chief of Surgery at the Thoracic Surgery Department. After hearing about Rambam's role as a strategic asset for northern Israel's health, security and coexistence the group enjoyed a VIP tour of the Sammy Ofer Fortified Underground Emergency Hospital.

April 2017



L-R: Richard Hirschhaut, Liora Gerzberg, Pnina Simel, Prof. Amir Kugleman, Rachel Cedar, Zahava Cedar, Sari Arshadnia

Maternal love and devotion was the theme of the American Friends of Rambam's first annual women's luncheon, organized by **Rachel Cedar**, **Zahava Cedar**, **Liora Gerzberg** and **Pnina Simel**, and held in a colorful garden setting in Menlo Park, California. Nearly 80 guests enjoyed the beautiful spring day, and heard a fascinating talk by **Prof. Amir Kugleman**, Director of Rambam's Neonatal and Neonatal Intensive Care Department, on the benefits of a gentle approach for the health of premature infants.

May 2017



Mr. Christian Weber, President of Bremen State Parliament, with Prof. Rafi Beyar

**Mr. Christian Weber**, President of Germany's Bremen State Parliament, **Mrs. Sülmez Dogan**, Vice President, and a delegation of over a dozen senior parliamentary officials, visited Rambam in May. Bremen and Haifa are sister-cities, and after hearing from **Prof. Rafi Beyar** about Rambam's achievements in healthcare for the citizens of northern Israel, and from **Dr. Nadav Ben-Haim** on medical innovations originating at Rambam, the group was inspired to consider new potential collaborations between the two cities.

May 2017



L-R: Inbar Shahaf, Prof. Ron Epelbaum, Dr. Esty Golan, Palestinian donor, Riki Carmi, Orna Keren

"Medicine is a bridge between peoples." That is how "M," a senior Palestinian Authority official, summed up his experience after receiving medical treatment at Rambam. Moved by the dedicated care that Israeli, Palestinian, Syrian and other children and adults receive at Rambam, "M" made a donation of equipment for a playroom for children waiting to receive radiation therapy. In a ceremony honoring "M's" contribution to the wellbeing of children at Rambam, he expressed hope for closer cooperation as a way to promote health, understanding and peace.

May, 2017



University of Haifa Board of Governors visit the Sammy Ofer Fortified Underground Emergency Hospital

**Prof. Ron Robin**, President of the University of Haifa, led the University's Board of Governors on a visit to Rambam, where they were greeted by **Prof. Rafi Beyar** and **Dr. Esty Golan**. The visitors were updated on the University's new collaboration with Rambam on the Health Discovery Tower for Applied Sciences, which will further position Haifa and the two institutions as landmarks of excellence in medical education and research. The distinguished guests also toured the healthcare campus and heard a presentation on cutting-edge collaborative research.

June 2017



L-R: Dr. Esty Golan, Dr. Dan Maydan, Dr. Raquel Bar-Deroma, Prof. Rafi Beyar, Sari Arshadnia

**Dr. Dan Maydan**, a recent honored guest at Rambam, generously gifted a Delta 4 Phantom Quality Assurance system for the Radiation Therapy Institute. **Prof. Rafi Beyar**, **Dr. Esty Golan**, and **Sari Katz Arshadnia** bestowed Dr. Maydan with a Certificate of Appreciation on behalf of Rambam. Dr. Maydan also met with **Dr. Raquel Bar-Deroma** from the Radiation Therapy Institute, who explained about the vital service the new system is contributing to the department. On a campus tour Dr. Maydan visited the newly opened Joseph Fishman Oncology Center.

June 2017





## Snapshots June 2017-August 2017



L-R: Dr. Esty Golan, Jesse Schwartz, Carol Schwartz, Prof. Rafi Beyar

Cherished members of the Rambam family, **Carol and Jesse Schwartz**, were honored at the 2017 Rambam Summit when **Prof. Rafi Beyar** and **Dr. Esty Golan** presented them with a Maimonides Leadership Circle Patron Certificate. Mr. and Mrs. Schwartz received a VIP tour of the hospital and met with **Prof. Myriam Ben Arush** to hear about the latest developments at the Ruth Rappaport Children's Hospital.

June 2017



L-R: Larry Wolfe, Prof. Myriam Ben-Arush, Andrea Wolfe, Dr. Esty Golan, Prof. Lea Bentur

Longtime friends and supporters of Rambam, **Larry and Andrea Wolfe**, visited Rambam this June to see The D. Dan and Betty Kahn Foundation Pediatric Pulmonary Unit, established with their foundation's gift in honor of Mrs. Wolfe's parents, at the Ruth Rappaport Children's Hospital. The spacious new unit can handle many more children with less waiting time than in the previous facility. Children from northern Israel and throughout the region receive treatment in comfort and security thanks to the foundation's generous support.

June 2017



Pamela Austin with Dr. Miki Halberthal

Guests at a summer "Bridle Path Wine and Dine Party" in Toronto enjoyed an al fresco dinner with excellent wines, hosted by **Pamela and Paul Austin** on behalf of the Canadian Friends of Rambam and Baycrest Health Services. The event was to benefit the Innovating Together initiative, exploring new approaches to brain health for the senior population in Canada, Israel and worldwide. **David Green**, President of the Canadian Friends of Rambam, and **Dr. Miki Halberthal**, Deputy Director of Rambam, greeted the guests at the event.

June 2017



Ambassador Prenprapa Vongkovit receives a gift from Prof. Rafi Beyar, while Adv. Yoseph Gillor and Dr. Esty Golan look on.

A new milestone in Rambam's long and warm relationship with Thailand was marked this June, with the high-level visit from Thailand's new Ambassador Extraordinary and Plenipotentiary, **Miss Prenprapa Vongkovit**. The Ambassador learned from **Prof. Rafi Beyar** and **Dr. Esty Golan** about Rambam as a strategic asset in the region, and toured the newest additions to the West Campus. In the past, Rambam has had the honor of hosting Thailand's Princess **Maha Chakri Sirindhor**, who was interested in gaining a first-hand impression of Israeli healthcare and research.

June 2017





L-R: Prof. Yehuda Chowers, Prof. Ziv Gil, Prof. Lloyd B. Minor, Prof. Rafi Beyar, Dr. Esty Golan, Dr. Nadav Ben Haim, Dr. Miki Halberthal

During his July visit to Rambam, **Prof. Lloyd B. Minor**, Dean of Stanford School of Medicine in California, had much to discuss with **Prof. Rafi Beyar**, himself the former Dean of the Technion Faculty of Medicine. In addition to touring the hospital and visiting the new Center for Medical Innovation and several research labs, Prof. Minor and Prof. Beyar discussed potential areas for collaboration between their respective institutions.

July 2017



Rabbi Shmulik Tulkov with honorable donors for the new Beit Chabad guesthouse for Rambam patients

The Lev Chabad Chesed v'Marpeh organization that provides emotional and spiritual support for patients and their families held a festive ceremony to mark the opening of the "Makom b'Lev" - "Place in the Heart" - accommodations for families of patients hospitalized at Rambam. The new, comfortable, and thoughtfully designed apartments are the initiative of **Rabbi Shmuel** and **Hannah Turkov**. Friends and donors attended the event celebrating the new apartments, established in honor of **Joseph and Vicky Safr**.

August 2017



Hospital CEOs from China

Rambam has become an important destination for Chinese medical officials seeking partners in education and emergency medicine. A senior Chinese delegation of hospital CEOs visited Rambam in August on such a mission, where they met with **Dr. Ronit Segal Hirshberg**, CEO of Rambam Health Corporation, and heard presentations on Rambam's emergency preparedness from **Mrs. Gila Hyams**, Director of Nursing and Director of The Teaching Center For Trauma Systems Emergency and MCS.

August 2017



The JWRP MoMENTum Delegation

Over 100 avid supporters of Israel - members of the international MoMENTum Journey delegation - received a warm welcome to Rambam by **Prof. Rafi Beyar** and AFORAM Director **Rick Hirschhaut**. In a complementary male experience to the highly successful Jewish Women's Renaissance Project, the group of Jewish fathers from the US, Canada, Australia and South Africa, led by **Saul Blinkoff**, witnessed an emergency simulation at the Sammy Ofer Fortified Underground Emergency Hospital, with explanation from **Dr. Erez Carmon** from the Executive Management on Rambam's close collaboration with the IDF.

August 2017



# Rambam International Relations

## Rambam Honors its Visitors and Hosts from Around the World



The Honorable  
Marie-Pierre Bresson,  
Deputy Mayor of Lille,  
with scientific and international  
relations team, France

April 2017



Executive Healthcare  
CEOs, Guinea

April 2017



Israeli Minister of  
Health, Yaakov  
Litzman, Israel

April 2017



Mr. Vernon Katz and  
Mrs. Barbara Cohen,  
Australia

April 2017



H.E. Mr. Doulat  
Kuanyshev,  
Ambassador of the  
Republic of Kazakhstan, Kazakhstan

April 2017



Center for Initiatives  
in Jewish Education  
Delegation, USA

May 2017



Healthcare Administrators from  
Tanzania, Burkina Faso, S. Sudan,  
Honduras

May 2017



Delegation from  
Shanghai Jiaotong  
University, China

May 2017



Reception and lecture  
at home of Andrea  
and Isaac Cohen to  
benefit Rambam's PTSD Program,  
with Dr. Eyal Fruchter, Encino,  
California, USA.

May 2017



Rambam Shabbaton  
with former IDF  
commander Ron

Weinreich at Temple Aliyah,  
Woodland Hills, California, USA

May 2017



Students from Stony  
Brook University  
School of Medicine,  
USA

June 2017



Delegation from  
Academy of Jewish  
Religion, USA

June 2017



Students from the  
University of California,  
Berkeley, USA

June 2017



Students from Hunter  
College, USA

June 2017



Sichuan Liangshan  
Hospital Executives,  
China

June 2017



Rabbi Pearlson and  
Huss Family of Miami  
Beach, USA

June 2017



Maccabi Fun Run,  
UK

June 2017



Delegation from  
University of  
California San Diego  
Medical Center, Hillcrest, USA

June 2017



Mrs. Chetrit Elbaz,  
Spain

June 2017



Mr. Theerapol  
Topanthanont,  
Director-General,  
Dept. of Medical Services, Ministry  
of Public Health, Thailand

June 2017



National Hospital  
Insurance Fund (NHIF)  
Healthcare Executives  
Delegation, Kenya

June 2017



S.T.A.R. Student  
Delegation, USA

June 2017



Chinese Society of  
Nuclear Medicine  
Delegation, China

July 2017



The  
Learning  
Works  
Educational Program Delegation,  
USA, South Africa, UK

July 2017



Hadas and Zeev Feig,  
USA

July 2017



Delegation of  
Healthcare, Hospital  
and University CEOs,  
China

August 2017



Prof. Norberto Krivoy  
hosted at Mayo Clinic,  
Argentina, Argentina

August 2017



Jewish Women's Renaissance  
Project's Men's Mission Tour to Israel,  
USA, Canada, South Africa,  
Mexico, Australia

August 2017



Israel Experience  
- New Immigrant  
Doctors, Russia

August 2017



Eighty years of  
Excellence, Innovation  
and Humanity



**RAMBAM 80**  
Health Care Campus



YEARS

## Rambam Health Care Campus, Haifa, Israel

Please save the date.

A formal invitation and  
detailed agenda will follow.



**RAMBAM Summit**  
Medicine. Technology. Humanity.

## Join us in celebrating the 80th anniversary of Rambam Health Care Campus

Discover Rambam's achievements through the lens of  
history, laying the groundwork for an exciting tomorrow.

Rambam's impact on a young Israel | Rambam's contribution  
to Israel as a start-up nation | Rambam's role in war and peace  
| A gala evening celebrating Rambam's exciting vision for  
tomorrow and honoring the 2018 Rambam Award recipients





### *Donor Spotlight*



## Effi and Eli Goldhar – Good Neighbors, Devoted Friends

**E**ffi and Eli Goldhar's business interests extend far beyond Israel, yet home, for the Goldhars, is Haifa, surrounded by their warm, extended family. And since home is where the heart is, the extraordinary connection between the Goldhars and Rambam Health Care Campus is crystal clear.

For many years Effi and Eli have been dedicated partners in Rambam's ambitious development program. Guided by generosity, compassion and a deep commitment to the wellbeing of the citizens of northern Israel, the Goldhars have supported the purchase of equipment to upgrade the Cardiac Intensive Care Unit and the Pediatric Emergency Department. Their generous gifts have also enabled the establishment of the Intermediate Care Unit in the Department of Neonatology

and Neonatal Intensive Care, the Pediatrics "A" Department in Ruth Rappaport Children's Hospital, and most recently, the new Diabetes and Obesity Center of Excellence, which is about to open its doors. Countless patients of all ages, in departments throughout Rambam, are receiving excellent care under optimal conditions, thanks to the Goldhars.

From our perspective, Effi and Eli Goldhar represent the ideal Israeli citizens, who are fortifying this nation not only through their entrepreneurial spirit and business acumen, but who also never forget the tremendous importance of supporting their community and Israeli society. Rambam honors the Goldhars, with gratitude and appreciation, as beloved members of the Rambam family.

## Global Medicine



### If We're Lucky, We'll Come Back Again

Repairing a cleft palate or lip is a relatively uncomplicated procedure, but it can make a life-transforming difference for a child born with this debilitating condition. Recently, **Dr. Zach Sharony** from Rambam's Plastic and Reconstructive Surgery Department, and **Dr. Omri Emodi** from the Maxillofacial Surgery Department, traveled to Ghana, where they volunteered as part of a multinational humanitarian delegation organized by Operation Smile. Over eight long days, the team of 60 surgeons, anesthesiologists, nurses, X-ray technicians and other support staff from 12 countries performed 155 surgical procedures in provisional, improvised operating rooms with equipment flown in by Operation Smile.

This was Dr. Sharony's eighth mission with Operation Smile, whose work has brought him to Vietnam, Ethiopia and other third-world countries where these congenital deformities are not routinely remedied by the local healthcare systems. Dr. Emodi, also a longtime volunteer, describes how a disparate group of professionals from different cultures miraculously comes together for the task at hand: "once you get into the rhythm, everyone becomes one team, motivated by the desire to help these people." The satisfaction of giving a child born with a congenital deformity the chance for normal life is indescribable. And Drs. Sharony and Emodi are already looking forward to their next volunteer mission.



### Rambam at the Maccabiah Games

For everything from heat stroke to sprains, the young athletes competing in the 20th Maccabiah Games received excellent medical care from Rambam Hospital physicians. This year, Rambam was designated as the medical support services provider for the Maccabiah Youth Games, which took place in Haifa over two weeks in July. As the largest hospital in northern Israel, with renowned expertise in trauma medicine, Rambam was the natural partner for this national event, which brings together sportsmen and women of all ages from throughout the Jewish world.

Dr. Michal Mekel, Rambam's Deputy Director, who was responsible for the medical care at the games, noted with satisfaction that, while being prepared for any possible scenario, the injuries experienced were only minor, and the 70 Rambam physicians recruited to oversee the events were able to enjoy the experience. One of Rambam's veteran physicians, Dr. Norberto Krivoy, even got to root for his grandson as he competed with the Argentinian delegation!





## SPECIAL EVENTS



### A Creative Tribute to the Healing Power of Love

The extraordinary healing power of love is movingly rendered in a sculpture created by the renowned artist, **Soraya (Sarah) Nazarian**, who recently donated the work of art to the Ruth Rappaport Children's Hospital. Positioned at the main entrance to the hospital, the bronze sculpture, representing a universal mother figure embracing and comforting a group of children, who are eager to touch and embrace it. The sculpture was unveiled in an emotional ceremony in June, attended by the artist's husband **Younes Nazarian**, daughter **Sharon Nazarian**, and other family members and friends. **Mrs. Ruth Rappaport** and her daughter **Irit** were among the honored guests who joined the Nazarians in celebrating the artistic new addition to the children's hospital. A plaque by the sculpture expresses the artist's hope: "that every observer will decide who it represents for them and how her love can heal."



### Celebrating the Leno and Paul Sislin Discovery Lounge

Children hospitalized at the Ruth Rappaport Children's Hospital can now enjoy an entertaining diversion from their illness and treatments at the new Leno and Paul Sislin Discovery Lounge. At the 2017 Rambam Summit, **Leno** and **Paul Sislin** were honored for their charitable gift, which enabled construction of the new lounge. On behalf of the hospital and its patients, **Prof. Myriam Ben Arush**, Director of the Pediatric Division at Ruth Rappaport Children's Hospital, and **Prof. Rafi Beyar**, Director and CEO of Rambam, extended their warmest appreciation to the Sislins with a certificate and gift, and described how excited the children are to explore and learn in the new discovery lounge center. Located on the 6th floor of the Ruth Rappaport Children's Hospital, the bright and colorful Discovery Lounge contains activities, panel systems and three interactive computer touchscreens, and serves as a welcome addition to the most advanced, thoughtfully designed and friendly children's hospital in the country.



### Swim from the Heart 2017

As final preparations were underway for the 2017 Rambam Summit, a group of intrepid swimmers were prepared to dive into the Mediterranean to raise funds for research to prevent Sudden Cardiac Death syndrome. Among them were US Olympic medalist **Rebecca Soni**, and the record-breaking Israeli endurance swimmer **Guy Cohen**, and the swim initiator **Levy Gertzberg**.

Ultimately, because of rough seas, the actual swimathon was postponed by a week. But in calmer waters, hundreds of swimmers from Israel and abroad swam tracks ranging from 1-7.5 kilometers. In all, almost \$60,000 was raised by the energetic athletes.



# Breaking Ground for the New Eyal Ofer Heart Hospital



**H**istory was made this May, when global business leader, **Eyal Ofer** set the cornerstone at the construction site of the Eyal Ofer Heart Hospital, the newest addition to Rambam's modern West Campus. Mr. Ofer was joined at the groundbreaking ceremony by his wife **Marilyn**, daughter **Olivia**, CEO of the Ofer family foundation, **Eli Alroy**, and honored guests. A scroll commemorating the historic occasion, and bearing the signatures of Mr. Ofer, Olivia Ofer, **Prof. Rafi Beyar** and **Dr. Esty Golan**, was buried at the base of the future hospital.

Mr. Ofer and his family foundation represent the next two generations of the Ofer family's magnanimous support for the healthcare and safety needs of the citizens of Haifa and northern Israel. Mr. Ofer movingly acknowledged the overriding importance of the kind of state-of-the-art cardiology treatment the new hospital will offer. Prof. Rafi Beyar celebrated the extraordinary commitment of the Ofer family to Rambam Health Care Campus, which has led, among many others, to the establishment of the Sammy Ofer Fortified Underground Emergency Hospital.

When it opens, the Eyal Ofer Heart Hospital will provide the widest range of treatments in the region, incorporating an integrated model for cardiology care. The hospital will include departments in cardiac surgery, interventional cardiology, advanced cardiac imaging, and cardiac intensive care, as well as cardiovascular preventive care and disease risk reduction programs.



## American Friends of Rambam Medical Center

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**RAMBAM**  
Health Care Campus

# Advanced, Accessible, and Safe: The New Radiation Therapy Institute at Rambam

The Radiation Therapy Institute will move to a new home, pending funding, in the Joseph Fishman Oncology Center (level 3, integrated as part of the Sammy Ofer Fortified Underground Emergency Hospital).

## Patient Benefits:

- Optimized treatments with new advanced linear accelerators—replacing outdated ones
- Elevator access to the department from the Joseph Fishman Oncology Center—no more transfers outdoors between buildings during inclement weather
- Peace of mind—when the world around threatens with danger, healing should be a cancer patient's only concern
- Modern and spacious facilities to meet all staff and patient needs

**HELP US provide the best possible radiation therapy to the people of Northern Israel—it's their right to have advanced, accessible, and safe cancer care.**

**For more information: [contactus@rambam.gov.il](mailto:contactus@rambam.gov.il)**

