

RAMBAMHCC

2013

ANNUAL REPORT



RAMBAMHCC

2013

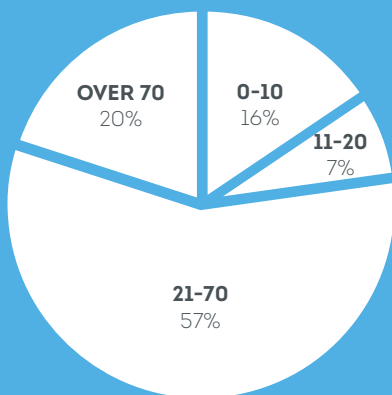
ANNUAL REPORT



81,610

ANNUAL ADMISSIONS IN 2013

ADMISSIONS BY AGE



OCCUPANCY

93%

RAMBAM IS THE
TERTIARY REFERRAL
CENTER FOR

12

DISTRICT HOSPITALS
IN NORTHERN ISRAEL



17,027

CHILDREN ADMITTED IN 2013 WITH
75,388 OUTPATIENT VISITS

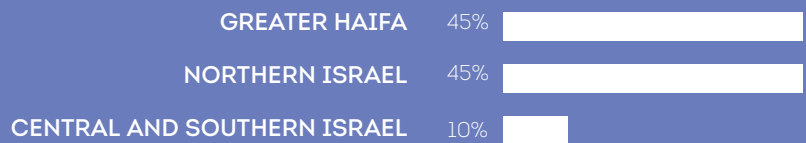
54,056

MINOR AND MAJOR
SURGICAL PROCEDURES

618

DELEGATES FROM 24
COUNTRIES VISITED
RAMBAM IN 2013

TREATMENT BY REGION



RESEARCH

CLINICAL
TRIALS
1,022



25
ULTRA MODERN
LABS

>300

PEER REVIEWED
PAPERS PUBLISHED

BIRTHS IN 2013



1ST

NON-INVASIVE
BRAIN ABLATION



620
CPR TRAINEES

5

INTERNATIONAL
HUMANITARIAN
MEDICAL MISSIONS



1,256
DONORS FROM
12 NATIONS

74%

INCREASE IN NUMBER
OF SUPPORTERS



Professor Rafi Beyar MD, DSc, MPH

Director & CEO
Rambam Health Care Campus



FROM THE DIRECTOR

ESTEEMED FRIENDS AND BENEFACTORS...

FOR THE PAST FOUR YEARS WE'VE
BEEN UPDATING YOU AS TO HOW
RAMBAM IS CHANGING.

WITH EACH PASSING DAY THE CAMPUS
IS TRANSFORMING. **I AM PRIVILEGED TO
BE PART OF THIS DRAMATIC CHANGE.**

This has been a pivotal year for Rambam Health Care Campus. Vision has become reality. The Sammy Ofer Fortified Underground Emergency Hospital is now open in its peacetime configuration as an underground parking lot. This one-of-a-kind facility was successfully tested during a recent drill designed to assess our preparedness for emergency situations. The hospital's readiness was proven as patients

and equipment were successfully transferred to the underground hospital where their care continued seamlessly. The exterior of the Joseph Fishman Oncology Center is near completion; the interior will then be completed, providing our cancer patients with spacious hope-inspiring surroundings. Support is still needed for the adjacent and yet to be named Cardiovascular Hospital. The Ruth Rappaport Children's



**A SPECTACULAR 75TH
ANNIVERSARY EVENING
CELEBRATED RAMBAM'S
ACHIEVEMENTS AND
CONTRIBUTIONS TO
HAIFA, ISRAEL, AND
HUMANKIND.**

Hospital will begin receiving patients in June of this year. Children and their families will receive the best care possible in a safe and comfortable atmosphere where the children's needs come first.

Space has been cleared to begin construction of the Biomedical Discovery Tower, where clinical research collaborations will seek solutions to pressing medical problems.

This has also been a year of celebration, commemorating 75 years of service to the people of Northern Israel. Programs and events throughout the year reminded people of our rich history and achievements. The groundwork for future accomplishments was laid by Rambam's humble beginning as a government hospital under the British Mandate. Caring for refugees, providing emergency

care to Arabs and Jews during times of tension, and medical discovery all played a part in shaping our future. Today, Rambam plays a major role in the economy and provision of medical care in the region, and is renowned for the many and varied medical research accomplishments of its clinician scientists.

Staying true to our mandate as the largest academic referral hospital in Northern Israel, and the only level one trauma provider for the region, Rambam remains committed to investing in people, new medical technologies, and medical research—the heart, body, and soul of medicine. New physicians from Israel and overseas have brought a whole new level of expertise to Rambam. New technologies, such as magnetic resonance-guided focused ultrasound surgery, will markedly





(l-r) Professor Rafi Beyar, Mr. Warren Buffett, and Dr. Esty Golan. Mr. Buffett donated 10M USD in 2013 to Rambam.

27.3M

USD RAISED IN 2013

ADDITIONAL

122.7M

**USD NEEDED TO
COMPLETE AND EQUIP
THE WEST CAMPUS**

improve the quality of life of patients suffering with previously intractable problems such as essential tremor. The Clinical Research Institute at Rambam is thriving, with eleven full and four associate members. Their research collaborations will impact medicine far beyond Israel's borders.

All of this has been accomplished due to the committed support of you, our friends. Your giving in

2013 provided 27.3 million dollars of the 150 million needed to finish constructing and equipping Rambam's West Campus. While the privilege is mine to lead this very special project for the health of Israel's people, the honor is yours for making all this possible.

On behalf of our patients, doctors, nurses, and support staff, thank you for making this a year to celebrate.



(l-r) Professor Rafi Beyar, Josh Ophir, grandson of Ruth Rapaport, Mrs. Ruth Rappaport, and Professor Amos Etzioni at the ribbon cutting ceremony for the new Ruth Rappaport Children's Hospital.

R. Beyar.

Rafi Beyar, MD, DSc, MPH



THE NEW SOUTH ENTRANCE

THE
WEST CAMPUS TRANSFORMATION



VIEW OF THE CAMPUS FROM THE PLAZA

IS WELL UNDER WAY



Watch the story on YouTube

FIRST

NON-INVASIVE
BRAIN ABLATION



Israeli technology makes history at Rambam

Non-invasive brain surgery was successfully performed on a fully conscious patient through his intact skull.

"THE BRAIN IS ENVELOPED WITH HARD BONE, AND THE IDEA IS TO OPERATE WITHOUT TOUCHING THE BONE. IT'S A DREAM COME TRUE!"

- Dorit Goldsher, MD, *Director, MRI Unit*

History was made at Rambam this year when a 73-year-old essential tremor patient successfully underwent targeted magnetic resonance-guided focused ultrasound surgery – thermal ablation of deep-seated brain tissue through an intact skull. The technology requires a multidisciplinary team of neurosurgeons, neurologists,

neurophysiologists, and neuroradiologists.

The MRI machine gives exact images of the brain while the transducer helmet sends one thousand focused ultrasound beams deep into the brain. The beams ablate the neural pathway responsible for the neurological disease.



The ExAablate® Neuro device, developed by the Israeli firm InSightec was used to administer this revolutionary treatment.



The multidisciplinary team (l-r): neuroradiologist Dr. Ayelet Eran, neurologist Dr. Ilana Schlesinger, neuropsychologist Dr. Alon Sinai, and neurosurgeon Professor Menashe Zaaroor.

“THE NEUROSURGEON GRADUALLY INCREASES THE ULTRASOUND BEAMS’ HEAT WHILE MONITORING THE PATIENT TO ENSURE THERE ARE NO SIDE EFFECTS—UNTIL THE LOCALIZED TISSUE IS ABLATED, STOPPING THE TREMOR.”

- Menashe Zaaroor, MD, Director, Department of Neurosurgery



For the past 10 years Zahavi Bar could not hold a glass without spilling it.



Bar's drawing tests before (left), during (middle), and after (right) treatment.



Watch the story on YouTube

“THAT AN ISRAELI COMPANY HAS DEVELOPED THIS TECHNOLOGY, WHICH WAS USED ON AN ISRAELI PATIENT AT RAMBAM, SHOWS WHAT OUR NATION CAN ACHIEVE IF WE PURSUE OUR DREAMS.”

- Ilana Schlesinger, MD, Director, Movement Disorders and Parkinson's Institute



After nine miscarriages in Asia, this Georgian couple had their baby at Rambam

"I WAS READY TO DO ANYTHING TO BECOME A MOTHER. RAMBAM STOOD BY US AND HELPED US EVERY STEP OF THE WAY." – Tamari, Tbilisi, Georgia

Michael and Tamari of Tbilisi, Georgia, endured 9 miscarriages over 17 years of marriage before finding their way to Professor Benjamin Brenner, Director of the Institute of Hematology and Bone Marrow Transplantation.

His research has proven the link between recurrent miscarriages

and thrombophilia, for which diagnosis and treatment are unavailable in the couple's homeland. The glowing parents and their firstborn, Mariam, are pictured with Dr. Ido Solt, Director of the Maternal-Fetal Medicine Service.

Lian was admitted to Rambam with kidney failure in January of 2013



"HEMODIALYSIS CAN'T BE PERFORMED IN GAZA ON A CHILD OF THIS WEIGHT; THEY DON'T HAVE THE APPROPRIATE EQUIPMENT"

- Dr. Daniella Magen, Director of the Pediatric Nephrology Unit, Department of Emergency Medicine



Watch the story on YouTube

Hemodialysis patient Lian (2) has not left Rambam since she was admitted with kidney failure at age 7 months.

In 2013, Lian underwent successful liver transplantation (her mom donated a liver lobe). She gained the weight necessary for a kidney transplantation, which is scheduled for 2014 (the designated donor is her dad). Lian's treatment was supported by the Joan and Sanford I. Weill Israeli-Palestinian Friendship Center.



Dr. Gil Bolotin with Alana just before her discharge home.

Beating the odds. **Twice.**

Traffic accident survivor

Alana (25) was due for hospital release from the Department of Orthopedics when large clots blocked the blood flow from her heart and sent her into cardiac arrest for an hour.

“THE MEDICAL STAFF WORKED LIKE AN ORCHESTRA TO DO THE APPARENTLY IMPOSSIBLE. ALL THE CIRCUMSTANCES WORKED IN ALANA’S FAVOR: SHE’S YOUNG, THIS HAPPENED AT THE HOSPITAL, WE BEGAN RESUSCITATION IMMEDIATELY, AND WE MADE FAST AND CORRECT DIAGNOSES AND DECISIONS.”

- Gil Bolotin, MD, Director, Department of Cardiac Surgery

Bridging the communication gap

"UP UNTIL NOW, WE COULD ONLY COMMUNICATE WITH THESE PEOPLE USING HOSPITAL-BASED TRANSLATORS."

- Kobi Moskovitz,
Operations Manager

Rambam has introduced simultaneous translation for non Hebrew-speaking patients. The conversations are routed through a Ministry of Health switchboard staffed by interpreters.

The service enables fluent communication between the medical staff and patients whose native tongue is Arabic, Russian, or Amharic. All conversations are recorded and become part of the patient file.

17%

OF ISRAEL'S POPULATION
**REPORT DIFFICULTY
COMMUNICATING
WHEN ADMITTED**

15%

OF ISRAEL'S POPULATION
**HAS INTERMEDIATE
OR INFERIOR
UNDERSTANDING
OF HEBREW**



Israeli National Service

THEY ARRIVED WITH SMILES AND LEFT US WITH SMILES OF GRATITUDE FOR THEIR ENTHUSIASTIC HELP

The National Civil Service is an alternative for youth, exempt from army service, to volunteer for the benefit of the community. Volunteers represent the melting pot of Israeli society: men, women, religious, secular, Jews, Arabs, Druze, Christians, Bedouins, youth at risk, and the disabled. Their service perfectly complements the delicate and complex design of Israel's citizenry.

The National Civil Service Directorate was established in 2008 as the central governmental body overseeing civil service

in Israel. Since 2010, the directorate has been part of the Israel Ministry of Science and Technology.

This year 80 volunteers came to Rambam via four civil service organizations. Shlomit Katzir, Rambam's National Civil Service Coordinator channeled the volunteers throughout the hospital. Their roles included manning reception desks, assisting patients and families, running errands, moving equipment, filing, and helping out in the kitchen.

National Service volunteers at Rambam





The first life I saved

80

NATIONAL SERVICE
VOLUNTEERS

In life there are many firsts, but perhaps few as powerful and memorable as the first life one helps to save.

Recuperating heart patient Ella (75) welcomes a visit from Anna (19), a National Service volunteer at Rambam. Anna had no medical training, but her quick thinking and intuition helped save Ella's life. Anna is planning to study nursing when she finishes her service.

"I KNEW THAT SOMETHING WASN'T RIGHT ABOUT THE PATIENT'S EKG. I QUICKLY SUMMONED A PHYSICIAN, WHO RUSHED HER INTO THE CATH LAB. GIVING EKGS IS A ROUTINE PART OF MY JOB, BUT THIS IS THE FIRST TIME I'VE SAVED SOMEONE'S LIFE, AND IT'S REALLY A GOOD FEELING!"

- Anna, National Service Volunteer
Department of Emergency Medicine



(Front row l-r) Course leaders Shirley Erulkar, Nurit Naeh, Moshe Michaelson, MD, and Gila Hyams, RN, MA with the graduating class of the 10th Annual Trauma and MCS Course.

Teaching the world

**“WE RECEIVED FROM YOU THE KEY TO
OPEN THE DOOR FOR NEW MANAGEMENT
OF TRAUMA IN OUR COUNTRY.”**

- Paul, Kenya, Graduate, 10th Annual Trauma and MCS Course.

806

**GRADUATES FROM
63 COUNTRIES**

This year, 26 health care professionals from 17 countries trained at our Teaching Center for Trauma, Emergency and Mass Casualty Situations (est. 1999). The course of study entitled “Developing a Trauma System and MCS Organization,” gave participants skills for improving the treatment of victims of man-made or natural disasters in their own countries.

Welcome to one of the largest pain medicine institutes in the world

"THE PURPOSE IS TO TEACH SPECIAL DRY NEEDLING SKILLS TO COMMUNITY HEALTH CLINICIANS AND AS A RESULT, TO HELP RELIEVE THE BURDEN OF LONG WAITS AT PAIN CLINICS NATIONWIDE."

- Simon Vulfsons, MD, *Director, Pain Medicine Institute*

20%

OF THE WESTERN WORLD'S ADULT POPULATION

SUFFERS FROM CHRONIC PAIN

50%

OF THESE
SUFFER FROM PAIN ORIGINATING IN THE MUSCULOSKELETAL SYSTEM

In 2013, Physicians came to Rambam from throughout the country for training in deep dry needling, a specially developed technique for treating musculoskeletal pain by targeting the trigger point that is the source of the pain. The Pain Medicine Institute at Rambam is the only academic institute of its kind in Israel and one of the largest such institutes in the world.

In the Western world, 20% of the adult population suffers from chronic pain; half of them suffer from pain originating in the musculoskeletal system. These data are similar for Israel.

The surgical robotics revolution is here



David Kakiashvili, MD

Director, Urologic Oncology and
Director, Robotic Surgery Service

Amnon Amit, MD

Director, Gyneco-Oncology Unit

"UNTIL NOW, MAJOR SURGERY WAS REQUIRED FOR STENOSIS OF THE URETER. ROBOTIC SURGERY ALLOWS A MORE ACCURATE PROCEDURE, A SHORTER RECOVERY PERIOD, AND LESS PAIN TO THE PATIENT. THIS IS PARTICULARLY SIGNIFICANT FOR CHILDREN."

- David Kakiashvili, MD

276

**ROBOTIC SURGERIES
SINCE 2011**



Watch the story on YouTube


Ziv Gil, MD, PhD

Director, Department of
Otolaryngology Head and Neck
Surgery

Eli Kakiashvili, MD

Director of Surgical
Oncology Services

Lior Lowenstein, MD, MS

Deputy Director, Department
of Obstetrics and Gynecology

The Da Vinci Surgical Robot is a joint Rambam -Technion project generously donated by:

The estate of Eva Ruth Bader, the Wolfson Family Charitable Trust, Nader Ohebshalom, Fred Ohebshalom, the Crown Family Foundation, the Iranian American Jewish Federation of New York, Alan C. Mendelson, Meri and Sol J. Barer, Marita and George Feldenkreis, and Soheila and David Adelipour.

In 2013, robot assisted pediatric urological surgery was first introduced to Israel—at Rambam. Pediatric urologists received training from visiting expert Dr. Hiep T. Nguyen, Director of the Robotic Surgery, Research and Training Program at Boston Children's Hospital.

Donors acquired the da Vinci Surgical System for Rambam in 2010. The era of robotically

assisted surgery was initiated by urologist Dr. David Kakiashvili, who performed the hospital's first radical prostatectomies.

Dr. Kakiashvili's team of surgeons has embraced the new technology. Its use at Rambam has quickly expanded to include the subspecialties of gynecology, otolaryngology head and neck surgery, general surgery, and now pediatrics.



Professor Ariel Roguin with head nurse Silviu Cohen, RN, analyzing diagnostic angiographic findings.

Israel's first OFDI system

“THE RESOLUTION IS ABOUT THE SIZE OF A SINGLE BLOOD CELL. THE SYSTEM HELPS US VERIFY CONDITIONS INSIDE THE BLOOD VESSEL AND ENABLES US TO DETERMINE STENT ADHERENCE TO THE BLOOD VESSEL WALL.”

- Ariel Roguin, MD, PhD, *Director, Interventional Cardiology Unit*

Rambam is the first Israeli medical center to have acquired optical frequency domain imaging (OFDI) medical equipment. The system uses light waves and is the most accurate available.

The new technology was presented for the first time in Israel at Rambam's annual international Horizons in Interventional Cardiology Conference.

The eyes have it

**"THE DEPARTMENT
IS NOW ARMED
WITH TOP-OF-THE-
LINE TECHNOLOGY
FOR PERFORMING
CATARACT,
GLAUCOMA, AND
RETINA SURGERIES."**

- Eytan Blumenthal, MD, *Director,
Department of Ophthalmology*

Rambam has acquired a laser scalpel for noninvasive microsurgical treatment of glaucoma. The device, used for shaving off mere microns of eye tissue, enables safer surgery and faster healing.

Professor Blumenthal (*center*) and his staff during eye surgery.



**"THE SELECTION OF RAMBAM TO ADMINISTER
RESEARCH PROGRAMS ATTESTS TO THE
HOSPITAL'S INTELLECTUAL, SCIENTIFIC, AND
ACADEMIC STANDING NATIONALLY AND
INTERNATIONALLY."**

- Rafi Beyar, MD, *Director and CEO, Rambam Health Care Campus*

Research at Rambam

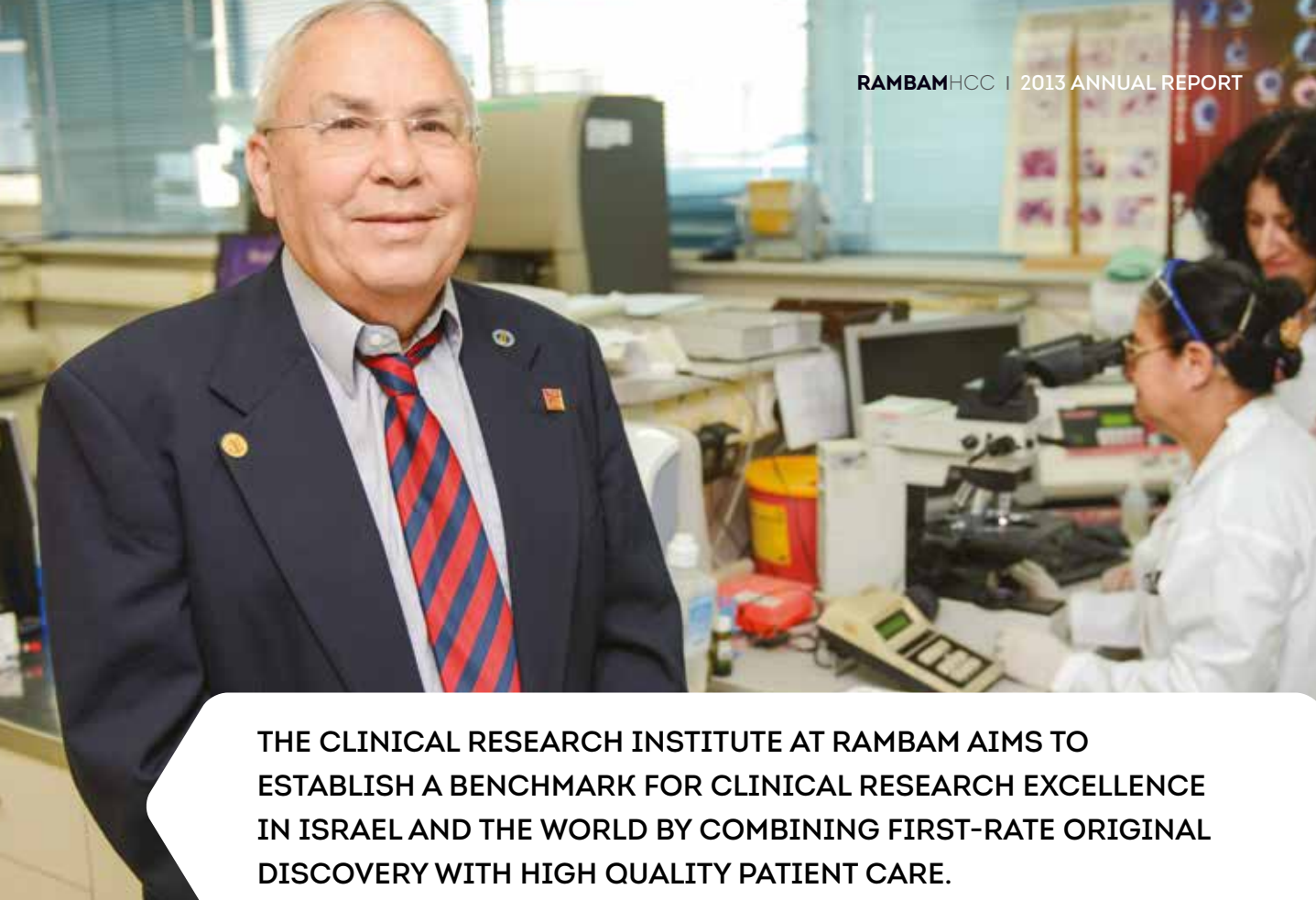
Among scientists, bedside clinicians are best placed to find practical solutions to diagnostic and therapeutic problems arising from disease and injury.

In keeping with the practice of leading academic medical centers, our clinician-scientists are encouraged and supported

in their quest to find the answers to driving clinical questions.

At Rambam, cultivating scientific curiosity within the hospital's clinical environment is more than a value—clinical research has become a way of life and thinking.





THE CLINICAL RESEARCH INSTITUTE AT RAMBAM AIMS TO ESTABLISH A BENCHMARK FOR CLINICAL RESEARCH EXCELLENCE IN ISRAEL AND THE WORLD BY COMBINING FIRST-RATE ORIGINAL DISCOVERY WITH HIGH QUALITY PATIENT CARE.

Director

Michael Aviram, DSc
(pictured above)

Administrator

Netta Glebotzki

Members

Yehuda Chowers, MD
Derek LeRoith, MD, PhD
Izhak Kehat, MD, PhD
Beth Murinson, MD, PhD
Yona Nadir, MD, PhD
Irit Avivi, MD
Ziv Gil, MD, PhD

Associate Members

Eli Peled, MD
Nathaniel Horowitz, MD
Irit Hochberg, MD, PhD
Ruth Peretz, MD, PhD

Clinical Research Institute at Rambam (CRIR)

The appointment of Professor Ziv Gil to CRIR membership in 2013 has brought the total number of active members to eleven. In addition, a recently launched program has recruited four Associate Members. The new framework provides space and a budget for three years, enabling them to pursue their research in collaboration with an established full CRIR member.

Since its founding in 2008, the CRIR has sponsored 66 Clinical Research Seminars, presented

at Rambam by national and international experts in their medical-scientific fields.

In December 2013, the CRIR initiated a public biomedical research program for high school students from Northern Israel. The first two lectures attracted 500 pupils.

Also this year, the CRIR Laboratory of Neurology was refurbished and construction of the second floor of CRIR laboratories was begun.

Mentoring a new generation



“RAMBAM’S YOUNGER GENERATION OF PHYSICIANS BENEFITS FROM THE HIGH PRIORITY WE GIVE TO CULTIVATING THEIR SCIENTIFIC CURIOSITY AND CLINICAL RESEARCH SKILLS.”

– Karl Skorecki, MD, Director, Medical and Research Development

Mr. Slava Smolokowski has founded the Slava Smolokowski Functional Genomics Research Center of Excellence. The center is generating outstanding results and publications, and promotes competitively funded clinical research. *Pictured (l-r)* are Dr. Asleh Rabea, Dr. Yaniv Zohar, Professor Karl Skorecki, and Dr. Erez Hasnis, strong contributors within this program.

Rambam nurtures the career growth of our bright young physician-scientists by providing in-house competitive funding mechanisms that enable them to pursue a combined schedule of clinical and research work.

Slava Smolokowski Atidim-Futures Fellows 2013

Rosti Novak, MD

Department of Orthopedics A

Elena Segal, MD

Department of Pediatrics

Ofakim-Horizons Rambam Fellows 2013

Dov Hershkovitz, MD

Pathology Institute

Shimrit Ringelstein, MD

Hematology and Bone Marrow
Transplantation Institute

Slava Smolokowski Functional Genomics Research Fellows 2013

Doron Behar, MD

Genetics Institute

Hagit Baris, MD

Director, Genetics Institute

Research highlights



Understanding resistance to chemotherapy

“UNDERSTANDING THE MECHANISM THAT DRIVES CANCER CELLS TO DEVELOP RESISTANCE TO CHEMOTHERAPY IS THE FIRST STEP TOWARD DEVELOPMENT OF NEW AND BETTER CHEMOTHERAPY DRUGS, THEREBY PROLONGING PATIENT SURVIVAL AND REDUCING DISEASE MORBIDITY.”

- Ziv Gil, MD, Director, Department of Otolaryngology Head and Neck Surgery
Member, Clinical Research Institute at Rambam (CRIR)

Basic and translational research conducted by Professor Ziv Gil and his team has shown for the first time that immune cells mediate chemoresistance by induction of multidrug resistance genes in cancer cells. The study appeared in *Oncogene*.



Understanding ovarian cancer

“OUR LAB STUDIES THE MOST LETHAL GYNECOLOGIC MALIGNANCY IN THE WESTERN WORLD—OVARIAN CANCER. THE PROGNOSIS OF OVARIAN CANCER IS SO DEVASTATING BECAUSE IT IS OFTEN DIAGNOSED AT A LATE STAGE WHEN THE DISEASE IS INCURABLE.”

- Ruth Perets, MD, PhD, Principal Investigator,
Lab for Women's Cancer, Division of Oncology

Dr. Ruth Perets is investigating the hypothesis that ovarian cancer arises not from the ovary but from the fallopian tube. Understanding the origin of this disease has vast implications for early detection and prevention. Dr. Perets has recently returned to Rambam from her postdoctoral fellowship in the lab of Professor Ronny Drapkin in the Dana Farber Cancer Institute. Her research there, in collaboration with Professor Dinulescu from Brigham and Women's Hospital in Boston, recently appeared in the prestigious scientific journal *Cancer Cell*.



Insight into hypertensive disease in pregnancy

Hypertensive disease in pregnancy is a major cause of morbidity in mother and fetus. A recent study by Dr. Anat Aharon, Professor Benjamin Brenner, and PhD student Einat Shomer demonstrates the role of microparticles, small cellular membrane vesicles, in pregnancy complications. The findings were published in *Hypertension*.

“THE CURRENT STUDY DEMONSTRATES THAT MICROPARTICLES ARE A CRITICAL PLAYER PARTICIPATING IN PHYSIOLOGICAL MECHANISMS OF PLACENTAL DEVELOPMENT AND IN THE PATHOLOGY OF HYPERTENSIVE DISEASE IN PREGNANCY.”

– Benjamin Brenner, MD, *Director, Hematology and Bone Marrow Transplantation Institute*



Insight into schizophrenia

Hair follicle cells originate from the same embryonic germ layer that gives rise to neurons, and thus represent an attractive source of induced pluripotent stem cells (iPSC) that can be reprogrammed into brain cells. Professor Dorit Ben-Shachar and her team have studied human brain cells derived by stem cell technology from hair follicle cells of schizophrenia patients and discovered various abnormalities—the inability to differentiate and mature, and defective mitochondria. The findings have been published in *Stem Cell Research* and in *Molecular Psychiatry*.

“BRAIN TISSUE CANNOT BE STUDIED IN LIVING SUBJECTS. HAIR FOLLICLE CELLS REPRESENT AN ATTRACTIVE SOURCE OF IPSC THAT CAN BE REPROGRAMMED INTO NEURONS. THIS NEW TECHNOLOGY GIVES US AN OPPORTUNITY TO IDENTIFY MALFUNCTION IN BRAIN CELLS IN MENTAL ILLNESS.”

– Dorit Ben-Shachar, DSc, *Director, Research Laboratory of Psychobiology*



RMMJ.ORG.IL

(Right) Professor Shraga Blazer, Editor-in-Chief and Director, Department of Neonatology
(Left) Deborah Hemstreet, Editorial Assistant and English Writer/Editor to the Administration

Rambam Maimonides Medical Journal on PubMed

Rambam Maimonides Medical Journal is the first-ever medical center-affiliated international journal published in Israel. Only three years in publication, it has been accepted for indexing by PubMed, a foremost database search engine consulted by clinician-scientists around the world. The open access, peer-reviewed journal is available online only. Published quarterly, the journal focusses on a wide spectrum of clinically relevant

biomedical research and other issues central to the provision of optimal health care, disease prevention, and environmental health. To date, seven Nobel Laureates have contributed articles; renowned experts have contributed to four special issues focusing on pressing topics of worldwide interest.



50,215

**PAGEVIEWS FROM
114 COUNTRIES**

The Rambam Award



David Green and his wife Daphne Wagner (*left*) with Sol and Meri Barer (*right*) at the 2013 Rambam Award Ceremony.

Mr. David Green

Dr. Sol J. Barer and Mrs. Meri Barer

"WE FIRST BECAME INVOLVED WITH RAMBAM HOSPITAL WHEN SOL MET RAFI BEYAR. HE CAME BACK TO ME AND ASKED WHAT I THOUGHT ABOUT SUPPORTING THE UNIT OF PEDIATRIC NEUROLOGY; HOW CAN ANYONE SAY NO TO THAT?! FROM THEN ON, RAMBAM HAS BEEN PART OF OUR PHILANTHROPIC LIFE."

- Mrs. Meri Barer

Rambam's highest honor is presented annually to individuals who have distinguished themselves through major contributions to medicine, technology, and humanity.

Congratulations to the 2013 Rambam Awardees, Mr. David Green and Dr. Sol J. and Mrs. Meri Barer, who share our path, participate in our work, and combine social sensitivity and caring with unending generosity toward the State of Israel and Rambam Health Care Campus.

Mrs. Ruth Rappaport



ON THE EVE OF HER 90TH BIRTHDAY, A GRACIOUS AND SPIRITED MRS. RUTH RAPPAPORT ANSWERED OUR QUESTIONS.



Rambam Awardee Mrs. Ruth Rappaport and her late husband, Baruch (Bruce) Rappaport, have helped transform Israel's cultural, educational, medical, and scientific landscape. The Rappaport Art and Cultural Center on Mount Carmel, the Technion's Rappaport Faculty of Medicine and Rappaport Family Institute for Research in the Medical Sciences, and the Ruth Rappaport Children's Hospital at Rambam attest to a family whose Zionism has been expressed in the most inclusive, far-seeing, and humanitarian terms possible.



Watch the celebration
on YouTube

What makes you happy?

Everything that I do, and the children: I have four daughters—three were born in Haifa—eleven grandchildren, and seven great-grandchildren.

What is Israel in your eyes?

I have my apartment in Tel-Aviv and during the holidays I stay in Caesarea, but part of me will always remain in Haifa.

Why are you a philanthropist?

I learned from my husband. I never knew anybody who enjoyed giving away money as much as he did. He always said, "I am the treasurer of God; I distribute the money I've earned whenever it's needed." He always said, "A burial shroud has no pockets. We can't take the money with us so let's share it."

Why did you decide to build a children's hospital at Rambam?

Haifa has always meant luck for me. I met Baruch in Haifa. Three of my children were born in Haifa. I also think about my grandchildren. I've always loved children! So for me, where else to have a children's hospital but in Haifa?

What's a typical day like for you?

I have too much energy! I wake up early. At 6:30, I eat. At 7:30, massage. I exercise four times a week. I don't nap! I have offices in Geneva and Monaco [ed. note: Mrs. Rappaport is Chairman of the Inter Maritime Foundation], and I've been busy with WIZO for seventeen years; we've built a number of community centers in Israel, including a fortified one in Sderot.

You'll be 90 years old on the 6th of April [2014]—mazel tov!

What do you wish for yourself?

I wish not to die in a hospital. My Baruch fell asleep and did not awake in the morning.

Is there something more you'd like to share with our readers?

Just this: You can't take it with you!



The 2,000-bed campaign continues

The Sammy Ofer Fortified Underground Emergency Hospital converts, within 72 hours, from a 1,500-vehicle parking lot into a 2,000-bed emergency hospital fortified against conventional and non-conventional weapons. In 2013, friends of Rambam worldwide helped equip it with 250 of the needed standard and specialized beds. This dual-purpose facility, the largest of its kind in the world, is now open in its peacetime configuration as an underground parking lot. A successful readiness drill has been held, and the fund raising campaign continues, to assure this critical facility is adequately equipped in our hour of need.



See it on YouTube

(l-r) Professor Shimon Reisner, Deputy Director and Hanna Admi, Director of Nursing discuss the readiness drill with a colonel from the Home Front Command.

Thank you, dear friends!

A Message from Esty Golan, PhD



Chief Operating Officer Dr. Esty Golan (*center*) with the International Relations team.

**NOT EVERYONE CAN
TAKE ADVANTAGE
OF A NAMING
OPPORTUNITY, BUT
EVERY GIFT, IN ANY
AMOUNT, REFLECTS
YOUR CONCERN FOR
THE WELL-BEING OF
THE PEOPLE OF ISRAEL.**

Rambam HCC is an Israeli government hospital whose routine annual operating budget is established and financed by the State of Israel.


That Rambam is able to accomplish so much more in way of patient care, medical education, and patient-oriented research is due in no small measure to our partnership with individual donors, philanthropic foundations, and proactive Friends of Rambam associations in Israel and around the world.

In 2013, value-added donor funding has helped us construct new hospital buildings and renovate old facilities, acquire the latest medical equipment and technology, and provide our

doctors and nurses with a wide range of competitive academic and research grants.

In 2014, Rambam's top priority fundraising goals are to continue acquisition of 2,000 standard and specialized medical beds for the Sammy Ofer Fortified Underground Emergency Hospital, and to finish funding the interior construction and equipping of the Ruth Rappaport Children's Hospital and the Joseph Fishman Oncology Center.

Please consider supporting one of the above projects in 2014, or by giving to any other Rambam endeavor close to your heart, such as patient care, education, or research.



2013 in names
and numbers



Maimonides **Golden Circle**

Beutler, Bonnie and Ernest

Buffett, Warren

Dankner, Nochi and Orly; D.I.C/Loans
/ IDB GROUP

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Malignancy Unit



Ayelet Raz-Pasteur, MD

Director, Department of Internal Medicine A



Eyal Braun, MD

Director, Department of Internal Medicine H



Ronit Almog MD, MPH

Director, Epidemiology Unit



Simon Vulfsons MD

Director, Pain Medicine Institute



Tzvi Dwolatzky, MD

Director, Geriatric Services



Michal Paul, MD

Director, Infectious Diseases Institute



Jacob Cohen, MD

Director, Hearing and Voice Unit

2013 Rambam Award

Mr. David Green

Dr. Sol J. Barer and Mrs. Meri Barer

Previous Recipients

2012

Professor Richard L. Popp, MD
Rabbi Yechiel Eckstein
Ms. Joan H. and Mr. Sanford I. Weill

2011

Mr. Harvey Krueger
Mrs. Gila Almagor Agmon
Mr. Nochi Dankner
Dr. Donna E. Shalala
The Hon. Mrs. Laura Wolfson Townsley
Mr. Joseph Fishman of blessed
memory / The Fishman Family

2010

Mrs. Ruth Rappaport
Mr. Sammy Ofer of blessed memory
Rabbi Elimelech Firer
Professor Moshe Revach

Committee

Professor Rafi Beyar

Director and CEO, Rambam HCC

Professor Karl Skorecki

*Director of Medical and Research
Development, Rambam HCC*

Professor Yehuda Hayuth

*Chairman, Israeli Friends
of Rambam*

National Leadership Role

In 2013, Rambam was asked to administer two newly established, prestigious nationwide medical research programs providing generous competitive research grants.

Ernest and Bonnie Beutler Research Program of Excellence in Genomic Medicine

The Ernest and Bonnie Beutler Research Program of Excellence in Genomic Medicine has been established by Mrs. Bonnie Beutler to honor the memory and work of her late husband, Dr. Ernest Beutler. This program supports high level genomic research projects of investigators with basic research backgrounds and proposals based on sound scientific hypotheses.



2013 Awardees

Karl Skorecki, MD

*Director, Medical and Research Development
Rambam Health Care Campus*

Gideon Rechavi, MD, PhD

*Head, Sheba Cancer Research Center
Sheba Medical Center*

Youdim Family Prize for Excellence in Cancer Research

The Youdim Family Prize for Excellence in Cancer Research has been established by Technion Professor Emeritus Moussa Youdim, to support cancer research exemplified by excellence, novelty, and/or scientific breakthroughs.

2013 Awardee

Professor Eli Pikarsky, MD, PhD

*Head, Department of Pathology
Hadassah Medical Center*

2013 Competitive Grants

Rambam congratulates research grant recipients for 2013 and thanks the following organizations for their generosity and vision.

Israel Cancer Association

Dr. Tami Katz	Hematology and Bone Marrow Transplantation Section
Dr. Yishai Ofra	Hematology and Bone Marrow Transplantation Section
Dr. Elizabeth Half	Gastroenterology Institute
Dr. Geula Klorin	Gynecology-Oncology Unit
Dr. Dov HersHKovitz	Pathology Institute
Dr. Shoham Shvitiel-Arad	Hematology and Bone Marrow Transplantation Section

International Atomic Energy Agency (IAEA)

Professor Rachel Bar Shalom	Nuclear Medicine Institute
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Israel Science Foundation

Dr. Ruth Perets	Division of Oncology
Dr. Hadar Zigdon	Department of Periodontology

Ministry of Health

Dr. Irit Hochberg	Endocrinology Institute
Dr. Suheir Assady	Department of Nephrology

Ministry of Economy

Dr. Anat Aharon	Hematology and Bone Marrow Transplantation Section
Dr. Yona Nadir	Hematology and Bone Marrow Transplantation Section
Dr. Hadar Zigdon	Department of Periodontology
Professor Dorit Ben-Shachar	Division of Psychiatry
Dr. Zahava Gallimidi	Department of Radiology

Israel Cardiology Association

Dr. Miri Blich	Department of Cardiology
Dr. Mahmoud Suleiman	Department of Cardiology

Dahlia Greidinger Anti-Cancer Fund

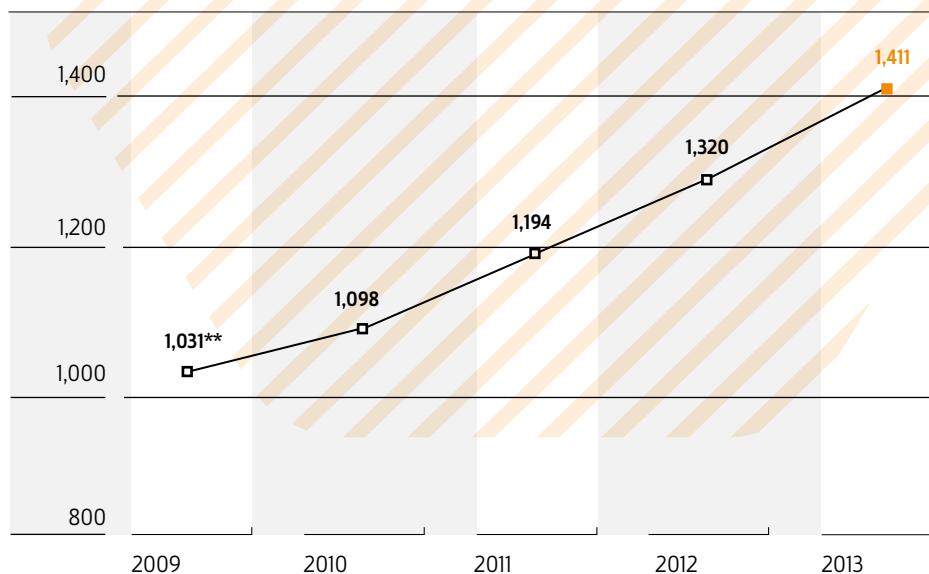
Dr. Moran Amit	Department of Otolaryngology, Head and Neck Surgery
Dr. Shoham Shvitiel-Arad	Hematology and Bone Marrow Transplantation Section

Fiscal Overview

STATEMENT OF ACTIVITIES (in millions of shekels)

	2012	2013
INCOME:		
Medical services rendered	1,256	1,348
Donations*	24	19
Research projects	27	28
Other	13	16
	<u>1,320</u>	<u>1,411</u>
ALLOCATIONS:		
Building construction and renovation	107	156
Medical equipment	30	17
Computerized equipment	4	4
Equipment and supplies	5	5
	<u>146</u>	<u>182</u>
EXPENSES:		
Salaries	840	932
Medical and technical equipment	225	206
Maintenance	68	70
Operating expenses	139	167
General administrative expenses	68	74
	<u>1,340</u>	<u>1,449</u>
<i>Full reports are available upon request.</i>		

INCOME 2009-2013 (in millions of shekels)



* Not including donations from Friends organizations

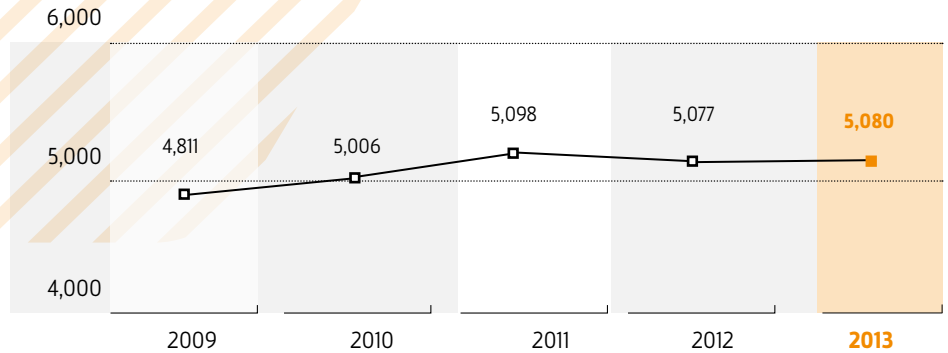
** Recalculated

Patient Care

PATIENT CARE

	2012	2013
Annual admissions	80,584	81,610
Total patient days	340,581	341,302
Emergency department visits	118,293	121,542
Outpatient visits	626,603	602,859
Total patients treated	234,654	237,819
Imaging	252,152	259,910
Laboratory exams	11,929,676	12,205,350
Surgical procedures	52,504	54,056
Deliveries	5,077	5,080
Average occupancy	92%	93%

NUMBER OF DELIVERIES 2009-2013

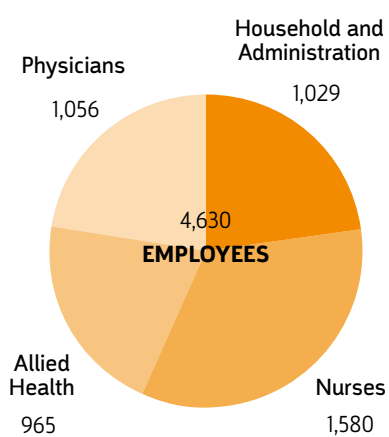


RESEARCH

	2012	2013
New research	343	412
Active research	984	1022

Employees and Capacity

EMPLOYEES BY SECTOR



OVERALL CAPACITY

● Hospital beds	942
● Medical institutes	34
● Inpatient wards	61
● Specialization units	73
● Outpatient clinics	112

Learn more
about Rambam

www.rambam.org.il

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Rambam Health Care Campus

P.O.B. 9602
Haifa 3109601, Israel
Tel. +972 (4) 777-2919
contactus@rambam.health.gov.il
www.rambam.org.il

Editorial Board

Oded Mayer

Director of Marketing

Tamar Alfassi
Merav Ganot
Larisa Halif
Deborah Hemstreet
Dganit Kenig
Eyal Shterenbach
Shifra Steindler

Design

CastroNawy

Photography

Shalev Man

Morag Betan
Pieter Filter
Ofer Golan
Yossi Masa
Oren Shahar
Ben Yuster

**American Friends
of Rambam**

www.aforam.org
info@aforam.org
(212) 292-4499

**Canadian Friends
of Rambam**

www.cfram.ca
info@cfram.ca
(416) 481-5552

**British Friends
of Rambam**

www.rambamuk.co.uk
anita@rambamuk.co.uk
(208) 371-1500

**Spanish Friends
of Rambam**

www.amigosderambam.org
info@amigosderambam.org
(609) 580-268

**Israeli Friends
of Rambam**

www.rambam.org.il
y_aguda@rambam.health.gov.il
(04) 852-0670

**Israel Main Office
& All Other Countries**

www.rambam.org.il
ContactUs@rambam.health.gov.il
+972 (4) 854-2919

www.rambam.org.il



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