

# DECEMBER 2017 Newsletter



The Maurice and Gabriela  
Goldschleger School of  
Dental Medicine

Founded by the Alpha Omega  
International Fraternity



SAVE THE DATE

MAY 1<sup>ST</sup> 2018  


BOARD MEETING  
INAUGURATIONS  
CEREMONIES



*Prof. Ervin Weiss*

### CHALLENGES AND OPPORTUNITIES

Dear friends, fraters and family of the School of Dental Medicine.

We continue to strive to be the best we can. Our mission is to promote excellence in advanced oral health care in Israel, by turning our students into high-achieving and socially-conscious professional leaders.

We also believe that excellent dental care should be available to everyone.

Last May during the Tel-Aviv University Board of Governors meeting, the Special Care Center was inaugurated, in the presence of the Israeli Minister of Health, Rabbi Yaakov Litzman, who also placed the 'Mezuza' at the entrance. The Center is hosting post-graduate trainees in the various aspects of special care dentistry. But here, I would like to dwell on a unique and special activity of the center, treating the weakest and the most neglected populations in Israel. It all started as a voluntary activity of dental students, "Leshanot Olam" Changing A World. Working closely with welfare authorities, students along with Alpha Omega volunteers are treating dozens of teenagers and young adults who are living in the streets of Tel Aviv and survive by prostitution. Treating this unusual population has the potential of being a bridge for regaining trust in a return to society. This can be life-changing; the trust building and the consequent

demands are surprisingly significant. A true TIKUN OLAM.

### LEADERSHIP IN DIGITAL DENTISTRY

The School is moving very fast to become a global leader in teaching digital dentistry. Digital dentistry offers the promise of more accurate, faster, and less uncomfortable treatment for patients. From the first intra oral digital scan, to the final fitting of a permanent restoration, fully computerized digital dentistry is more efficient for dentists and significantly less stressful for patients. CAD/CAM systems provide the ability to design and print surgical guides, assist with implant planning and placement, and create both temporary and permanent artificial teeth as required needed. As a result, treatment can often be completed in a single visit, and the results are of a consistently high quality. Recognizing the major advantages, our Dental School is one of the first in the world to fully integrate digital dentistry into the curriculum, preparing students to meet the challenges at the very beginning of their career. Furthermore, ours is the first dental school internationally, to teach students digital dentistry as the first technique of choice. In support of the teaching and practice of digital dentistry, we are initiating the refurbishing and renovation of the Simulation (Phantom) Laboratory. We plan to offer junior year students a technologically-advanced environment to learn and practice all elements of dentistry before beginning to treat actual patients. Aspiring from the latest technologies in dentistry,





### TRAINING CENTER FOR DIGITAL DENTISTRY AND IMPLANTOLOGY

We are initiating the establishment of a continuing education center for Implantology and digital dentistry, in which the theory and practice of integrated digital technology will be taught. Advanced course will be held to dental

we envision students gaining experience in a wide variety of dental procedures, using digital dentistry while improving and refining their manual dexterity. Each workstation in the Laboratory will allow implementation of integrates digital dentistry, intraoral scanning, computer-aided planning and design, milling, and 3D printing. This is a significant advantage and means that students are able to acquire skills faster, more effectively, and to a far higher standard than was previously possible. The Clinical Simulation Lab is slated to grow from its current outdated simulators to over eighty new workstations, each of which will provide the most advanced environment for digital interactive preclinical training. In parallel, we are constructing specially-designed Digital Dentistry Hubs for the fifth and sixth-year Student Clinics. Hubs will be equipped with hairside intraoral scanners, CAD/CAM equipment, so that from initial scans to final fittings, students will be able to gain critical experience planning and completing crowns, veneers, fillings on floor, and under the supervision of their teachers. The clinical instructors are undergoing appropriate training, to master the equipment and technologies.

teams already working in the field. It is our mission to train a generation of specialists, general practitioners, assistants, technicians and hygienists. Workshops and courses for practicing dentists, will provide both the theoretical foundations and the hands-on practical experience necessary to use digital dentistry and implantology technologies for the benefit of the patient.

### INFECTION CONTROL CENTER

Infection control in medical and dental settings is a growing concern worldwide. Bacteria are becoming multi-drug resistant, and international recommendations for infection protection in dentistry are constantly evaluated and updated. The safety and wellbeing of our students, dental staff, and patients is in our focus and attention. The Dental School is upgrading and modernizing the Infection Control Center to reflect the most stringent international standards. With the generous help of our Alpha Omega fraters, combined with the support from Henry Schein, we are upgrading the sterilization and autoclave facilities to provide an optimal environment for the advances in sterilization work flow and quality control.



# ORAL HYGIENE PROJECT AT THE CHILDREN'S ONCOLOGICAL DEPARTMENT OF THE SCHNEIDER CENTER



The children's oncological department at the Schneider Center is the leading and largest in Israel. For 20 years a blessed activity of an oral hygiene project exists at the department. The project was initiated by Miri Dotan, a research worker at the School of Dentistry at Tel Aviv University, who understood the needs of the sick children, who suffer from

severe mucositis and pain in the mouth following treatment.

Proper preventive treatment, while maintaining oral hygiene, reduces these side effects and also reduces the risk of infections originating in the oral cavity that may spread among children with reduced immunity.

Mary became aware of the problem

when she accompanied her son Yoni in the treatment of his disease at the department, until his total recovery.

The project is carried out by 5-6 year dental students. They come to the department once a week, pass along the hospitalized children, distribute tooth brushes and tooth paste and train them in the basic rules of oral hygiene.

## DOCTORES OPENING UP TO THE COMMUNITY

Beyond the medical importance of this blessed project, it also provides an experience for the sick children, and strengthens the healthy side in the difficult process they have to go through.



*We are extremely grateful to Miri Dotan for her initiative, implementation and perseverance, as well as to all the students who have taken part in this blessed process over the years.*

*With thanks and gratitude,*

**Prof. Itzhak Yaniv**

*Director, Children's Department of Oncological Hematology*



# PEDIATRIC DENTAL SCREENING IN KINDERGARTENS FOR AFRICAN REFUGEES



During the past decade the unstable political situation in Africa has led to a flood of African refugees arriving in Israel, mostly via the Egyptian border. These refugees, escaping dictatorship and religious persecution, receive a very cold welcome by the Israeli government, and most of them have no legal status. Forced to live underground and facing deportation threats, the refugee population is greatly impoverished. Their children, some of whom were already born in Israel, are not eligible for any state-funded medical care or education, and while their parents earn their living - the kids are staying in private, unsupervised kindergartens, often called "children warehouses". More than 80 such kindergartens are

estimated to exist in south Tel-Aviv, housing circa 40-50 kids each.

Two days before Passover 2015 I visited one of these kindergartens. Upon witnessing their overall neglect and bad oral condition, an intervention project was immediately established- "Diamond".

## **Step One - Screening**

It didn't take too long - 5 days later, 9 amazing volunteers

from the Tel-Aviv and Alpha Sigma chapters arrived at two kindergartens and screened some 70 kids aged 1.5-7.

Since then we have visited the kindergartens many times. Last Purim we screened more than 800 kids in 18 day care centers. The screenings included dentists and volunteers from Novartis (Pharmaceutical Company) who dedicated many hours to complete this mission. We were glad to find



## DOCTORES OPENING UP TO THE COMMUNITY

a warm atmosphere and Israeli volunteers, helping to ease the burden and share some love with these adorable kids.

### Step Two - Treatment

Following a publication of our project on Facebook, several pediatric and general dentists in the Tel-Aviv area generously agreed to take 1-2 pro-bono cases each, and treat these lovely children free of charge. We are very grateful to these dentists, donating their time and skills to the project.

In addition, some children are treated by the students at Tel-Aviv University dental school. And since the beginning of this year, dentists volunteer to treat children in a clinic which is located at the Tel Aviv central station and funded by the MOH.

### Step Three - Prevention

In addition to dental treatment, we are proceeding with community intervention. The prevention

program is led by Sharon Friedman, President of the Israeli Dental Hygiene Association.

This year on Purim day, more than thousand of those children were checked by AO volunteers and received tooth brushes and tooth pastes as take out packets.

We would like to take this opportunity to thank all the wonderful volunteers for their help to these kids. The screening was funded by the Tel-Aviv chapter of AO, and we would like to see it as part of the AO Global Oral Health Initiative, and expand the project to as many kindergartens as possible. We had fun today checking some 70 kids aged 1.5-7 in two kindergartens located in south Tel-Aviv. Although the refugee population is greatly impoverished and these kindergartens are often called "children warehouses", we were glad to find a warm atmosphere and volunteers helping to ease the burden on teachers



and share some love with these adorable kids.

We're now looking for volunteer pediatric dentists in the Tel-Aviv area to take 1-2 pro-bono cases, while we will continue the community intervention on location





## DR. TEDDY BEAR

On Monday, May 22<sup>nd</sup> 2017, the Dental and Medical School students took part in the international program "Teddy Bear Hospital". This program aims to expose children to different dental and medical treatments in a fun and

interactive way. The children, all of them in preschool, let the teddy doctor examine their teddy bear and diagnose its health issue. Among the different doctors were some dentists, who explained to the children all about oral hygiene

and had fun brushing off glitter plaque from inflatable teeth together. This day was a wonderful experience for us dentists, and we hope the children saw that going to the dentist can be fun after all!



## CHANGE A WORLD

Change A World is a service-learning community health project initiated by students to promote community engagement as an essential aspect of medical education. The program was

created to encourage student entrepreneurship and social responsibility in partnership with the community. The students are divided into groups that work in four health areas in underserved

communities: mental health, refugee health, sexual health, and oral health. With each community, the students conduct rigorous research and perform a needs assessment to identify resources

and challenges. At the end of the exploratory stage, each group focuses on building a specific project with the community. The oral health group is comprised of first year medical and dental students, two student mentors, as well as community advisors. The group promotes oral and dental health among youth engaging in prostitution in south Tel Aviv.

### Background

As of 2017, there are approximately 2000 young men and women up to age 25 currently working as prostitutes in Israel. An additional 8000 young men and women engage in prostitution occasionally, or may perform sexual favors in exchange for shelter, food, or other necessities. Most are childhood victims of sexual harassment. These young men and women come from a range of religious, socioeconomic, and ethnic backgrounds across Israeli society. "HaLev 24/7" is a youth center in south Tel Aviv that provides shelter and counseling for youth working in prostitution. An oral and dental health survey conducted among young men and women at HaLev 24/7 concluded that: 45% suffer from oral pain on a daily basis; 46% reported concerns about getting dental treatment; only 38% had been given guidance about oral hygiene, 70% of whom cited financial reasons. 95% expressed willingness to seek out dental health treatment were there a program to accommodate their needs.

### Project description

The oral health group designed a three-prong health initiative in collaboration with HaLev 24/7 to address the needs of youth engaging in prostitution. The program began with dental check ups for the youth conducted by volunteer dentists from the Alpha Omega Organization. Currently the program has been expanded and includes dentistry students, hygienists and residents from the Dentistry Faculty at Tel Aviv University and AO volunteers who carry out the treatment aspect of this program. The third and final part of the program consists of volunteer dentists training a select few community members to become dental assistants. The members of the oral health team at Change A World work with community leaders at HaLev 24/7 to oversee and coordinate all three aspects of the program.

### Goals of the "Change a World" project - Oral and Dental health

For the community:

1. Promoting oral and dental health among young men and women working in prostitution.
  - a. Raising awareness for oral hygiene.
  - b. Improving accessibility of dental treatment.
2. Creating a sustainable infrastructure to ensure the project's continuity and expansion.

- a. Engaging the young men and women working in prostitution in the planning, development, and implementation of the project.
- b. Training young men and women as dental assistants.

For the medical students:

1. Exposing the participating students to different parts of society while giving them the tools to work collaboratively with members of the community.

# THE PATIENT'S EXPERIENCE AT THE SCHOOL OF DENTAL MEDICINE

In the past two years the School of Dental Medicine is in a momentum of renewal and performance and emphasizes "the customer's experience". The School has a number of different customers:

The patients

The students

The academic staff -the customer of the administrative staff

Along with a number of organizational changes, such as: physical changes in the structure of the clinics, assimilation of the patient's computerized file and changes in the reception process of the patient, the need arose to train the reception team and the assistants.

The training under the instruction of Zohar Propper, organizational consultant, includes three workshop meetings that aim at:

Getting to know the "customer

experience" perception and its connection to our task

Identification of our various customers and their needs

Learning the skills of rendering high quality service and dealing with complex situations

Service within the organization -strengthening and improving work interfaces between the reception team and the managers of the renewal process at the School, all of them must join and contribute to this goal.

*"We will not be able to solve problems in the same way in which we created them"*

Albert Einstein



# TO STUDY DENTISTRY – CONGRATULATING THE STUDENTS AT THE WHITE COAT CEREMONY 2017

To study dentistry at Tel Aviv University is quite an extraordinary experience. We decided, therefore, to share some of the feelings with you so you'll understand the students point of view.

To study dentistry means to get mentally used to be asked the following question: " why do dentists have to study so many years?"

To study dentistry is to play with wax in the first study year and secretly ask yourself what the connection is between the games and extraction, restoration or a crown.

To study dentistry is to plead with physicians about everything that is obvious, such as joining a Facebook group, sharing summaries or a long awaited invitation for a drive.

To study dentistry is an island of co-existence, brotherhood and mutual respect, or triple existence if you want to take into account the ultraorthodox student too.

To study dentistry is to enjoy lots of exemptions from labs and lectures in the first two years, however, it is a pity that we did not use this time to save some money towards the plethora of expenses ...

To study dentistry is a verbal experience of Hebrew, Arabic and of course some English -which leads me to wonder whether anyone really understands the gibberish.

To study dentistry is not to get too close or develop fear of abandonment, for that is what happens when at the end of each year at least five or six students leave.

To study dentistry is to be spontaneous and always expect the unknown, for it is always possible to receive mail that there



## EVENT

is a strike again and a suitcase is waiting to be packed ...

To study dentistry is to complain about the stress and declare the faculty "sucks" if someone asks us for our opinion as he hesitates between Tel Aviv and Hadassa...

However, the truth is that to study dentistry is mainly a great honor and real joy - true, it is a dynamic and overwhelming space but at the same time it is warm and enveloping.

It means feeling that one belongs in spite of the difference, the language, the culture and customs, it is to feel one of a group, without stars and outsiders.

Now that we have come half way we know who should be congratulated. First and foremost you and your family.

The spouses, parents, brothers and for some of us also the sons and daughters without whom we would not have been able to stand here today and sum up the past years.

Of course we also owe our gratitude to the staff who care so much and invest so many efforts. It is obvious that for them our success and training are the only relevant factors.

Last but not least, we ourselves may be proud, for after all we are

the ones who succeeded in passing these years.

We will use this occasion to wish ourselves success too in the coming challenges, and we will always turn any difficulty and confrontation into a positive experience.

We will always remember where we are heading and we will not forget from where we have come, and we will all meet in another 3 years, ready for the challenge of our professional life.

## OPENING EVENT-STUDENTS' BOARD

For the first time since the foundation of the dental school in Tel Aviv, a new students' board that represents all of the students that study in the school is established.

The purpose of the board is to provide the students a sense of belonging to the school and be there for them in academic, cultural and social aspects.

On 2.11.2017 we had year opening event in order to expose the new board and





## EVENT

congratulate the new students. In this event we were able to unite the dental students from all six years and the dental hygienist students together.

This is just the beginning. As the representing board, we intend to conquer targets that haven't been accomplished so far by the dental students and would appreciate your support.

Best regards,

The students' board of the Dental School.





# DEPARTMENT OF ORAL REHABILITATION MEDICAL EDUCATION AND BEHAVIORAL SCIENCES

The Curriculum Committee recently approved the expansion of the program of dental education for the entire 6 years curriculum. This unique program aims at advancing professionalism in dentistry during the pre-clinical and clinical years. Students are divided into small groups accompanied by experienced dentists from the faculty and the community. The meetings take place once a month, discussing issues concerning professionalism, ethical problems and topics related to dental education. The fact that the tutor accompanies the students throughout their studies enables profound and intimate discussions. As part of the program students go out to the community and are exposed to diverse populations: physically and mentally handicapped, homeless, drug and alcohol abusers and victims of violence and sexual abuse. This program will be added to the education the students already receive in behavioral sciences that includes: lectures in the field of psychology, seminars and workshops concerning communication and interpersonal skills. The program will put the Goldshleger School of Dental Medicine in Tel Aviv University

in the first line with the leading universities of the world. The program meets the guidelines of the ADEA (the American Dental Education Association) for dental graduates which includes the domains of communication and interpersonal skills and health promotion.

**The Clinic of Behavioral Sciences** in the School of Dental Medicine is the only place in Israel where integrative medico psychological approach is being applied in order to treat patients suffering from oro- related behavioral dysfunctions, especially dental anxiety and gagging. The unit is also responsible for the education of students, dentists and dental hygienists in the area of psychology, behavioral sciences and hypnosis.

The clinic is activated by dentists trained in cognitive behavioral approaches and hypnosis and a psychologist. This multi-professional team is responsible for the management of patients who arrive to the clinic from all over the country. The medico - psychological approach applied in the clinic is pivotal and unique and is applied during the diagnosis and management of patients.

Dr. Nir Uziel is the coordinator, and in charge of the clinic and of the education for students and dental hygienists. Dr. Uziel is a dentist, highly experienced in medical and dental hypnosis, hypnosis instructor and supervisor, and is a researcher in the field of behavioral sciences. Recently he represented our School in lectures at conventions in Istanbul and Paris.

Dr. Evelyn Weshler is a dentist, highly experienced in medical and dental hypnosis and a hypnosis instructor. Dr. Weshler is in charge of the course of the 4<sup>TH</sup> year for the undergraduate students.

Dr. Efrat Gilon is a dentist and dental hypnotist. Dr. Gilon is in charge of the course for dental hygienists.

Ms. Hilda Golroch is a dental assistant and in charge of the administrative work with patients in the clinic.

We would like to thank Prof. Ilana Eli, the past Head of the School, who established this section. In the past she served as Head of the Department of Occlusion and Behavioral Sciences, and conducted most of her research in the field of behavioral sciences,

Ilana's tireless work to improve education in this field, her passion for research, her willingness to help, together with her clinical abilities, were remarkable for the building of this unit. We are sure that after her retirement she will continue to be part of our team, will serve as tutor for the students, and will be a role model for the new generation of dentists.

We would also like to thank Joseph Meyerson, a clinical psychologist who served at our clinic for the last five years and contributed in the research, teaching and his special way of using hypnosis with patients. Mr. Meyerson is now writing a thesis in burnout and empathy among dentists. He will be replaced by Naftaly Edry, a highly experienced medical psychologist who will certainly lead this section forward.

**To allow a short glance at the work of the clinics a case is presented.**

A 36 year old man was referred

to our clinic with complaints of extreme fear and a severe gag reflex. During the years he did not accept any dental management, and nowadays he needs several fillings and a root canal treatment.

"I can't brush my teeth ", "I can't even chew the food ", "I feel immediately like vomiting ...." he proclaimed before climbing on a dental chair. Upon examination, the gag reflex appeared when touching the upper front teeth with a mirror.

At first he was very nervous and agitated, but after 3 treatment sessions he managed to receive treatment without gagging or excessive stress.

He told us that when he was 6 years old he was taken by his father to dental treatment where the dentist behaved aggressively and didn't pay attention to his complaints. When he refused to go again to receive dental treatment his father laughed at him and since then his refusal was the issue at every familial meeting where the

extended family pressed him, saying: "you should be a hero and go to receive treatment".

The successful treatment was achieved by carefully planned and applied medico-psychological intervention. Hypnotically submitted desensitization and healing metaphors were presented and adopted by the patient in the newly acquired atmosphere of trust and mutual respect. Using the age regression technique he was accompanied by his father, who was now supporting, and entered a "new dental clinic" where the dentist was empathic and paid attention to his complaints. At the end of the session no gagging was observed when trying to touch the upper and lower molars. A week later he reported being able to chew his food and to brush his teeth with no complaints of gagging whatsoever.





# THE LECTURERS AND THE SUBJECTS

**Dr. Nurit FleischerSalem**

Prevalence of dens invaginatus and its association with clinical morphological features of maxillary incisors

**Dr. Amir Chana**

The influence of Orthodontic treatments in adults on their self esteem

**Dr. Sigal Buch**

Oral Mucosa Derived-Stem Cells Do Not Age

**Dr. Yuli Bitterman**

Population Characterization Based on Dentin Trait Lower Second Premolar Transverse Crest

**Dr. Ina Arye**

Oral Mucosa-Derived Stem Cells From Basic Science To Translational Studies

**Dr. Michal Halperin Sterenfeld**

The development of Hybrid Hydrogels on base of Polysaccharides and Peptides for bone regeneration

**Dr. Diana Gryzel**

The Clinico-pathological and Prognostic Significance of Cancer Associated Fibroblast in Oral Cancer: A Systematic Review of the Literature and Meta-analysis





# RESEARCH DAY AT SCHOOL





# DEPARTMENT OF ORAL PATHOLOGY AND ORAL MEDICINE

The year 2017 has been a cornerstone for the Clinics of Special Care of the Department as they moved to the newly renovated wing. The cutting edge dental facilities enable us to deliver best quality treatment to the medically compromised

and adequately trained staff for treating patients with dementia and/or chronic diseases is more than obvious. We aim to establish a unique service for this population in the Tel Aviv area. In line with this, we recently started a project

has hit epidemic proportions in the past 10 years, despite the decline in smoking and in direct opposition to decreasing incidence of all other head and neck cancers. Oral cancer is more prevalent cancer and melanoma on the annual cancer death charts. Some 40,000 Americans are annually diagnosed with oral cancer; only half will survive five years. Following the global trends, a rise in the incidence of oral cancer is also seen in Israel, with a tendency to occur in younger patients than it used to be in the past. As part of the *Oral Cancer Awareness Week* we will encourage the public to come and receive a free examination by our dedicated staff. This should emphasize the importance of routine check-ups of the oral cavity. Hopefully, in some cases this may help in the early detection of oral pre-malignant or malignant lesions and help patients to receive adequate treatment as soon as possible, contributing to a favorable prognosis and improvement of their quality of life.

In the past four years we have revived an old tradition of our Department - the Clinico-Pathological Conference (CPC). Oral pathologists from the Department, Profs. Marilena Vered, Ilana Kaplan and Abraham Hirshberg, are in charge of organizing the CPCs. These meetings are nationally



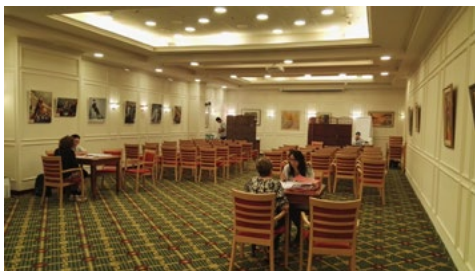
*Dr. Osnat Grinstein-Koren (front, left) lecturing on the importance of oral health and our survey for establishing dental needs*

patients and all other patients in need of the services of the Oral Medicine clinics, such as those with pre-malignant lesions in their oral cavity, patients who suffer from oral dryness or bad breath (halitosis). In addition, our service of dental treatment using sedation or general anesthesia is due to commence in the coming months.

Another field of activity to be developed at our Department is geriatric dentistry. In light of the rapidly growing population of elderly people, the need for dental clinics with physical accessibility

that aims to determine the current dental status and needs of elderly individuals. This project is led by Drs. Osnat Grinstein-Koren and Ayelet Zlotogorski-Hurvitz from our Department. Under-graduate dental students, as well as trainees in Oral Medicine, take an active part in this project. This is our way to represent the School in the community and engage in a project that promotes dental public health.

Going public is, the goal of yet another project that we have just started to organize - *Oral Cancer Awareness Week*. Tongue cancer



*Our students and trainees meeting participants in the survey in a house for the elderly*

recognized as the best platform for joining specialists and trainees from the fields of oral pathology, oral medicine and oral and maxillo-

facial surgery, granting the opportunity to enrich knowledge, share experience and discuss problem-solving cases. Furthermore, Prof. Vered was in charge of the organization of the CPC of the 1<sup>st</sup> national meeting of the Forum of Specialists in Dentistry of the Israeli Dental

Association. This CPC was one of the highlights of the meeting as the audience included representatives from all specialties in dentistry.

The lecture hall remained full until the last word was attend while the parallel sessions were well over. The CPCs are one of the most valuable “assets” of our Department and we are proud of it!

We are confident that the coming year will provide fruitful opportunities for research, collaborations and public activities in our Department.

# IMPROVEMENT MANUAL DEXTERITY CAPABILITIES AMONG DENTAL STUDENT RESEARCH.

A group led by Prof. Tamar Brosh, including Prof. Raphael Filo, Dr. Yefi Levanon from the Department of Occupational Therapy, PhD student Dr. Diva Lugassi and engineers from the Faculty of Engineering at Tel Aviv University developed methods for practicing and improvement of manual

dexterity capabilities in the early stages of the Phantom course which takes place during the 4th year of dental medicine studies. During this course the students have to confront the basic manual requirements of a dentist, and difficulties are observed during this year. A home practice equipment



named “Phantom” was developed. The equipment includes plastic jaws and teeth, identical to those used in the phantom laboratory and a vise. The jaws are connected to the vise and may be placed on any table, e.g., at home. The equipment also includes basic dental equipment: a dental

mirror and tweezers. Students must perform tasks that develop their ability to work in the oral cavity, while being familiar with its 3-D space. At the same time, an educational study program was developed for on-line missions instructions. A clinical study conducted during the academic year 2016-2017 showed that students improved their phantom performances as reflected by their grades at the beginning of the course compared to previous years.

This research is funded by the Ministry of Science Foundation.



## ACADEMIC PROMOTION



**Marilena Vered**  
Was promoted to the rank of Full Professor in Oral Pathology and Oral Medicine



**Abraham Hirshberg**  
Was promoted to the rank of Full Professor in Oral Pathology and Oral Medicine



**Pnina Segal**  
Was promoted to the rank of Clinical Lecturer in Oral Rehabilitation



**Dror Allon**  
Was promoted to the rank of Senior Lecturer Oral and Maxillofacial Surgery



**Gavriel Chaushu**  
Was promoted to the rank of Full Professor in Oral and Maxillofacial Surgery



**Ilan Bitheltom**  
Was promoted to the rank of Lecturer in Periodontology



**Igor Tsesis**  
Was promoted to the rank of Associate Professor



**Adrian Kahn**  
Was promoted to the rank of Lecturer



**Dr. Tal Razon**  
the new coordinator of the Department of Pediatric Dentistry

► Dr. Moumita Ghosh and Dr. Michal Halperin-Sternfeld received the Marian Gertner Institute for Medical Nano systems- Excellence Award

► Dr. Ephraim Winocur was elected as a Regent Alpha Omega Israel

## OUTSTANDING WORKERS

During Passover celebration, we distributed certificates to six workers for their admirable job. The selected employees for this year are:



**Galia Breznick**



**Eli Yossef**



**Avi Chzori**



**Moshe Peretz**



**Nrit Yosha**



**Shirly Sevilla**



## A NEW HEAD OF DEPARTMENT

**Dr. Sigalit Blumer** was elected as a Head of the Pediatric Dentistry

Dr. Sigalit Blumer graduated from the Tel Aviv University School of Dental Medicine in 1988, where she specialized in pediatric dentistry between 1992 and 1996.

Between the years 1998 - 2012, she was a staff member of the Department of Pediatric Dentistry at the School of Dental Medicine of Tel Aviv University, and was in charge of teaching students in the years 5- 6. Between 2012 and 2016 she served as the coordinator of the Department of Pediatric Dentistry at the School of Dental Medicine of Tel Aviv University.

In 2016, she was elected Acting head of the Department,

and in 2017 she was elected Head of the department of Pediatric Dentistry at the Maurice and Gabriela Goldschleger School of Dental Medicine, Tel Aviv University.

Dr. Blumer has published numerous scientific articles in international professional journals, and is member of a number of editorial boards of international professional scientific journals. She is a member of the professional committee for specialization in pediatric dentistry, and of its examiners' committee. She has extensive experience in caring for children in general and children with special needs in particular.

Dr. Blumer' goals are to emphasize high teaching standards and research collaborations at school and outside the school.

A great deal of emphasis will be placed in the coming years on the department's relationship with the community and the dental health of the children in the community.

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## RETIREES

### **Academic STAFF**

Prof. Ilana Eli  
Dr. Gal Gavriel

### **Administrative staff**

Dorit Ashcenazi  
Israela Peleg  
Vardit Scharberg

## DAN DAVID PRIZE SCHOLARSHIP GRANTED FOR DENTAL-ANTHROPOLOGY PROJECT

On May 2017 Dr. **Itay Nudel** received a scholarship for the project "Secondary Dentin Evaluation Using Computerized Tomography: Application for Anthropology and Forensics". As a Ph.D. student in Dr. Rachel Sarig's lab of dental anthropology and co mentored by Dr. Nir Shpack of the Orthodontic Department, Itay focuses on unveiling how dentin accumulates with age and attrition, allowing the evaluation of ancient

teeth found in archeological sites.

The Dan David Prize annually grants three prizes in chosen fields Past, Present and Future dimensions. This year the prize for the Past dimension focused on the collaboration of archaeology and exact and life sciences, and was awarded to Prof. Svante Paabo and Prof. David Reich for their pioneering work in sequencing ancient DNA.

Prize laureates donate 10 percent of their prize money to doctoral scholarships for Ph.D. students with outstanding research in their field from around the world. Itay's project was selected under the category of Archaeology and Natural Sciences, as it provides a bridge cross over between dental sciences and archeological research.



## PROF. TAMAR BROSH - THE COMMISSIONER OF SEXUAL HARASSMENT PREVENTION AT TEL AVIV UNIVERSITY.

**Prof. Tamar Brosh**, Head of the Department of Oral Biology Department, nominated by TAU Rector, Prof. Yaron Oz, serves as the commissioner of sexual harassment prevention at Tel Aviv University. Besides actions

of preventing sexual harassment among the entire Tel Aviv University community, students, academic staff and administration, she is in charge of receiving complaints concerning sexual harassment. She has to check and

verify complaints according to Israeli Law and Tel Aviv University regulations, and then provides the Rector with her conclusions and recommendations. She also reports her activities to the Israeli Knesset.





## SENIOR FACULTY MEMBERS FROM THE SCHOOL OF DENTAL MEDICINE NOMINATED FOR CENTRAL POSITIONS AT THE UNIVERSITY

Recently, two female Professors from the School of Dental Medicine were nominated for important positions at Tel Aviv University (TAU).

Prof. Ilana Eli, the former Head of the School of Dental Medicine, was recently nominated by TAU President, Prof. Joseph Klafter, as the President's Advisor on Gender Equity. Tel Aviv University is a multi-facial community which includes a wide variety of research and teaching fields, including exact, life and social sciences, medicine, engineering, law, art, management and humanities. In each and every one of these fields women are playing major and important roles. However, the way to full and equal integration of women on the campus is still far from being complete. While over 50% of the total PhD graduates at TAU, and around 50% of the initial academic degree holders (Lecturer) at TAU are female, only about 20% of women reach the most senior academic degree of Full Professor. In spite of impressive progress in the last decades, obstacles which are unique to women still exist.

With TAU being the largest university in Israel, Prof Eli believes that it is the university's duty to work toward gender equity at

all levels of faculty members. TAU sees utmost importance in recruiting more young and bright female scientists, and incorporating more women in the senior academic degrees. As the President's Advisor on Gender Equity, Prof. Eli's goal is to evaluate the reasons which make women's progress in the academic world more difficult and ease any existing obstacles. Increasing the number of leading women in the academy in general, and in Tel Aviv University in particular, will not only enable women to fully express their potential but also benefit the University and the entire Israeli society.

Already to date, TAU has finalized a 5-year strategic plan to apply Gender Equity in the campus. Specific plans have also been completed for each of the TAU nine faculties. Each faculty has nominated its own Gender Equity committee whose goal is to diagnose specific problems and act towards their correction. Significant funds have been allocated for stipends to women going abroad to complete their post-doc studies, with their families, and for women who need to travel with a young baby to international scientific meetings. A daycare center for young children was established

within the campus and there are many more blessed initiatives.

Prof. Eli believes that acknowledging the problem and collaborating with the entire TAU community will turn the TAU campus into a world-wide model for women integration and leadership in the academy.

## DENTIST OF THE FUTURE

This year in the framework of the clinical presentation competition of the Dentist of the Future program of the 3M company, where 17 representatives of various universities met at the German company's headquarters, Guy Ronen, 6<sup>th</sup> year student won the second place. A student from Romania won the first place and a student from Russia won the third place.

Guy impressed the panel of judges with his eloquence in front of the public, with the patient's clinical story, with the clinical work results and with his pleasant personality. Guy really captured their hearts. Moreover, Guy won the first place in the Battle of the Bonds competition which aims at obtaining the highest Shear Bond Strength values.

The second prize in the competition is participation in the Masterclass on Presentation Skills Clinical Photography, at the expense of 3M, after his graduation.

It is a truly admirable achievement!

# OUTSTANDING TEACHERS OF THE YEAR



Dr. Pesia Friedman Rubin getting her Excellency Diploma from the rector Yaron Oz, at the Excellence in Teaching Ceremony



PROF. HAIM SARNAT WITH THE STUDENTS RECEIVING THE SARNAT SCHOLARSHIP



MR. ZILONY AND PROF. WEISS WITH THE STUDENT RECEIVING THE SCHOLARSHIP

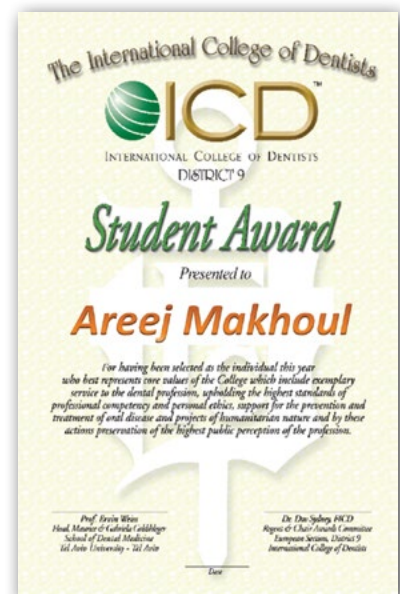




## THE MARDINGER FAMILY WITH PROF. WEISS AND THE STUDENTS RECEIVING THE SCHOLARSHIP



## THE INTERNATIONAL COLLEGE OF DENTISTS



# THE DEPARTMENT OF ORAL REHABILITATION AND THE TRAINING CENTERS OF DENTAL MATERIALS COMPANIES

The year 2017 was characterized by increasing collaboration between the Department of Oral Rehabilitation and training centers of dental materials companies. Four groups of department faculty members visited GC headquarter in Belgium, 3M and VITA in Germany. The aim of these visits is to expose the clinical instructors to new materials and techniques for established in the student's dental clinics.

A total of 63 faculty members participated in these study groups and they reported that the visits contributed to their clinical and teaching skills.





# TWO ACADEMIC AND SCIENTIFIC COLLABORATIONS

This year Tel-Aviv University Dental School has signed two Academic and Scientific collaborations:

1. A memorandum of understanding has been signed between the Regents of the University of Michigan on behalf of its School of Dentistry and Tel-Aviv University Dental School in order to promote cooperation in dental education and scientific research.
2. Student and Faculty exchange agreement between Tempel University of the Commonwealth System of Higher Education on behalf of its Kornberg School of Dentistry and Tel- Aviv University Dental School.

# A JOINT SEMINAR OF THE TAU AND HUJI DEPARTMENTS OF PEDIATRIC DENTISTRY IN TA

On November 9, the Department of Pediatric Dentistry at the Maurice and Gabriela Goldschleger School of Dental Medicine at Tel Aviv University had the pleasure of hosting 30 members from the fellow department at the Hebrew University Hadassah Faculty of

Dental Medicine. After a tour of the building and facilities, a joint seminar was held on “Missing teeth: etiology, characteristics and current treatment modalities”. The post-graduate students of the Tel-Aviv University department presented the topic as well as

clinical cases. The seminar was moderated by Dr. Sigalit Blumer, the Head of the Department at Tel-Aviv University.





# DAY OFF AT SCHOOL

## OUR JOURNEY TO THE CARMEL MOUNTAIN

This year's annual trip started with a morning walk along Ein Hashofet spring, (Spring of the Judge) located in the northern part of Israel, in the Hills of Ephraim, 30 km. from the city of Haifa.

Judges Spring was named in honor of United States Supreme Court judge Louis D.Brandies (1856-1941), who played a leading role in the Zionist movement.

After a one hour walk in the blooming nature and flowing water we drove to the Morad winery.

Located at the foot of Israel's Carmel Mountains, and amid the beauty of the fertile Galilee, the Morad Winery is in Yokneam, where nature's harvest is transformed into the world's finest kosher wines and liqueurs. Using fruits, vegetables and herbs, the winery produces a large selection of tasteful and exotic offerings- from passion fruit to pomegranate, and we were lucky enough to get a taste of some of its aromatic wines.

In high spirits from the wine we continued our journey to the picturesque village of Isfiya.

Isfiya, also known as Ussefyia, is an Arab Druze village located on the top of Mount Carmel, commanding a panoramic view of

the surrounding green hills.

The village has a rich tradition of openness, hospitality, and warmth that is characteristic of the Druze community. Its special location and rich ethnic tradition and culture have proved especially attractive to travelers and tourists.

Isfiya was built on the ruins of a Byzantine settlement. Crusader

remnants have been found in the village. In 1930, remains of a 5th-century Jewish town, Husifah, were unearthed in Isfiya. Among the finds is a synagogue with a mosaic floor bearing Jewish symbols and the inscription "Peace upon Israel." A cache of 4,500 gold coins was found, dating from the Roman period, as well as a building, dating from the second-fourth century CE



*Old city of Caesarea*

excavated, together with ceramics and coins dating from the period. Isfiya was mentioned as part of the domain of the Sultan during the hudna between the Crusaders based in Acre and the Mamluk sultan al-Mansur (Qalawun).

The Druze came to the village in the early eighteenth century. The inhabitants made their living from olive oil, honey and grapes.

Isfiya was one of only two villages remaining on Mount Carmel after the expulsion of Ibrahim Pasha in 1841. Seventeen other villages disappeared. The village's survival was partly attributed to "the exceptional valour" of the inhabitants, partly to buying protection from a local chief, Aqil Agha.

Today Isfiya has a Druze population of around 12,000, there are around 64 Druze families. Only 30% of the population is religious. Druze people do not believe that the world was built in 7 days. Druze people believe that genetically it is not possible that we came from Adam and Eve. The Druze people have been offered their own "country" in the past but declined- they are loyal to the country they reside in. Druze youth serve in the Israeli Army.



The Druze people may be found in Israel, Syria, Lebanon, Palestine, Jordan, USA, Canada, Venezuela and a few other countries. Syria currently has the highest Druze population in the world. They have their own flag .

The Druze religion has been closed for 1000 years or more. You cannot get out of being a Druze. You cannot become a Druze, it's all done through inheritance.

We started off walking down the streets of Isfiya, passing houses where the Druze people live.

We were hosted in one of these houses, for a traditional lunch which included endless plates with delicious local food. At the end of the meal we had a lecture about the Druze way of life, women status in the Druze society, we heard terrifying stories about reincarnation and burial customs.

All in all, this Druze village tour was an experience worth a detour and we recommend it for your next trip to Israel.









# VISITORS



*Janna Brodsky with prof. Weiss*



*Dr. Andre Amiach meeting with the school staff*



*From L to R Prof. Ervin Weiss Dr. Patrick Hescot, President of FDI & Dr. Shlomo Zusman*



# THANK YOU FRIENDS

