

MESSAGE FROM THE HEAD OF THE SCHOOL



In many occasions, the burden of oral disease, and its devastating cost to families and societies, is still underestimated. Oral diseases are among the most common chronic diseases. It is the fourth most expensive disease to treat in the world. Dental caries affects most adults and children, periodontitis is the major cause for tooth loss globally, and oral cancer is the 8th most common and most costly cancer to treat. Oral infection has been associated with issues ranging from pre-term birth and low birth weight to heart diseases, and it is now established that poor oral health is an important contributing factor of several preventable diseases.

Unfortunately, being surrounded by security threats since the beginning of its existence, the State of Israel has not always provided all the funds needed for oral health. This led to many years of neglect of oral health among the weakest populations – the aged, the poor, the disabled. Even today, with the new law enabling free dental care for children until the age of 12, many of the poorer families fail to bring their children for regular treatment.

Our vision, as an Israeli Dental School, includes work towards meeting the increasing need and demand for oral healthcare in Israel. In order to do so, we need to educate new generations of dentists who know not only how to treat, but also how to prevent future disease. We try to work toward mitigating the impacts of socio-economic dynamics by supplying high level care to all parts of the society, and developing basic and clinical research.

It is not only our goal, but also our responsibility as dental educators, to prepare our graduates to deal with all these challenges. While all these aspects are addressed in our undergraduate and graduate curricula, it is our strong belief that spending most of the studying period in the protected academic environment is not enough. Our students have to be exposed to, and learn how to cope with populations that are not routinely treated in University clinics, namely, outreach to the communities outside the TAU campus. Some of our community programs include projects such as treating Ethiopian girls at a religious girls' high school at Kfar Sava (page 4), a new course for treatment of geriatric patients at the Strauss public clinic in Tel Aviv (page 7), and initiate (in collaboration with AKIM) a special comprehensive program to provide dental care to disadvantaged intellectually disabled individuals in the Tel Aviv greater area, who reside with their parents.

The aging process affecting all Western societies results in more and more patients who suffer from complex systemic conditions requiring dental care. It is essential that the modern dental practitioner has a wider background in medicine in general and internal medicine in particular. Therefore, our graduate



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dental students receive an extensive course in clinical medicine, including a 3 weeks term in an internal medicine ward. The intention is that our graduates will not only be excellent dentists but will also have a broad background in general medicine, which will enable them to give proper dental care not only to the young and healthy but also to the aged, sick and needy. A new collaboration with Clalit Smile (one of the biggest health and dental insurance organizations in Israel), brings to the School numerous such systemic patients who are in the need of dental care. This enables our residents and students to learn the complexities involved in the treatment of such patients and the patients to receive high class dental care and avoid the need to go to the hospital. (page 25)

As you hopefully realize, during the past 3 years our beloved Dental School has completely changed its course. No more dwelling on the past - we are busy with initiating new collaborations and projects, expanding our academic activities, reorganizing our teaching curricula, investing in novel fields of research and building new clinical facilities.

After almost two years of planning and construction, the first floor of the Rothstein Williamowsky Graduate Clinics is completed and will soon be fully operational see (page 28) . Residents in Prosthodontics, Periodontics and Endodontics will not only enjoy the new facility but are also able to provide better care to those who are in the greatest need of it.

The new spirit in the School is also evident in the "change of guard" in the faculty. While many of the highly acclaimed senior faculty members are retiring, numerous young and vigorous faculty members are joining , bringing new ideas and energy. Recently, Prof. Vardimon has finished his term as the Head of the Department of Orthodontics and was replaced by Dr. Nir Shpack (see page 32). Alpha Omega, which established the Dental School at TAU some 40 years ago, is continuing to be our soul and strength. Alpha Omega, with its principles of fraternity, its endeavors toward promoting oral health throughout the world, its support to dental education, is both our role model and our greatest supporter. We could not have done it without all of you.

Thank you all!



OPENING UP TO THE COMMUNITY

A FRUITFUL COLLABORATION **BETWEEN THE** **DEPARTMENT** OF PEDIATRIC DENTISTRY AND "AMUTAT LASOVA"

The Department of Pediatric Dentistry at our School puts a special emphasis on community activities. We strongly believe that clinical education must be accompanied by working with and for the community. We believe we have to educate children and caregivers to keep the children's teeth clean and healthy. We believe we ought to provide all children with means to look after their own oral hygiene and dental health.

"Amutat Lasova" is a unique non - profit organization of volunteers which activates youth centers in the Tel Aviv area. This voluntary organization provides children with social activities, meals and educational activities through a number of youth centers. A unique collaboration between Amutat Lasova and the Department of Pediatric Dentistry has been established: children and adolescents from the Kadima youth centers operated by Amutat Lasova receive free dental treatment by the fifth and sixth-year dental students. The children arrive to the TAUSDM accompanied by volunteer instructors from the Amutat Lasova who stay with them throughout the dental appointments.

In this project, dozens of children received dental treatment which included preventive measures, dental health education, and all restorative treatment. It is important to note that the children came to our clinics with joy, and all wished to return.

The project was made possible after a meeting between Prof. Benny Peretz, Head of the Department, Mr. Eyal Glas, manager of the Kadima Youth Centers, Mr. Johhny Eitan, a board member and volunteer in Lasova, and Prof. Haim Tal who connected between the parties.

The project is expected to continue and expand in the coming year, with more children and adolescents coming to the TAUSDM.





OPENING UP TO THE COMMUNITY

ACTIVITY AT A RELIGIOUS GIRLS' HIGH SCHOOL IN KFAR SAVA

As part of our commitment to unprivileged communities in the area of greater Tel Aviv, 2nd year dental students were involved in teaching and explaining oral health to girls studying at a religious high school for girls (Ulpana) in Kfar Sava .

The high school girls, all newcomers to Israel from Ethiopia who arrived to Israel about 2 years ago, had very little knowledge and experience in dental care. Our students arrived at the high school on four different occasions during which they explained to the girls the importance of oral health, oral hygiene and decreasing caries. Each of the high school girls underwent a personal oral hygiene instruction and received an oral brush and oral paste free of charge, courtesy of Colgate Co., Israel.

For most of the Ethiopian girls this was the first encounter with dentistry, and our dental students were received with great enthusiasm. Who knows, maybe we are witnessing a new future generation of dentists and hygienists emerging from among this enthusiastic group!.

The project was organized as a collaboration between the School (with the help of Mrs. Miri Dotan and Prof. Peretz) and the Department of Social Involvement in the University (with the help of Idith and Yasmin). With its success, and with the increase in the number of dental students admitted to the School in recent years, we plan to expand it in the coming years also to other institutions.



OPENING UP TO THE COMMUNITY



Hello everyone,

On Monday 17/6/13 we had the last meeting with the girls of the Ulpana in Kfar Sava. First of all we repeated the subjects we had studied previously and it was exciting to see how the girls react and give the right answers to all the questions and enjoy taking part in the activities prepared for them.

I think we succeeded in this project. In a relatively short period of time we created a good relationship with the girls, expanded their knowledge in issues of oral and dental health, and managed to give them the right tools to maintain a healthy body and teeth.

We had a wonderful time working with the girls at the Ulpana. The girls are smart, have the ability to absorb and are very motivated to learn.

Finally, I want to thank all the people who participated in setting up the project and took part in its success: the lovely Ms. Miri Dotan, who supported us right from the start and obtained the products and dental equipment that served us during the period of volunteering. I want to thank Prof. Beny Peretz for his professional training and his trust. The wonderful Idit and Yasmin of the Unit for Social Involvement at the University for their accompaniment and pedagogic training. Thanks also goes, of course, to the management of the Dental School and the management of the Social Involvement Unit for the opportunity to be able to volunteer and contribute to society in the line of dentistry which is so interesting and important to all of us. We had the honor of working with you, we enjoyed it very much and we hope that this project will continue in the coming years as well in a more extensive way.

Areej εīg Makhoul, 2nd year Dental Student





OPENING UP TO THE COMMUNITY

TREATING HOLOCAUST SURVIVORS, AN AO PROGRAM



In 2009, the Holocaust Survivor Program was created, in order to serve the oral and dental needs of Holocaust survivors living in Israel. This population has special needs because of the trauma they lived through. We have also treated other indigent and needy populations, that have no other place to turn to. Since March 2009, this program has treated numerous patients. The program pays all expenses for all procedures and care performed and provides vital services to an



important under-served community.

Please accept the gratitude of the Israel Holocaust Survival Dental Program that has benefitted greatly from the funds which were raised through the years by AO fraters in various chapters, individuals and the US foundation. It is a reflection of the ever-present philanthropic presence of these fine people. It is appreciated by me, the Alpha Omega Tel-Aviv Chapter and the dental school students in both Universities, who deliver their services to the survivors, and of course by the survivors themselves.

I would like to express my personal appreciation and gratitude to all those

individuals who helped me and the Holocaust Survivor Dental Program to achieve its goals. Especially my dear frater and mentor Ben Williamowsky who did not save any effort to keep this program going, Alona Emodi and Ephraim Winocour from AO Tel-Aviv, Ziv Simon and the AO Southern California Ch., Barbara Friedman, Mark Rothman and the US Foundation, Wendy and Mike Spektor, Andre



Amiach and the AO Tel Aviv Ch. were our gracious donotors. G-D blesses you all.

Did this program arrive to its final stop?! We hope not. We encourage all fraters to support this sacred program. There are in Israel more than 190,000 Holocaust Survivors, among them more than 96,000 are very poor and needy people.

We do treat these people "pro bono" in our offices but it is a drop in the ocean, we have to do more and to hurry, they are getting old and needy.



TREATMENT OF THE ELDERLY AND **THE INTELLECTUALLY HANDICAPPED** IN TEL AVIV

Undergraduate dental education, postgraduate and specialization programs and research are the obvious aims of any dental school.

At these days of shortage of budgets and funding for healthcare services, we find it our duty to promote our social responsibly, open up to the community and use our resources to give service to the needy and underprivileged. This way we will not only help the communities surrounding us but also widen the aims of our dental education, graduating better and more socially conscious dentists.

One of the initiatives is to create collaboration between the Department of Prosthodontics, headed by Prof. David Kohavi, and the municipality of the city of Tel-Aviv-Jaffo. We are at the final preparations for opening an innovative graduate program for dentists regarding the complex issues of dental care among elderly patients. The course will have both theoretical and practical modules and will include all aspects and disciplines of dental treatment for the aging population. As a tribute to the elderly, we will offer our services in the community. We will conduct the program at "Bet Strauss" historic clinic that exists for many decades. The dental clinic in "Bet Strauss" used

to provide treatment for socially underprivileged children until recently, when the new law enabling free dental care to all Israeli children (until the age of 12) shifted the responsibility for child dental care to the health insurance organizations (Kupot Holim). As part of our program, the clinic will be used to treat elderly patients and Holocaust survivors, many of whom reside in the vicinity of "Bet Strauss". It is in our belief that with the continuous aging of our society educating dentists to focus on this issue is of great importance.

Another plan underway is to open a special care clinic which will focus on dental treatment to (among others) the intellectually handicapped. This clinic will be a joint project of Tel Aviv University and Akim Israel, an organization devoted to taking care of these individuals and their families. Both parties seek to promote a special comprehensive program to provide oral care and advanced dental treatment to thousands of disadvantaged intellectually disabled individuals in Israel who reside with their families. We plan to involve undergraduate students in the program in order to provide them with the opportunity to be exposed to this community and learn modes of communication, management and treatment.



RESEARCH ACTIVITIES

INSIGHT TO PERI-IMPLANTITIS RESEARCH – DISEASE OF THE NEW MILLENNIUM

Peri-implantitis has become a growing concern among dental practitioners. This relatively new condition has been reported to affect some 40% of functioning implants. Anaerobic bacterial infections, innate host inflammatory response and macrophages foreign body reaction are some of the underlying etiologies. In an effort to gain better understanding of this ailment and devise possible treatments our research team has embarked on a series of related clinical and laboratory studies. The research of the Department of Prosthodontics is supported by the Rothstein fund for dental research and is done in collaboration with Dr. Gabet's bone research lab at the Sackler faculty of Medicine. The clinical research is supported by the Ernst & Tova Turnheim fund for clinical dental research and focuses on the study of various biomarkers of foreign body

reaction around ailing dental implants. In addition, we also conduct studies on the formation and composition of bacterial biofilm on titanium surfaces (see image below) using advanced techniques, and looking into possible agents that may inhibit biofilm formation or affect its composition to less pathogenic. So far we have tested various antibacterial agents and high intensity blue light and our preliminary results are promising. The studies are led by Dr. Nir Sterer who graduated from the Tel Aviv University School of Dental Medicine in 1997. He was awarded a PhD degree in microbiology from the department of Clinical Microbiology and Immunology, Sackler Faculty of Medicine in 2002. He is currently a teacher and researcher in the department of Prosthodontics.



Fluorescence microscopy image (x400) of experimental oral biofilm (in red) grown on SLA titanium surface and enables the quantification of biofilm formation or inhibition by various agents.



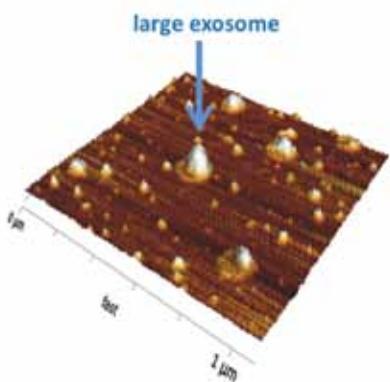
RESEARCH AT THE DEPARTMENT OF ORAL PATHOLOGY AND ORAL MEDICINE

Dr. Anna Schnaiderman-Shapiro has joined our institution's vast research project on oral cancer by enrolling into an MSc program. She will be mentored by Profs. Marilena Vered, Dan Dayan and Amos Buchner. Her thesis will focus on the characterization of the "metastatic niche", which is a hot issue in the field of oncology. Dr. Schnaiderman-Shapiro will focus on the molecular changes within the cervical lymph nodes of oral cancer patients before the arrival of metastatic cells. According to preliminary results, this study has the potential of revolutionizing thinking in treating patients with oral cancer, especially those with tongue cancer, in terms of preventing metastases and thereby improving patient survival.

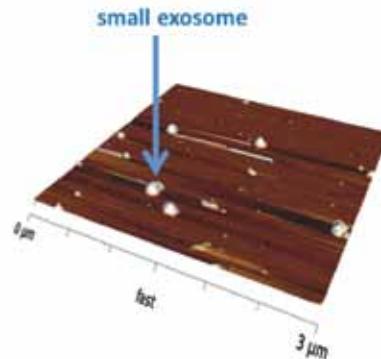
In parallel, research on nano-particles in oral cancer patients is making substantial progress. Isolation and characterization of nano-particles (exosomes) from the saliva of cancer patients are part of the PhD project of Dr. Ayelet Zlotogorski. This PhD program is mentored by Profs. Marilena

Vered, Gavriel Chaushu and Dan Dayan. Preliminary results of the study have clearly shown differences between exosomes derived from the saliva of cancer patients and those from healthy individuals. These differences were demonstrated by different methodologies, most notably a relatively new one for 3-dimensional demonstration of nanoparticles, namely atomic force microscopy (AFM) (Figure). Dr. Zlotogorski presented these results at the 4th World Congress on Oral Cancer organized by the International Association of Oral Oncology, held in Rhodes, May 2013, and received strong positive feedback from the audience. Due to its novelty and clinical importance, the exosome project adjoined other prestigious research projects at Tel Aviv University and was selected to be presented in the brochure of the Center for Nanoscience and Nanotechnology, Tel Aviv University, aiming to recruit research funding of \$22,000,000 in donations from the USA.

Cancer saliva



Healthy saliva



Cancer saliva shows exosomes that are more frequent and of variable sizes compared to exosomes isolated from the saliva of healthy individuals. Pictures taken with the aid of AFM (NanoWizard®III, Berlin, Germany) at the Nano-Center, Tel Aviv University.



RESEARCH ACTIVITIES

KAMIN GRANT

A research grant of 400,000 Shekels from the Chief Scientist of Ministry of Economy ("Kamin") was received this year by Profs. Raphael Pilo and Tamar Brosh in collaboration with Prof. Ehud Gazit, who is the Chair for Nano-Biology at Tel Aviv University, for their study "THE USE OF PEPTIDE NANOSTRUCTURES FOR THE REINFORCEMENT OF DENTAL MATERIALS".

This research project's aim is to investigate the potential use of self-assembled peptide nanotubes as nanofillers for polymeric composite materials for dental applications, specifically for dental urethane-diacylate and dimethacrylate based matrix compositions. The common reinforcement method with nano-molecules in the operative dentistry

field is mainly applied in the use of composite restorations. There is a large spectrum of products in dentistry aiming at gaining both strength and wear resistance of an applied tooth restoration. The incorporation of nano-fillers within composite material restorations is already a common practice. The proposed new technology of incorporating biological materials with nano-scale dimensions as fillers may provide the composite materials with superior mechanical properties and adhesion to tooth structure, eliminating common problems of fractures, micro-leakage and secondary caries. Also, here the amount of the nano-particles in the final product can be controlled allowing fabricating materials with different stiffness for the various applications.





THE MARDINGER SCHOLARSHIP

In 2012, with deep sorrow, we lost a dear colleague and friend, Dr. Ofer Mardinger. Dr Mardinger was an important person in the Department of Oral Surgery at our School. He was a talented surgeon with high professional skills and performed his work with proficiency. The Mardinger family has decided to commemorate Ofer's work in the best possible way – to dedicate scholarships for two senior students with exceptional academic accomplishments. This year's recipients were: Ms. Yoli Marom from the 6th year and Dr. Asaf Shely. This is undoubtedly the best way to commemorate this wonderful man, clinician, researcher and friend.



Dr. Ofer Mardinger

THE DR. RICHARD WOLFSON MEMORIAL PRIZE

The Scottish Friends of TAU and the Alma & Leslie Wolfson Charitable Trust sponsor an annual prize to be awarded to a final year dental student who has shown the most improvement in his academic studies from his first year at the University.

The recipient this year was Dr. Michal Eger



Dr. Michal Eger

THE MIJIRITSKY FAMILY FUND

The Mijiritsky family fund was set up in 2008. It distributes every year scholarships to students of medicine, dentistry and doctoral candidates to encourage various fields of research at the hospitals that work with the faculty of Medicine at Tel Aviv University. The Miziritsky family fund is presently the largest scholarship fund at the faculty of medicine and dentistry at Tel Aviv University.



The Mijiritsky family



THE ZENZIPER SCHOLARSHIP



Menachem Zenziper writes about his mother – Zaida Zenziper and the background for the scholarships that she bequeathed, in her last will, for dental students in the Dental School – Tel Aviv University.

Zaida was born on 1918, the first daughter to her parents – Mina and Menachem Kenigsberg – in Dwinsk, Latvia. When she was only a year and a half old, her father died from tuberculosis and the family burden was imposed on the shoulders of her mother, who was a dentist.

At the age of 18, just when she graduated from high school, a young man (36), handsome and energetic, Zvi Zenziper, came to visit her mother, Mina. The guest met Mina's daughter – Zaida, fell in love and within a week the young lovers decided to connect their lives together and got married. Zvi Zenziper immigrated to Israel where he developed an overseas trade company in the grain business. Mina, my grandmother, who came to Israel to visit her daughter, returned to Latvia with the intention get organized and join the married couple for good. However the tumultuous events in Europe followed by the outbreak of the World War II prevented her from leaving and she was murdered by the Germans.

At the young age of twenty years, my mother, Zaida, found herself in the Eye of the Storm: Hasty immigration to Israel that was involved with settling in a new homeland, difficult acclimatization to the new surroundings, taking care of the elderly parents of her husband, whom she adopted as a natural behavior, a new born child, Eliora, and all the events surrounding World War II. It is not surprising that as a result of any of these

circumstances an ample opportunity for her academic studies at that stage of life was not created.

When the faculty of Biology of the Jerusalem Hebrew University opened a branch in Abu-Kabir, Tel-Aviv, Zaida enrolled and joined that track of studies immediately. She graduated with a degree in Biology as well as an academic teaching certificate. She soon found her place in the Lewinski Seminar – the Institute where she worked until her retirement.

A casual acquaintance with Professor Alexander Barash, who turned to her for help for professional literature translating from Russian (and English) into Hebrew, created a strong cooperation lasting decades of studying, research, defining, writing and publishing papers. The jewel in the crown of that cooperation was the book on "Mediterranean Molluscs of Israel", published (1991) by the Society for the Protection of Nature in Israel led by the late Azariya Alon. This publication fulfilled the hearts of the two scientists with plenty of happiness.

Zaida Zenziper loved people. Memories from my childhood are that toward weekends my mother used to take me, to the homes of elderly relatives. She used to arrange their homes, helping them to change the sheets, bringing them food cooked especially for them and all that was necessary for the purpose that their Saturday would be remembered by them as a good time. My mother used to host the whole



family, as a regular invitation, every Friday night, until her last weeks. She revealed her love for all those who surrounded her, always knew to give and was willing to give to others but never asked for anything for herself. My father, Zvi Zenziper always behaved much younger than his age. He was very energetic and enthusiastic, yet serious and self-independent in all activities. He passed away at the age of 103, when up to that point he used to reach his office every morning.

He was acknowledged in the Guinness Book of Records, at the age of 102, as a person who had worked 75 consecutive years on the same job.

In conclusion, the virtue of giving was a central personality characterization of my mother, Zaida Zenziper. She enjoyed every act of giving and the joy and happiness of the recipients caused her satisfaction. As Eran Zenziper, her grandson, continued her mother's profession, studying dentistry, we were not surprised to learn that in her last will she set up a scholarship fund for Dental students, in order to ease their studies. This year the scholarship was awarded to Victoria Glinkin and we, the family, have no doubt that if our mother was alive she would be most happy with the choice.

Dear Zenziper family,

I would like to thank you from the bottom of my heart for the generous grant and the moving ceremony. I was very excited to meet you and hear about the late Zaida. I was greatly impressed and inspired by what you told me about her. Your stories depicted a person who is a role model, a good-hearted and educated woman, who all her life cared about those around her, with all her heart and without expecting a reward. Such people are hard to find, and therefore will always leave their mark on those who cross their path.

Thank you for choosing me for the grant. The importance of the grant to me is beyond description, especially in this period of exams that sum up my studies. In fact, the grant allowed me to focus all my efforts and time on studying for the exams, and to be less worried about losing days of work.

I am convinced that without a family such as you I would not have been able to succeed in such lengthy studies and maintain a level of marks that are not below those of my classmates, in spite of the fact that I dedicate many hours a week to work. Helping students by giving grants is extremely important, for they help those whose starting condition are less favorable to succeed and make progress, while using all their potential and personal ability, in spite of the economic limitations and, indeed, thus help to create a more equal society.

I hope that in the future I will also be able to assist those who cannot help themselves, just as you do.

Many thanks for your help,

Victoria Glinkin

6 year student



CEREMONIES

NEWS AND UPDATES IN MODERN DENTISTRY FORUM

The annual Maurice and Gabriela Golschleger Research Forum took place on 13/12/13 at the Tel Aviv University, School of Dental Medicine auditorium counting with a large audience. The topic was "News and Updates in Modern Dentistry" and was organized and coordinated by Prof. Carlos Nemcovsky, Head of the Continuing Education Committee.

Dr. Dov Sidney awarded the Student Award of the International College of Dentists to Assaf Erez.

The Yocheved and Dr. Daniel Sarnat award and the Merdinger award recipients for outstanding DMD theses were: Dr. Asaf Shely, Dr. Hilla Bohbot and Dr. Diva Lugassy.

Dr. Shira Zary presented the award for excellent research work on Dental Materials to Dr. Noga Harel.

The academic part of the forum was extremely interesting and with high level lectures representing. An overview of the research work currently performed at the School. The lecturers were: Prof. Miron Weinreb (Department of Oral Biology), Dr. Ephraim Winocur (Department of Oral Rehabilitation), Dr. Anda Kfir (Department of Endodontology), Dr. Ayelt Zlotogorsky (Department of Oral Pathology and Oral Medicine), Dr. Alon Shavaon (Department of Periodontology, and Dental Implantology) and Prof. Gavriel Chaushu (Department of Oral and Maxillofacial Surgery).

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THE FUTURE
IS NOW

THE WHITE COAT CEREMONY

The last year's white coat ceremony took place at the Lola auditorium at the Sackler School of Medicine.

The "White Coat" ceremony is a symbolic ritual for fourth year dental students when they make that big step toward the sought-after goal of treating patients.

For the first time the "White Coat" ceremony was joined with the ceremony of receiving the BSc degree in Medical Sciences for graduates of the first three (pre clinical) years.

For the ceremony we had the honor to host the Dean of the Medical Faculty, Professor Joseph M. Mekori, Dr. Shahar Blachash, Head of the Tel-Aviv Alph Omega Chapter and the students' families .

To our students the ceremony symbolizes not only a first and exciting step of their career but also a day when we are all reminded that with great knowledge comes great responsibilities. The ceremony was followed by a lecture on the importance of body language by Tzvi Yoge, a lecturer and a writer, who explained how important it is to be aware of the person whom one is going to treat and to adapt the treatment to the person and not only to the medical needs of the patient.

S. Shastovits, the representative of Colgate Co. in Israel, took the sponsorship of the event and supplied each student with identity cards as well as a kit of oral hygiene products.

CEREMONIES



Students at the white coat ceremony



Students at the final graduation ceremony





FIRST AND SECOND YEAR DENTAL STUDENTS FACING "REAL" DENTAL EXPERIENCE

Until recently, dental students took their first courses in dentistry *per se* only at the end of the third year, thus lacking any intermingling neither with neither the teachers from the dental school nor senior dental students.

Two years ago, we took the initiative of starting three new courses for the 1st and 2nd year dental students, aimed to introduce them into the "real" world of dentistry, on the theoretical, clinical and manual levels.

The highlight of the "Introductory course in dentistry" for the 1st year is the students participation in the clinics of their 5th and 6th year colleagues. Not only that the "young" students feel being a part an the actual clinical work, but the "experienced" 5th-

6th year students enjoy being responsible instructors even for a short time. At least until a real instructor comes to score their amalgam filling.....

Another course is that of "Manual dexterity", during which junior students become familiarized with various materials and tools as well as working methods used in the daily dental clinics. Students are assigned with different missions that are analogous to real dental procedures.

The "Introductory course in dentistry" for the 2nd year students expands the basic terminology that the students accumulated during the 1st year and enables them to have a more in-depth understanding of all aspects





of dentistry. The final assignment consists of an oral presentation of one of the subjects discussed during the lectures. The level of the material presented by students were unexpectedly high. This shows how eager one of the students to be involved in the professional life even in the first phases of their studies.

There is no doubt that the new courses will contribute to a better training of the students, increase their curiosity and motivation, and will further rise the teaching level in our school!



1st and 6th year dental students working together



Students celebrating at the end of the course





AO PRESIDENTIAL VISIT

During July 2013 our dear and deeply appreciated AO International President, Dr. Marcy Swartzman and her husband Larry Vinegar visited our School. Although suffering from a broken leg and walking with the aid of crutches Marcy toured the School with her usual energy and enthusiasm. She met with faculty and students and paid a special attention to the progress in the construction of the new Rothstein-Willamowsky clinics. Marcy and Larry's support was, as always, heartwarming!



VISITORS



Our international guests touring the new Rosthstein-Williamowsky Clinics (under construction)





VISITORS



Members of TAU Board of Governors meeting senior faculty members



from L to R: Steve Kess, Dr. S Matalon, Prof. I Eli, Dr. Allan Finkelstein



from L to R: Prof. Ilana Eli, Dr. Yohan Thomas from SA & Dr. Adar Mann

Tel Aviv University
Rappaport Faculty of Medicine
Dept. of Cell & Developmental Biology

NOTE THE TIME CHANGE
Please join us in welcoming
Aaron Ciechanover, MD PhD
Nobel Laureate in Chemistry 2004
Rappaport Faculty of Medicine & Research Institute
Technion-Israel Institute of Technology

Intracellular Proteolysis and the Ubiquitin System – From the Backyard to the Forefront of Biomedicine

Sunday, March 10th 16:00
The Maurice & Gabriela Goldschleger School of Dental Medicine, Room 254

Refreshments by **GETTER and RENIUM** at 15:40
How Yaelit Elkabetz (yaelit@tau.ac.il)
Liora Landman (lidor@getr.tau.ac.il)



Prof. Ilana Eli & Prof. Aronita Rozenblat from Pernambuco, Brazil



From L to R: Prof. Harold Prieskel, Prof. Ilana Eli, Mrs. Frances Himelfarb, Mrs. Daphne Himelfarb & Mr. Stuart Himelfarb

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GRADUATE ENDODONTIC ALUMNI ORGANIZATION

This year, the Department of Endodontontology has established its Endodontic Alumni Organization.

The idea of an alumni association is a common concept, especially in Western countries, which goal is to maintain contact amongst the alumni and between them and their "alma mater" organization.

In the Endodontic alumni organization the activity is based on 3-4 meetings during the year, providing the opportunity for social gathering as well as for discussions of current professional issues, technological innovations, clarification of professional dilemmas and sharing of interesting clinical cases.

The organization has its own fund, with each of its members contributing a modest annual donation. The fund is used for the acquisition of equipment and supplies that would enhance the Endodontic post graduate program's teaching and research efforts.

This year the alumni organization held three such meetings that were a great success both professionally and socially.





THE DEPARTMENT OF ORTHODONTICS MEETS COLLEAGUES IN THESSALONIKI

During last October, a delegation from the Department of Orthodontics was invited to participate at the European Orthodontic Society Distinguished Teacher's Lecture held at Thessaloniki, Greece. Over 30 people participated, including the Head of School, Prof. Ilana Eli, Head of Department, Prof

Vardimon, Head-elect of the Department, Dr. Nir Shpack, senior faculty members, residents from the international postgraduate course in orthodontics and their spouses. The delegation was hosted at the Aristotle University of Thessaloniki by Prof. Moschos A. Papadopoulos, Head of the Department of



Prof. Shapira dancing Sirtaki with the Greek hosts



Prof. Vardimon and his wife Lilly on the dancing floor



Orthodontics, his staff and residents. Mutual discussions led to a decision to tighten the ties between the two Schools, especially with regard to Orthodontics. A delegation from the Aristotle University is planned to arrive to Tel Aviv in July 2014 .

The warm reception by our Greek colleagues was extraordinary! Beside the professional aspect we learned a lot about the Greek history and culture. The meeting adjourned with hot dances of Greek sirtaki and Israeli hora!



TOULOUSE ALPHA OMEGA CHAPTER DONATION TO OUR SCHOOL

On August 13, Dr. Michel Knafo from the Toulouse Alpha Omega Chapter, visited our school and gave the TAUSDM a generous donation from his Chapter.

In the photo: Dr. Michel Knafo (left) giving the donation to Prof. Benny Peretz, Head of the international relations committee, and the Head of the Department of Pediatric Dentistry.





THE FIRST BILATERAL ITALIAN-ISRAELI DENTAL IMPLANT CONGRESS



Dr. Eitan Mijiritsky has a great affinity with the land of Italy as he had spent 6 years there as a child when his father studied medicine there. For many years he had close friendly and professional relations with Italian colleagues, including at academic institutions, who on many occasions expressed their wish to visit Israel. Over a year ago Dr. Mijiritsky submitted an official request to the Italian Foreign Ministry in Tel Aviv to support the first conference ever between Israeli dentists and their Italian colleagues: "The First Bilateral Italian-Israeli Dental Implant Congress." He was delighted to receive a positive reply from the Italian Ministry of Foreign Affairs, which at his request agreed to support and subsidize most of the conference costs, including the flights and stay in Israel of 10 senior Italian lecturers. Dr. Mijiritsky engaged Prof. Adriano Piattelli, one of the most distinguished personalities in Italy and the world on the subject of clinical and basic research in the line of dental implants, to help him in this task. Prof. Piattelli gathered around him nine distinguished lecturers, among the most prominent in the line of implants in Italy. The subject chosen was that of dental implants, as Italy and Israel are the leaders in Europe

from the point of view of implants in relation to the population. Thus the exchange of information and creation of joint research opportunities in this line are understandable and desirable.

After months of extensive preparation, logistics and scientific organization, the conference took place at the Leonardo City Tower in Ramat Gan. 200 dentists took part. The Italian Ambassador in Israel opened the conference and, *inter alia*, Dr. Haim Neuman, the representative of the Israeli Dental Association said a few warm words. During two days, 10 Italian and five Israeli lecturers, among them four faculty members of our Dental School delivered their lectures. Prof. David Kohavi presented advanced research on the subject of moisturizing the area of implants and protein adsorption and Prof. Ofer Mozes presented amazing research on the subject of research of bone regeneration of diabetic animals. Prof. Gabi Chaushu presented treatment systems and clinical tips for the treatment of atrophic alveolar ridges on the upper jaw and bone implantation in the sinus cavity.

The conference also was a platform for creating personal relations between Italian and Israeli colleagues and provided significant opportunities for joint research among the researchers of both countries.

At the end of the conference it was announced that a second Italian-Israeli friendship conference will be held in Naples Italy, in November 2014, and that in 2015 the conference will once again be held in Israel.



COLLABORATION BETWEEN THE ORAL MEDICINE CLINICS AND CLALIT SMILE

The School of Dentistry resumed its undergraduate DMD program in full capacity about three years ago, and now it is the turn of the postgraduates' clinics to catch up as well. One of the major achievements of the last few months is a collaboration agreement with Clalit Smile, Israel's largest and leading dental network, founded by Clalit, the country's largest national HMO. This move will inevitably add a vast variety of medically compromised individuals to the registry of our oral medicine clinics, among them oncological patients and patients with chronic diseases (such as diabetes mellitus, neurodegenerative diseases, post-transplantation, and others). These patients will be provided the highest standards of dental treatment with the ultimate aim of improving their quality of life. Some of the medically compromised patients are on multiple drug protocols, and may therefore present other problems and unwanted side effects, such as dry mouth, burning mouth and orofacial pain. Specialized oral medicine

clinics are able to diagnose and treat these and other similar drug-related sequela. Medically compromised patients may also present lesions of the oral soft tissues as a manifestation of their underlying systemic condition. Again, our clinics can provide the proper therapeutic response to these kinds of lesions since we also operate a clinic dedicated to lesions and diseases of the oral mucosa, including the diagnosis of pre-malignant lesions and oral cancer. Lesions of the jaw bones can be diagnosed by oral medicine specialists with special training in oral radiology. Finally, we recently initiated treatment under sedation for patients coming from a variety of medical backgrounds that preclude dental care under ordinary conditions. It is expected that we will soon become one of the leading clinics in the field of oral medicine in the Tel-Aviv area thus not only closing the gap created by past threats to close our school, but witnessing its entrance into an era of prosperity and progress!





THE FUTURE IS NOW

THERE IS NO SUCH THING AS A SIMPLE SMILE - THE CAMPAIGN FOR THE ROTHSTEIN-WILLIAMOWSKY POSTGRADUATE CLINICS **AT TAU CONTINUES**

there's no
such thing as a
simple
smile

We asked you to join us, and you're doing just that - from across America and around the globe. Our ambitious campaign to raise \$2.7 million to create the Rothstein-Williamowsky Post-Graduate Clinics at Tel-Aviv University's Maurice and Gabriela Goldschleger School of Dental Medicine is well underway.

Many leaders within the Alpha Omega family have long stood as pillars of our community, embodying the ideals of goodness and righteousness. AO chapters across the country are honoring their outstanding and inspiring service by recognizing them as Pillars of the Community. In the honor of these leaders actual pillars will be located at the entrance to the School indicating those who have contributed to the dental profession worldwide. To date, these outstanding leaders and chapters are already funding pillars in their honor: Dr. Allen Finkelstein, Dr. Rada Sumareva and Mr. George Wolfe from New York, NY; Dr. Lionell Greenberg from Los Angeles, CA; Dr. Fred Margolis and Dr. Laurie Gordon-Shaw

from Chicago, IL; Dr. Edwin Rosenberg from Philadelphia, PA and the Washington Alpha Omega Chapter from Washington DC .

Significant contributions have also been raised by prominent dental communities in the world such as AO Chapters in France, London, Philadelphia, NYC, Los Angeles, Toronto, Montreal. Major gifts have been pledged by The Charlestein Foundation (Premier Co.), Dr. Walter D. Cohen, Barry Friedberg (in honor of his late father) the Henry Schein Inc., and the Midmark Co.

In community after incommunity, supporters are joining professionals and industry leaders with one objective – to help transform lives and elevate dental training and practice in Israel. Successful fundraising events have already fulfilled their local goals, and many more events are in the active planning stage. With the exceptional generosity of all these individuals and organizations we succeeded to complete the construction of the 2nd Floor, Advanced Dental Care Clinic. This fresh,



modern facility of tomorrow is becoming a reality these very days. Hopefully the 1st floor Special Care Clinic will follow soon after.

Let's keep the momentum building! As we near the midpoint in this important and meaningful initiative to build a 21st century treatment and training center. Together, we can provide treatment for Israelis who have had no access to care, and bring Tel-Aviv University's School of Dental Medicine to an elevated standard of excellence.

Your dedication, compassion, and generosity are making this important dream a come true.

THE FUTURE IS NOW



To celebrate the success of the first phase of our campaign and the opening of the Advanced Dental Care Clinic we will hold two ceremonies during the coming year: at the annual meeting of the TAU Board of Governors, in May 2014, and during the coming AO Annual Convention in Israel, in December 2014. Please make plans to attend!

MEETING FRIENDS AND SUPPORTERS AROUND THE WORLD





THE FUTURE IS NOW

THE NEW ROTHSTEIN-WILLIAMOWSKY CLINICS ARE BECOMING A REALITY

ADVANCED DENTAL CARE CLINIC- WORKS COMPLETED!

The construction of the Advanced Adult Dental Care clinic on the second floor of the Rothstein-Williamowsky Postgraduate Clinics has finally been completed. Months of meticulous planning and construction have come to an end. Nothing stayed the same. The entire floor was demolished and rebuilt from scratch. Installing new plumbing and electricity wires was followed by a complete new outline of areas and treatment rooms. 16 modern dental treatment rooms, 3 assistants' stations, spacious patient and faculty lounges, a beautiful garden patio and a technical minilab comprise this outstanding facility. Several of the areas have already been pledged by our friends around the world. Such are the Advanced Restorative Treatment ward (3 treatment rooms) pledged by the London Charitable Trust; the Patient Lounge pledged by the Charlestein foundation from Premier Co.; the Garden Patio pledged by Allen Finkelstein; the Faculty Lounge pledged by Oral B, Israel; a Dental Treatment room pledged by the Toronto AO Chapter; a Dental Assistant station pledged by Dr. Stanly Scherr and others.

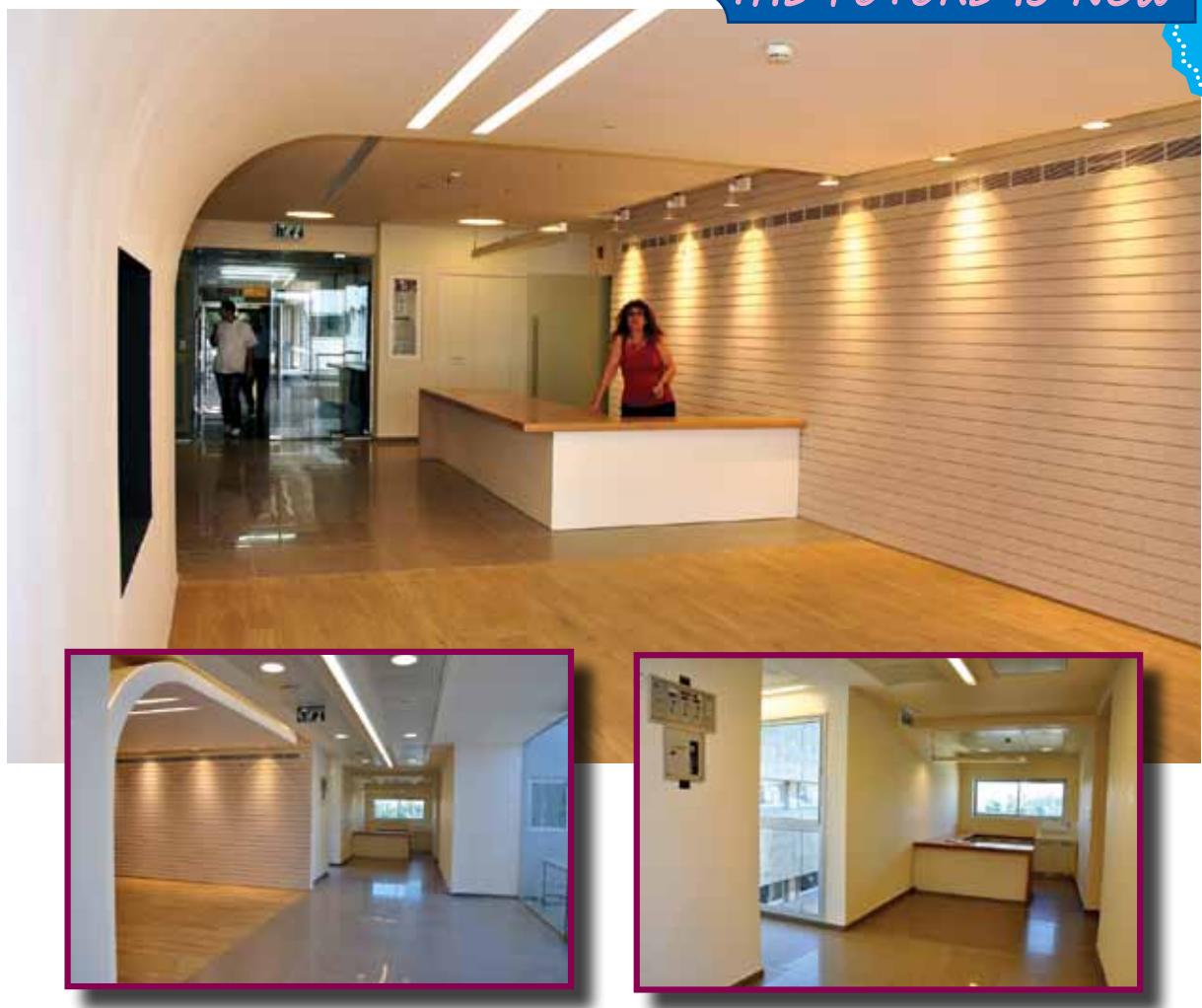
The clinic is soon going to be occupied by residents in Prosthodontics, Periodontology and Endodontology and dedicated to the treatment of the most complicated cases, such that cannot be treated by the general dentist. The best of the young dentists in Israel will supply high level treatment to needy patients from all around the country. In order to allow the best conditions to our dentists, all dental treatment rooms are going to be equipped

with new up-to-date equipment, acquired especially for this purpose. 5 modern dental microscopes will allow the endodontists – to be to sharpen their skills under optimal conditions.

Having almost finalized the first phase, we are turning toward our next challenge - completing the Special Care Clinic on the first floor of the Rothstein-Williamowsky clinics. This is a most needed center, especially designated for children and patients with special needs. Plans are already being laid out, and we are waiting to obtain the necessary funds in order to complete this ambitious project. We already have the support of Dr. Marc Taff, Dr. David and Sondra Mack and dentists from the RADA organization in the States. Any additional help will be deeply appreciated by those most in need of such a center, those who cannot do it on their own. Let's help them together!



THE FUTURE IS NOW





THE FUTURE IS NOW

THE BATTLE OVER THE NEW WAGE AGREEMENT – SUMMER 2013

After a long and difficult (nevertheless friendly) negotiation a new agreement was signed between the University's administration and the "dentists' representation" at our Dental School.

The new agreement presents many advantages for our faculty.

1. For the first time, the dentists' representation was been acknowledged as the official representation of the teachers working at the Dental School.
2. The young teachers wages increased significantly.
3. The teachers are entitled for a 12 month wage payment per year (unlike the former agreement that entitled them for only a 9 month wage plan per year).
4. All salary components are to be calculated for pension plans.
5. The retirement age has been raised to 68.
6. Teachers at partial positions are entitled for training and pension plans.
7. Teachers at partial positions can be promoted academically.

8. Payroll tables of the dental teachers will be index linked to the payroll wages of the Senior Academic Faculty at Tel-Aviv University.

The dentists representation thanks all those who assisted them in this long battle: The Dental School faculty teachers, the School's administrative staff, dental students, and the Tel Aviv University Students Body, the Senior Academic Faculty Committee led by Prof. Munitz and Prof. Weiz and the Heads of School Profs. Haim Tal and Ilana Eli.

I would like to personally thank all the representation members who stood strong against all attempts to shut the School down, which we had fiercely and undividedly prevented.

With my retirement from the representation and from the School, I wish all my colleagues at the representation luck in their role of supporting our faculty members in future contacts with the University administration and the School much success, prosperity and flourishing!

Prof. Ariel Ben-Amar
Chairman of the Dentists'
Representation 2004-2013;
Treasurer of the Dentists'
Representation 1978-2012



Signing the agreement



1ST PRIZE WINNER IN THE EUROPEAN BASIC SCIENCE RESEARCH COMPETITION

Professor Ofer Moses from the Department of Periodontology and Dental Implantology received the prestigious European prize for basic science research in Osseointegration and Dental Implantology. This important event took place at the 2013 Annual meeting of the European Association of Osseointegration (EAO) held in October in Dublin, Ireland. This study was selected among a large number of candidates from all over the world, nine of

whom has reached the final stage . The prize was jointly awarded to Prof. Moses and his collaborators: Dr. Meizi Eliezer, Prof. Haim Tal, Prof. Carlos Nemcovsky and Prof. Miron Weinreb from TAUSDM for their excellent work: "Excessive Degradation of collagen membranes in diabetic rats is associated with increased infiltration of macrophages and capillaries".



Prof. Pascal Valentini, president of the EAO (on the podium), announces Ofer Moses as recipient of the prize. On the stage: Prof Moses among the other competitors.



PRAISES - KOL HAKAVOD!

APPOINTMENTS AND PROMOTIONS



Dr. Shlomo Matalon

was promoted to the rank of Senior Lecturer in Restorative Dentistry.



Dr. Ephraim Winocur

was promoted to the rank of Senior Lecturer in Orofacial Pain



Dr. Noam Yarom

was promoted to the rank of Senior Lecturer in Oral Medicine



Dr. Anda Kfir

was promoted to the rank of Senior Lecturer in Endodontontology.



Dr. Israel Lewinstein

was promoted to the rank of Clinical Associate Professor in Oral Rehabilitation.



Dr. Nir Shpack

was elected as the new Head of Department of Orthodontics, starting January 1st, 2014

Excellence awards for PhD and MSc students were awarded to **Dr. Tatiana Sella Tunis** (PhD student) and **Dr. Hadas Dorchin-Ashkenazi** (MSc student).



RETIREES



Prof. Ariel Ben-Amar



Prof. Meir Gorsky



Prof. Israel Kaffe

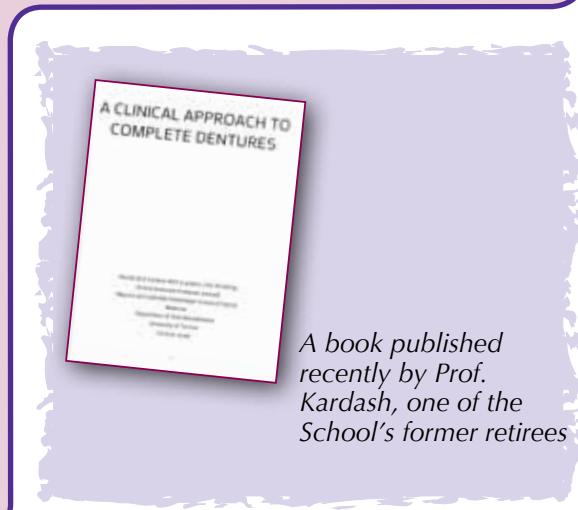
It has been another year of "changing of the guards" in the School. More staff members from the "founders' generation", Prof. Israel Kaffe and Prof. Meir Gorsky and Prof. Ariel Ben Amar retired in September. Professors Kaffe, Gorsky and Ben-Amar made invaluable contributions our School for over three decades. We wish them good health and continued productivity in all their future endeavors - "till 120"!

During the Passover celebration we distributed certificates to three outstanding workers for their admirable job. Selected employees for this year were:

Dorit Cazaes
Dental assistant

Avi Meiowitz
Dental Lab supervisor

Yarden Mazor Ms.c
Laboratory technician



MY PHOTO EXHIBITION IN TBILISI, GEORGIA

PROF. BENNY PERETZ

On October 12 my photographs were exhibited in a special exhibition in Tbilisi, Georgia. The exhibition was entitled "SCRIPTA MANENT" (from a sentence in Latin VERBA VOLANT, SCRIPTA MANENT which stands for: "spoken words fly away, written words remain"). Twenty photos were presented, mostly in black-and-white, describing people reading, a few photos of books were in color. The exhibition took place during the 7th Tbilisova Continuing Education Congress organized by Prof. Vladimer Margvelashvili at the Tbilisi State University. The exhibition attracted a lot of attention, faculty members, students and passers-by stopped to look at the photos. I was interviewed by the Georgian national television about the title of the exhibition, as well as about the photos.

"The world we live in is so powerfully permeated by writing that it can be hard for us to appreciate that the invention of writing was a tremendous change in the history of human culture, which had flourished for thousands upon thousands of years without written records of the miracle of human speech.

Though it was recorded almost two millennia ago, the saying VERBA VOLANT SCRIPTA MANENT echoes a surprising fact that lurks in today's digital revolution. An ever-growing media palette has failed to dislodge the centrality of the written word from our lives. We talk endlessly about computer technology and electronic readers, but the conversation orbits around the stuff of the text.

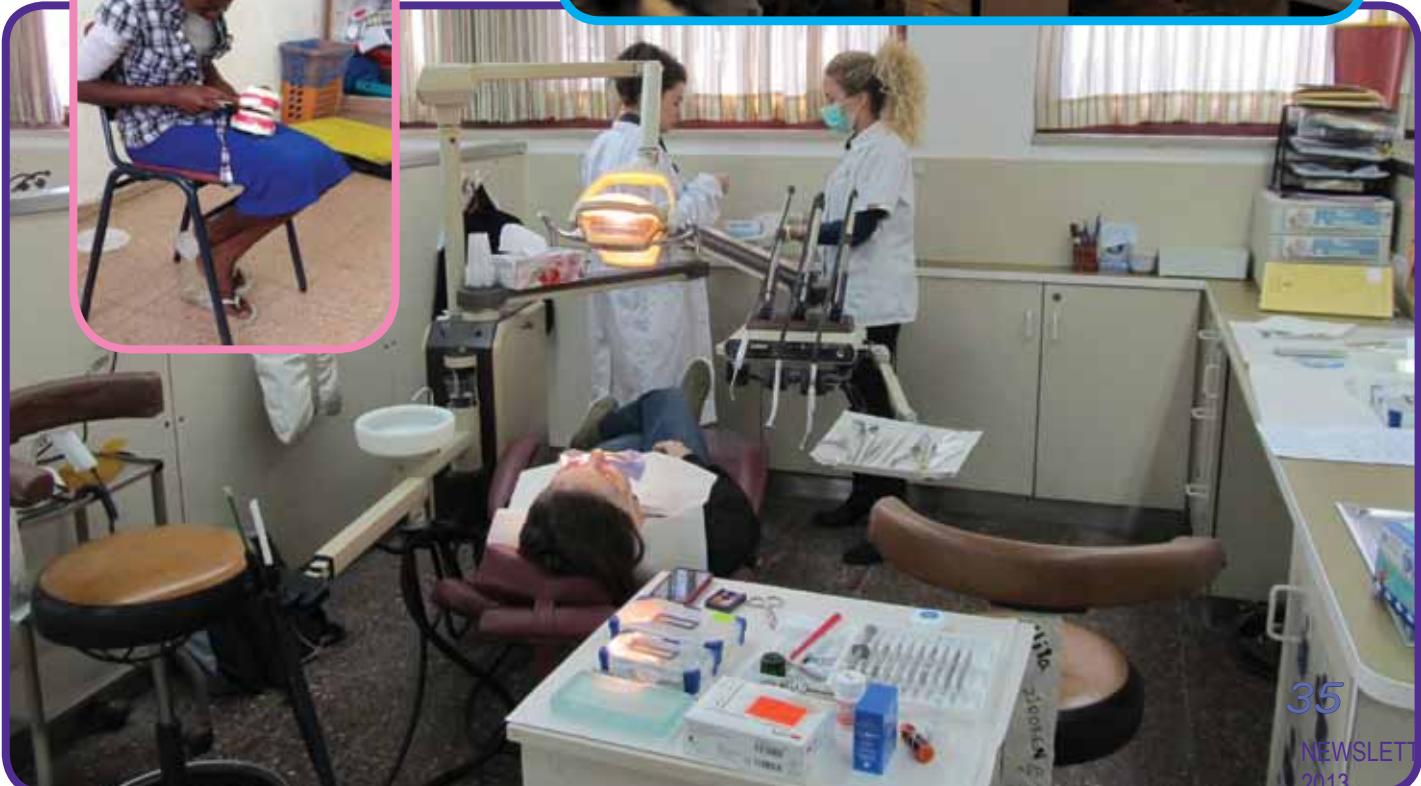
In fact, the written word doesn't just remain; it is flourishing at the boundaries of the digital revolution. The explosion of e-mail traffic on the Internet represents the largest boom in letter writing since the 18th century".



FINALE



A DAY AT THE SCHOOL





FINALE

FEW FINAL WORDS

Many excellent things are happening around us these very days. Our beloved Dental School is constantly developing and this development can be seen in its every corner. With the first part of the Rothstein-Willamowsky postgraduate clinics almost finished, our residents in Prosthodontics, Periodontics and Endodontology are finally getting their own proper "home". With new directors in most of the School's

Departments, new programs and ideas are coming out every day. With young faculty members joining our staff, new teaching and research ideas are being developed in all areas. Finally our School is on its track again!

Unfortunately, cold winds are blowing these days at our sister School in Jerusalem. From Tel Aviv we are sending our fraters in Jerusalem our full support!

