

MESSAGE FROM THE HEAD OF SCHOOL



As you are all surely aware of, after years of a financial crisis, the School of Dental Medicine at Tel Aviv University reopened, is admitting new students and has entered a new period of massive renovations of both its academic aspects

and its physical infrastructure.

As part of a 5 year development plan we plan to completely renovate our post-graduate clinics which have been constructed in the late 70ies of the 20th century and have not been seriously refurbished since. The plan is to dedicate the ongoing Future is Now campaign to the name of our dear friends and supporters, Ben Williamowsky and the late Ralph Rothstein. The purpose is to collect enough funds so the new postgraduate clinics are named the Rothstein-Williamowsky Postgraduate Clinics, to honor the life-long commitment and efforts of these two wonderful friends on behalf of our School. In order to push the campaign forward we proposed to form an international committee, co-chaired by Marc Rothman and Steve Kess, which will include members from the various international branches of AO. Co-chaired by Marc and Steve the committee will form a plan and help the campaign to collect the necessary funds among AO fraters worldwide, industry and other possible benefactors. We have a specific time framework during which the renovation should rather take place (before the big classes of students admitted these days arrive to the clinics) so there is a lot of work ahead of all of us.

Meanwhile, the Gerald and Reesa Niznick Faculty Clinic have been finally fully equipped with modern dental chairs and units and the

activity there is constantly developing. Within the Clinic is located the new Bernie Rothman Oral and Maxillofacial Surgical Suite which is supplying a top level surgical care to patients from throughout the Tel Aviv area and beyond. More about the dedication ceremony of the surgical suite can be found in page 4 of the Newsletter. The interest in our Dental School is constantly growing. As soon as it became known that the School has reopened for admission, numerous potential applicants are knocking on our doors (see information about an open day even on page 5) . Out of almost 500 candidates - 52 new undergraduate students have been chosen. It is our belief that beside high cognitive and manual abilities it is important that future dentists are also high in communication and humane skills. Therefore admission relies not only on cognitive abilities scores but also on observing the candidates during in vivo interactions with simulated patients and on one to one personal interviews. This way we attempt to assure that only the best and the most adequate will fill our corridors in the years to come, students that will become the leaders of the dental profession in Israel in the years to come.

In order to assure that our students acquire not only the highest professional skills but also form a close community among themselves and with their teachers a new Student-Faculty Lounge has been built at the School's premises. Defined as mutual student-faculty project, the place was renovated personally by students and faculty and is serving as a place to meet, relax and discuss issues of mutual interest. More about the project see on page 20

Lots is to be done and it will not be achieved in one day. Rabbi Tarfon said: "The day is short, the task is great... It is not incumbent upon you to finish the task. Yet, you are not free to desist from it". We have started our climb toward excellence and will not stop until we reach the top!

SHALOM HAVER

(FAREWELL FRIEND..)



In the last year both Alpha Omega and the School of Dental Medicine at Tel Aviv University have suffered a painful blow: a devoted Alpha Omegan and a close and dear friend, Ralph Rothstein, passed away. Ralph was a great friend and supporter of our School. He has been here when the School was established, supported its development throughout the years, passionately involved in funds collection around the world and personally devoting personal funds to establish the Bette and Ralph Rothstein Fund for Research. He served as a distinguished member of the Board of Governors of Tel Aviv University and fiercely and relentlessly fought the University administration during the painful years when shutting down of the School was raised as an option. There was no happier man than Ralph when he heard the crisis was resolved and that the School is officially going to re-open for admission of new dental students. He was bursting with new ideas and plans and even in his last days kept planning how to "push forward" his beloved School of Dental Medicine in Tel Aviv. He is painfully missed by all of us. He was a warm Jew, a great man and a wonderful friend. There are no righter words to express our loss than the words by Bill Clinton commemorating Itzhak Rabin : "Shalom Haver" (goodbye Friend)....

VISIT BY THE PRESIDENT OF **ALPHA OMEGA** **INTERNATIONAL**

In June 12 Michael Tenenbaum, the International AO President, and his wife Marlene, visited Israel.

The Tenenbaums toured Israel and visited the School of Dental Medicine in Tel Aviv. They received an in-depth briefing from the Head of the School, Prof. Ilana Eli, and met the school's staff and students. The couple were happy to hear that the number of applicants for the first study year has increased significantly, and discussed ways in which the fraternity may help to bolster the base of the school.

The President visited the students' clinics, the post graduate clinics and shared his views with the staff and patients. He was deeply impressed by the new clinic donated by the Rothman family, inaugurated a month before his visit. Michael promised to do everything possible

to bring Alpha Omega fraters in Israel and the world closer together, for that is the true vision of the international Alpha Omega fraternity.



from left to right: Mr. Haim Naor, Dr. David Ash, Ms. Michal Egor, Prof. Ilana Eli, Ms. Marlene Tenenbaum, Dr. Michael Tenenbaum, Ms. Ann Algiser, Mr. Alon Marcovitz, Prof. Tamar Brosh.



Dr. David Ash, the Tenenbaums and Prof. Ilana Eli at the school's entrance

THE BERNIE ROTHMAN ORAL AND MAXILLOFACIAL SURGICAL SUITE



In May, during the annual meeting of the TAU Board of Governors, a new Oral and Maxillofacial Surgical Suite was dedicated in the name of Dr. Bernie Rothman. The new clinic, featuring the latest technologies in

dentistry, already provides top quality care to many who could not otherwise afford dental treatment in Tel Aviv.

Bernie was born in New York City in 1938 and graduated as a dentist from the New York University's School of Dentistry. After dental school, Bernie decided to train in Oral Surgery at the Harlem Hospital and Columbia Presbyterian Hospital in New York City.

During his years in practice, Bernie served as assistant professor in Oral & Maxillofacial

surgery at Temple University Dental School, teaching both dental students and post graduate residents. He also served on the teaching staff the University of Pennsylvania School of Dental Medicine and served for over 20 years as Chairman of the Division of Oral & Maxillofacial Surgery at the Albert Einstein Medical Center in Philadelphia.

Bernie's Jewish communal activities included many years of active service to the Alpha Omega International Dental Fraternity as a local chapter president, an international officer, and treasurer of the United States Alpha Omega Foundation. He also did substantial work with HIAS and Council, as a board member, and as a member of his board at the Beth Zion Beth Israel Synagogue.

Explaining that his father "never said no to a person in pain, even when that person couldn't pay," Bernie's son, Dr. Marc Rothman, dedicated the center to honor his father's long career of "kindness, compassion and generosity."



from left to right: Prof. Yoseph A. Mekori, Mr. Jonatan Rothman, Mrs. Reesa Niznick, Dr. Gerald Niznick, Prof. Ilana Eli, Dr. Bernard Rothman, Dr. Marc Rothman, Mrs. Rothman, Dr. Ben Williamowsky.

On the 11 February 2011 an open day event was held for all those students interested in studying dentistry for the coming year.

The Maurice & Gabriela Goldschleger School of Dental Medicine participated in this event for the first time in 5 years, after the School was formally reopened for admission of undergraduate students in the coming years.

This event attracted hundreds of potential candidates who were greeted by the secretary of the student body, Mrs. Ora Milerstein, and a representative from Students Admissions Council who supplied information brochures specially printed for this day.

A formal gathering of interested candidates was held in the main

lecture hall. The academic syllabus of Dental studies and research was presented and followed by a number of short presentations by Professor Ilana Eli (Head of Dental School), Professor Raphael Pilo (Chairman of the Curriculum Committee), Professor Miron Weinreb (Chairman of the Research Committee & Director of Laboratories), Professor Benjamin Peretz (Chairman of Student Admission Committee) and Dr Ephraim Winocur (Chairman of the Teachers Committee for Dental Students Affairs). In addition, a 6th year student, Ms. Ann Algiser, and Dr Sandra Treves (orthodontic resident student) made short presentations regarding the academic programmes of the Dental School.

The day was completed by a guided tour of the Dental School presenting clinical work stations and research laboratories.



RESEARCH AT THE GOLDSCHLEGER SCHOOL OF DENTAL MEDICINE

Some mysteries of periodontal treatment with Enamel Matrix Proteins have been unfolded

In modern periodontology, several protocols have been developed to stimulate the regeneration of lost periodontium, using flap surgery and guided tissue regeneration (GTR) with or without bone grafting. Most treatments rely on osteoconduction (guidance of host osteoprogenitor cells into the periodontal defects for the production of new bone tissue and subsequently cementum and PDL), but the only true biomimetic treatment that is currently available is the application of enamel matrix proteins (EMPs) onto the afflicted roots. The only available preparation of EMPs is EMD (enamel matrix derivative) in the form of Emdogain® (Straumann, Basel, Switzerland), in which EMPs are extracted from developing porcine tooth germ enamel and it used heavily in regenerative periodontal surgery.

However, EMD actually consists of a mixture of dozens enamel matrix proteins and their derivatives. To-date, it is not known which of these is responsible for the beneficial clinical outcome of using Emdogain nor through what molecular mechanisms EMD stimulates new bone and cementum production.

Several clinical studies also suggested that the application of EMD onto root surfaces during periodontal therapy has beneficial effects on



Prof. Miron Weinreb, Head of the Oral Biology Department And Director of the AO research laboratories

gingival tissue, i.e. it increased the width and thickness of the keratinized gingiva compared with control treatment and improves healing. This fact suggested that EMD might have a direct positive effect on gingival fibroblasts (GFs). Given this intriguing biological question and the relative ease of working with human GFs, **Prof. Miron Weinreb** and his team set out to find the molecular pathways utilized by EMD. They selected primary human GFs as study system and quickly found that EMD stimulates the proliferation of these cells. Careful analysis by graduate students **Ella Zeldich**, **Evgeny Weinberg** and **Tal Maymon** demonstrated that this stimulation involves sending into the cells specific molecular signals, which favor cell proliferation to cell death. Such signals must initiate in activation of a receptor resident on the cell outer membrane. After screening for activation of various receptors, Prof. Weinreb's



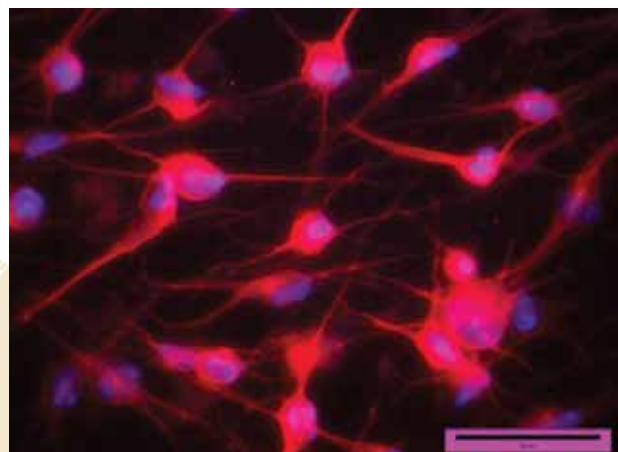
Graduate students experimenting oral mucosa derived stem cell biology at the Alpha Omega Research Laboratory at the Goldschlager School of Dental Medicine

group found that the Epidermal Growth Factor (EGF) receptor is involved in this action. This finding was puzzling enough since EGF (which would activate this receptor) was never found in EMD preparations. After many painstaking experiments an explanation was found: EMD causes the activation of enzymes of the MMP (matrix metalloproteinase) family on the cell surface, which cleave off the cell membrane a molecule that resembles EGF. Once cleaved, this molecule (HB-EGF) is capable of activating the EGF receptor.

This study provided convincing evidence that EMD stimulates the proliferation of normal gingival fibroblasts. However, these cells are often found in areas of inflammation, which could change their behavior. Inflammatory molecules such as TNF and IL-1 and prostaglandins (like PGE₂) induce tissue damage and hamper gingival repair and Prof. Weinreb's team found that indeed PGE₂ inhibits the proliferation of human GFs, however adding EMD to these cells restored their proliferation to normal levels. Thus in this system EMD has the capacity to protect human gingival fibroblasts from the inhibitory effects of inflammation-associated molecules and improve healing by enabling the nascence of new fibroblasts. This research helped to reveal some of the molecular mechanisms (outlined below) that could explain the clinical effects of EMD.

Innovative Stem Cell Research

Loss of tissue function associated with the increased population life span poses new challenges to the field of regenerative medicine. Stem cells (SC) are crucial building blocks for any regenerative strategy. Embryonic SC have the highest therapeutic potential as they develop into any tissue of the organism. However, tumor formation, immune rejection and ethical drawbacks severely limit their clinical applications. Adult stem cells found in any adult tissue are safe and can be obtained from the person in need. However, their growth and capacity to develop into tissues decrease with ageing thereby reducing their clinical potential. Based on the observation that wounds in the oral cavity heal faster than elsewhere in the body, **Professor Sandu Pitaru**, Department of Oral Biology discovered a new and unique stem cell population in the oral mucosa which he terms "human oral mucosa derived stem cells or briefly – hOMSC". What makes hOMSC unique is that even when obtained from an elderly patient, these SC have the properties of young or primitive embryonic-like SC – yielding a high capacity to be transformed into different tissues. Being safe and highly potent hOMSC overcome the disadvantages of embryonic and adult SC. These properties and their readily accessible source - oral mucosa, position hOMSC as a unique stem cell population for cell therapy. The discovery, which has been published in the



Oral mucosa stem cells developed into neurons

prestigious journal *Stem Cells*, opens a new door to stem cell research and potential therapies. Prof. Pitaru and his graduate students **Keren Marinka-Kalmany**, **Sandra Treves**, **Miri Yafee** and **Yossi Gafni**, have already succeeded in coaxing hOMSC into becoming significant types of cells, including bone, cementum, cartilage, muscle and even neurons and precursors of liver and pancreatic cells. Currently, the Stem

Cell Group led by Prof. Pitaru (5 postgraduate students) set out to test the therapeutic capacity of hOMSC in the treatment of deleterious diseases such as chronic heart failure, diabetes, Crohn's disease, chronic liver failure and neurological degenerative disorders in *in vitro* and *in vivo* models.

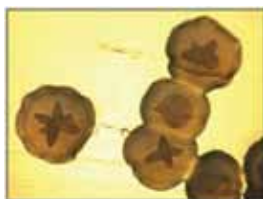


Prof. Pitaru and his graduate students at the Alpha Omega Research Laboratory

Oral Microbiology

At the Laboratory of Oral Microbiology, **Dr. Ronit Bar-Ness Greenstein** supervises many research projects in collaboration with various departments at the school, such as with **Prof. Avital Kozlovsky** from the Department of Periodontology. The studies were aimed to elicit the phenomenon of relatively low caries incidence in Aggressive Periodontitis

patients. **Dr. Amir Wolff**, studied the inhibitory effect of saliva from Aggressive Periodontitis patients who are positive for *Aggregatibacter actinomycetemcomitans*, on *in vitro* growth of *Streptococcus mutans*. **Dr. Michael Saminsky** studied the correlation between *Streptococci* and *Aggregatibacter actinomycetemcomitans* salivary levels, in aggressive Periodontitis, patients before periodontal treatment. Another research project which was performed



at the lab, was done by **Dr. Awfa Abu-Nimer**, who studied the volatile antibacterial effect of Miswak (chewing stick) on two representative oral bacteria - *Streptococcus mutans* and *Aggregatibacter actinomycetemcomitans*. Chewing sticks (Miswak), particularly those derived from the roots of *Salvadora persica* tree, is still widely spread throughout islamic countries and other parts of the world as an oral hygiene device. The Miswak demonstrated a volatile bactericidal effect against both types of tested bacteria.



Mr. Relu Samuel, the school photographer at work.



Dr. Ronit Bar- Nes Greenstein and a class of undergraduate students.

COLLABORATIONS

TAUSDM and AlphaBio tec



from right to left: Dr. Zeev Ormianer, Prof. Joseph Klafter- President TAU, Amir Noy- General Manager-Alpha Bio, Rina Bar Vp Marketing- AlphaBio, Prof. Ilana Eli

Recently a new collaboration was established between TAUSDM and AlphaBio tec, one of the leading implant companies in Israel. As part of the collaboration, AlphaBio tech granted scholarships for purposes of research and education at the School, which will support young faculty to combine basic and clinical research.

Mr. Amir Noy, the Company General Manager, believes that the collaboration will be most fruitful and will maintain many years of successful research and development.

TAUSDM and S.Schestowitz

Starting October 2011, a collaboration was initiated between S.Schestowitz, the representative of Colgate-Palmolive in Israel, and our Dental School. Students and residents in Oral Rehabilitation, Periodontics and Pedodontics receive a fully equipped kit containing oral

hygiene products and use it to instruct patients in issues of oral hygiene. Following instruction each patient receives the relevant products free of charge.

Additionally, the company donated two Jet Polishers 2000 and two Delsonic 2000 instruments to the course of dental hygienists at the school to be incorporated in their curriculum. All this activities are part of the policy of the company to enhance oral hygiene measures in the general population. In the near future we will initiate research activities financed by the company.



Mis. Michal Lainer representative of Colgate-Palmolive in Israel with Prof. Eli and Prof. Pilo

International Academic collaborations of TAUSDM

During the last months, the TAUSDM has been negotiating with a number of leading dental schools worldwide for the establishment of formal collaboration in various aspects: exchange of faculty staff, mutual research projects, organizing mutual professional conferences, and if possible, exchange of undergraduate students.

To Continuation ►

STUDENT SCHOLARSHIPS

The Aron Lande Fund

His human capacity of sacrificing his own self for the benefit of others continued throughout Aron Lande's long life. Aron was born in Odessa and passed away in Paris at the age of 96 after an unusually intensive life.

At the age of 12, as part of a family effort, he started working by helping his oldest brother in his studies. By the end of World War I, at the age of 14, he was brave enough to leave Odessa in search of a better life. Aron walked for 2 months and crossed the border of Rumania, where he

became an assistant to a jeweler. Due to his talents in this field he became at no time a Master Jeweler at Cartier in South France, and later in Paris,

where he discovered the dental world. In 1930, Lande enrolled to the Paris University as a dental student and later took advanced studies (Diploma) in Orthodontics. "The late 30's were the best years of my life but at no time they turned into a nightmare," Lande told me when we first met in Paris. World War II turned him into a refugee, escaping from the Germans who entered the city of Paris. During the war, Aron was hidden in a psychiatric hospital, witnessing



the Holocaust of the French Jews. His stories about this period are too long to be told.

"The end of the war and the subsequent years will long be remembered – 1946 was the beginning of a second spring in my life," said Lande. It was a period of innovations and developments. Lande became known in Europe due to his novel developments in Prosthetic dentistry and before long he was famous throughout Europe as a leader in his field.

I first met Aron on the Metro in Paris. After one day we became close friends. Yiddish was the only language for both of us to communicate. Lande explored his life from A to Z and I was fascinated by his endless will to help – no matter whom.

In his will, Lande established the largest fund ever for our School. We certainly attend to it that, with the new era that our School experiences, this fund will be devoted to promote the School's research and clinical activities as well as to help needy students, both being an essential part of the Lande heritage.

Prof. Haim Tal

◀ Continuation

The Institutions with which TAUSDM has been in contact are:

- **The University of Pennsylvania School of Dental Medicine (USA)**
- **The University of Minnesota School of Dental Medicine – the Craniofacial Research Training program (USA)**
- **The Henri Poincare University Nancy 1, Faculty of Odontology (France)**

- **The University of Paris Descartes Dental Faculty (France)**
- **The Moscow National University for Medicine and Dentistry (Russia)**

The TAUSDM has been approached by these leading institutions, a proof of its strong professional appreciation worldwide. No doubt, our reputation is a result of the dedicated work of each and every TAUSDM staff member.

The Miziritzky family Fund

The Miziritzky family arrived in Israel in 1927 from Russia via Poland, and the sons worked as farmers in the central region. They went through hard times, together with the small Jewish community and stood out in their love for the land. Over the years the family members served as an example of honesty and diligence. The first to become a doctor was my father, Dr. Yoram Miziritzky, who for many years managed the emergency wards and then the internal medicine department at the Ziv hospital in Safed. He even won the "Physician's Award" in 2002. After him, I too turned to medicine and after three years of studying medicine at the University of Tel Aviv I continued my studies at the adjacent school of dental medicine where I completed my under-graduation studies and my specialization of Oral Rehabilitation in 1996. As a matter of fact, this institution was my home for 11 years. Therefore when we considered how to commemorate the family members who passed away, the first thing that came to my mind was to set up a scholarship fund that would trace students who were more in need of assistance than others, at the School of Dental Medicine at Tel Aviv University and to help them carry the economic burden, and allow them to achieve higher goals in their studies.

Unlike with other scholarship funds, the Miziritzky family – my parents Edna and Yoram, my sister Tamar and I, decided to meet the candidates each year and get to know them



Left to right: Prof. Ilana Eli, Prof. Tamar Brosh, Dr. Eitan Miziritzky & family

personally, and this is what makes this fund so special. By meeting each and every candidate we sense a deep and strong commitment that stays with us for a long time after the interviews are over. We encounter moving stories of contributions and volunteering to the IDF and society by the students, in spite of the many pressures they face: economic pressures, study pressures and in many cases also pressure by the family and health problems. In the end it is not clear who benefits the most – the students who receive the scholarship or we who grant it.

It is my and my family's hope that by this donation we will cause those who receive the scholarships to adopt those in need once they themselves become successful doctors and dentists, and perhaps in this way we will contribute to a small positive change in our society.

The Miziritzky family fund was set up in 2008. In 2011 it distributed scholarships to 50 students and since its establishment it has distributed scholarships each year, to date to 120 students of medicine and dentistry and doctoral candidates to encourage various fields of research at the hospitals that work with the faculty of medicine of Tel Aviv University. The Miziritzky family fund is presently the largest scholarship fund at the School of medicine and dentistry at Tel Aviv University.

Dr. Eitan Miziritzky



Dr. Miziritzky and his family awarding a scholarship to an undergraduate dental student, Mr. Michael Pesis.

The Zenziper family Fund

Two years ago a fund was set up by the family of the late Zaida Zenziper. On her bequest, each academic year a grant of study in the sum of 10,000 NIS is granted to one student.

This year the student Efrat Zecharia received the grant.

The ceremony was held in school on August 18 and was attended by Prof. Ilana Eli, Mr. Haim Naor, administrative Director and the late Zaida Zenziper's 5 children and grandchildren.



The Zenziper family and the last year's fund recipient, Ms. Efrat Zecharia. In front: the youngest generation of the Zenziper family.

Enac 10w Piezoscalpel

Various tips for:

- ❖ Extraction
- ❖ Osteotomy
- ❖ Implant
- ❖ Apicoectomy
- ❖ Periodontal Surgery
- ❖ Sinus Surgery

...and much more



**The flexible power settings
and various tips improve your
multipurpose clinical practice**



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KOL HAKAVOD!

PRAISES FOR EXCELLENCY!

Two out of the 39 lectures who received this year the Rector Annual Award for Excellency in Teaching were tow members of our School: Dr. Shlomo Matalon and Dr. Esther Rosenberg. The ceremony was held at the Bar-Shira auditorium in June 2011, hosted by the Rector Prof. Aharon Shai, and the Vice Rector Prof. Dina Prialnik.

The Rector's "Outstanding Lecturer" award is the highest recognition for excellence in teaching within the University. Granting this award to two of our teachers brought a lot of honor to our School.



from left to right: Prof Zvi Metzger, Dr. Esther Rosenberg, Prof. Eli and Dr. Shlomo Matalon

Thank you Ester and Shlomo!

APPOINTMENTS AND PROMOTIONS



Prof. Zvi Metzger received the degree of Full Professor in Endodontology.



Dr. Ofer Mardinger received the degree of Senior Clinical Lecturer in Oral and Maxillofacial Surgery.



Dr. Yakir Anavi received the degree of Senior Clinical Lecturer in Oral and Maxillofacial Surgery.

THE WHITE COAT CEREMONY

The distribution of white coats is an important ceremony with many implications, the most significant of which is the move from theory to reality, clinical work.

The white coat symbolizes the purity of the profession, and beyond the immediate assistance we doctors extend to patients, there is also our contribution to society.

The "Alpha Omega" fraternity stands for contribution to society and it took charge of this ceremony in order to pass on the important message to the students. Each such event the guest lecturer is in some way connected to the subject.

The guest lecturer at this year's ceremony was a person who devoted, and continues to devote most of his life to society- the former baseball player of Maccabi Tel Aviv, the symbol of victory of the mind over power, Mr. Tal Brody. "We are

on the map and we will remain there – not only in sports, but in everything." said Brody years back after Maccabi Tel Aviv won the Europe Cup against CSK Moscow in 1977. Words which caught all the nation's hearts.

Tal Brody presently serves as an ambassador of goodwill on behalf of the Ministry of Foreign Affairs, and emphasized the importance of contribution to society.

This is the moment to recall a number of important activities of the TAUSDM in collaboration with the "Alpha Omega" fraternity, Tel Aviv branch, as contribution to society: assistance to Holocaust survivors, whereby

"Alpha Omega" finances the dentures and the students treat the patients; treating the socially weak at private clinics of the fraternity's doctors on a voluntary basis, and others



Dr. Blachash, Mr. Brody and Prof. Eli



Students with Prof. Eli and Dr. Blachash

THE MAURICE AND GABRIELA GOLDSCHLEGER **ANNUAL MEMORIAL RESEARCH FORUM**



Prof. Eli at the forum

Continuing the tradition of the annual meeting devoted to dental research, the forum took place on 11/11/11 at the Dolfi auditorium counting with a large audience.

The topic was "Updates in modern Dentistry" and was organized and coordinated by **Prof. Carlos Nemcovsky**, Head of the Continuing Education Committee.

Following greetings by Prof. Ilana Eli, the Student Award of the International College of Dentists was awarded to **Ms. Glinkin Viktoria**, a 5th year DMD student. The award was presented by **Dr. Efraim Winocur**, the Head of the Student-Faculty Committee and **Ms. Gal Shelly**, a representative of the GC company, which sponsors the award. Four of our young graduates, **Dr. Guy Frydman**, **Dr. Zachi Geron**, **Dr. Roi Skopski** & **Dr. Keren Shapira** were awarded the Yocheved and Dr. Daniel Sarnat awards for outstanding DMD thesis. The awards were presented by Prof.



Dr. Guy Frydman receives the Yocheved and Dr. Daniel Sarnat award, Prof. Sarnat, Prof. Eli & Prof Brosh



Dr. Roi Skopski receives the Yocheved and Dr. Daniel Sarnat award, Prof. Sarnat, Prof. Eli & Prof Brosh.



Dr. Esther Rosenberg receives a certificate of appreciation for being elected outstanding teacher from Prof. Ilana Eli



Dr. Uziel Jeffet receives a certificate of appreciation for being elected outstanding teacher from Prof. Ilana Eli



Dr. Zachy Geron receives award



Dr. Tanya Ostrovsky- Chibel (left) receives the 3M Award for excellent Research Work on Dental Materials from Dr. Sira Zari(middle) who serves as the Scientific Affairs Specialist in 3M ESPE



Viktoria Glinkin(Middle) receives the student Award from Ms. Gal Shelly of GC company (Right) and Dr. Efraim Winocur



Dr. Anna Barnea(left) receives the 3M Award for excellent Research Work on Dental Materials from Dr. Sira Zari(middle)who serves as the Scientific Affairs Specialist in 3M ESPE

Tamar Brosh, Head of the DMD Thesis Committee, and Prof. Haim Sarnat .

The Outstanding Teacher Awards were presented to two of our excellent clinical teachers: **Dr. Uziel Jeffet**, a former graduate of TAUSDM and a young faculty member who has recently joined our clinical staff, and the experienced and well appreciated **Dr. Esther Rosenberg** .

Two more of our recent graduates, **Dr. Anna Barnea** and **Dr. Tanya Ostrovsky-Chibel** , received the 3M Award for Excellent Research Work on Dental Materials. The award was presented by **Dr. Shira Zary**, who serves as the Scientific Affairs Specialist in 3M ESPE Finally, but not less importantly, Prof. Ilana

Eli kindly thanked all the teachers and faculty who retired during the past five years.

The academic part of the forum was most interesting and represented an excellent overview of the research work currently performed at the School. The lecturers were: **Dr. Evgeny Weinberg** from the Department of Oral Biology, **Prof. Gabi Chaushu** from the Department of Oral and Maxillofacial Surgery, **Dr. Lital Araz Young** from the Departments of Orthodontics and Oral Biology, **Dr. Yossi Nissan** from the Department of Oral Rehabilitation and **Dr. Roni Kolerman** from the Department of Periodonotolgy and Dental Implantology.

GRADUATION CEREMONY

In a moving and impressive ceremony TAUSDM graduates received their DMD degree.

Congratulations and lots of good luck and success in your new professional lives!



Dr. Abu-Nimer ,his family and Prof. Eli

From left to right: Prof. Yoseph Mekori, Prof. Ilana Eli, Dr. Shiri Betan-Kuperman



Graduates with Ms. Dorit Doron

FROM THE DEPARTMENT OF ORTHODONTICS



Post-graduate students in Orthodontics

The International Post-graduate Orthodontic program allows post graduate students to encounter the most advanced orthodontic treatment methods under the supervision of some of the leading orthodontists in Israel. Students from all over the world participate in this 3.5 year-long prestigious program, which allows them to become familiar with Israel and the Israeli culture.

Some of the students combine their studies with research for a PhD degree. Being a clinician and a researcher is highly important, especially nowadays when "evidenced based" studies are required. This combination allows a better understanding of human physiology and can help develop new treatment modalities.

Dr. Racheli Sarig held research on the physiologic phenomenon of "interproximal dental attrition". The research was held under the supervision of **Prof. Alexander Vardimon**, Head of the Department of Orthodontics and **Prof. HersHKovitz** from the Department of Anatomy and Anthropology. The data for the research was gathered in the Hamman-Tod osteologic collection at the Cleveland Museum of Natural History. This collection is the largest documented osteologic collection in the world, over 3,000 skulls with

age, sex and ethnic origin known.

The results enabled to determine the origin of prehistoric teeth that had been excavated in the "Qesem" cave, which is estimated to be 200,000-400,000 years old. The results have been published in the American Journal of Physical Anthropology and other congresses and symposiums around the world. The findings suggest that the origin of the prehistoric homo-sapiens could come from the land of Israel and from Africa, as was thought before.

Dr. Rachel Sarig
Department of Orthodontics



The Qesem lower left fourth premolar.



Osteologic material used in the research



Qesem cave

THE STUDENT FACULTY CLUB

The cafeteria at the dental school closed its doors on August 2009, as at that time there were not enough students at the school, and the only potential clients were the patients who were told not to drink or eat for at least one hour post-treatment.

For over a year students and staff lacked a meeting point where they could meet and relax together.

On February 7th the students of the 4th year rose to the challenge, and together with the house manager and some of the teachers, worked for three days and nights, cleaning the old cafeteria, painting the walls and covering some of them with wall paper.

At the end of those three days a large van arrived and unloaded all new furniture, donated by a generous Alpha Omega member who wished to remain anonymous.

Mrs. Abarbanel Ahuva, the School's human resources and teachers' secretary, donated all the electric equipment (stereo radio, toaster oven, espresso machine, microwave oven etc), in memory of her late son, **Dori**, who has been a student at TAU.

The new student faculty lounge was inaugurated in the month of May with a cocktail party and a live jazz concert in which the whole school participated: students, faculty and administrative staff.

The lounge symbolizes the start of a new era and, as witnessed by the photographs, is enjoyed by everyone.



Students renovating the place



Students enjoying the new facility

THE BETTE & RALPH ROTHSTEIN SYMPOSIUM OF ORAL REHABILITATION.

300 dentists from all over Israel attended the Symposium entitled "Innovative Methods in Prosthodontics".

Prof. Ilana Eli, Head of the School and **Prof. Ariel Ben-Amar**, Head of the Department of Oral Rehabilitation, opened the Symposium followed by Dr. Colin Gorfil addressing the blessed memory of our dear friend Ralph Rothstein.

Our mission was to introduce to the dental community new methods and research done and utilized in our Department, said **Dr. Zeev Ormianer**, the Symposium Chairman.

International Speakers, **Dr. P. Weigl** (University of Frankfurt, Germany) **Prof. M. Goldberg** (University of Paris, France) and **Dr. David Garber** (USA) shared new knowledge and methods with the audience.

The faculty of the Department of Oral Rehabilitation presented their scientific studies and exhibited the contribution of research to clinical procedures done in our practice.

The Symposium ended with an Hand-On Course practicing tooth preparation for esthetic restorations directed by **Dr. Garber**.



A MEETING IN XIAN, CHINA

During her visit to China, Prof. Eli met with Major General, Professor Yimin Zhao, the Dean of the School of Stomatology, Fourth Military Medical University and Vice President of the Chinese Stomatological Association and discussed plans for future collaboration.



VISITORS

At the beginning of December 2010, we were honored by the visit of two most distinguished professors from Finland, **Prof. Leo Tjäderhane** and his wife, **Prof. Tuula Salo**, who were invited by Prof. Ariel Ben Amar, Head of the Department of Prosthetic Dentistry and Dr. Marilena Vered, Coordinator of the Department of Oral Pathology and Oral Medicine.

Prof. Tjäderhane is the Head of the Department of Pedodontics, Restorative Dentistry and Endodontology at the University of Oulu in Northern Finland. **Prof. Tjäderhane** is leading an international collaboration research that focuses on dentin biology, its interactions with restorative composite materials and practical clinical applications. At our school, **Prof. Tjäderhane** has given a lecture on "Dentin bond strength: durability of hybrid layer". The lecture presented the most updated findings in the field and was highly appreciated by the audience.

This is what Prof. Tjäderhane wrote to Prof. Ben Amar about his visit at our school: "Dear Professor Ben-Amar,

Thank you very much for your kind words, the pictures, but especially your hospitality towards us during our visit. I greatly enjoyed the discussion with the audience, which demonstrated the comprehensive knowledge of the subjects discussed among the audience. I have been lecturing about these issues in many parts of the world, but I have to tell you, I don't think that I have ever met such an expertise in the audience as the people in your university had. Your students are very fortunate!

Best regards,

Leo Tjäderhane"

Prof. Salo was kindly invited to our school to plan future collaboration research on oral cancer with **Dr. Marilena Vered** and **Prof. Dan Dayan** from the Department of Oral Pathology and Oral Medicine. This came after an important collaborative research performed in the last two years by Prof. Salo and the Tel Aviv group. The research focused on the cardinal role of the tumor microenvironment on the proliferation, infiltration and spread of tongue carcinoma,

which yielded a number of publications in leading cancer research journals that climaxed in a recent statement paper published in *Nature Reviews Cancer*. During this visit a new collaborative research project was initiated aimed to find out new therapeutic approaches to improve the prognosis of oral cancer patients, and especially those with tongue cancer.



Prof. Tjäderhane (left) and Prof. Ben Amar (right)



Prof. Salo (left), Prof. Tjäderhane (right) and Prof. Dayan (center).



Prof. Salo (left) and Dr. Vered (right).

MEETINGS WITH FRIENDS



Prof. Eli, Peretz, Nemkovski and Kaffe with friends from France.



Mr. Dianna Rosenberg and family, in front of the donors wall



Prof. Eli and Prof. Peretz with Prof. Wierzba and Dr. Rouch-Nahmani



Prof. Tal with Dr. Linda Greenwell, Head of the AO London Chapter



Prof. Eli and Prof. Peretz with Dr. Spitz and his Son



Prof. Eli with Dr. Carlos Nurko

THE CLINIC FOR OROFACIAL PAIN & TEMPORO-MANDIBULAR DISORDERS, **DEPARTMENT** **OF ORAL** **REHABILITATION**



Pain clinic staff

Coordinator: **Dr. Ephraim Winocur** DMD; (licensed in Medical Hypnosis) Clinical Faculty: **Dr. Alona Perlman-Emodi** DMD; (licensed Acupuncturist), **Dr. Shoshana Reiter** DMD (Oral Medicine Specialist & licensed in Medical Hypnosis), **Dr. Larry Lockerman** DDS (Diplomate, American Board of Orofacial Pain & American Board of Dental Sleep Medicine), **Dr. Carole Goldsmith** DMD, **Dr. David Cohen** DDS, **Dr. Pessia Rubin** DMD, **Ms. Michal Liebling** (Physiotherapist), **Ms. Nira Orgil** (Dental Assistant).

Clinical Activity: The clinic deals with the evaluation, diagnosis and management of patients suffering from pain felt in oral and facial structures (related to masticatory, head and neck musculature, cervical region, temporomandibular joints, cranial nerves, TMJ disc displacements, subluxations, and bruxism). The treatment is inter-disciplinary and can include pharmacological treatment, behavioral management, hypnotherapy, diagnostic anesthetic injections, botulinum toxin (Botox) injections, acupuncture, Chinese medicine, physical therapy, and oral appliances.

Patients suffering from obstructive sleep apnea are treated with oral appliances as an alternative to CPAP (Continuous Positive Air Pressure) and surgery.

Patients are referred by dentists, physicians, and health care providers, from all over the country, since it is the only multidisciplinary Orofacial Pain & Temporomandibular Disorders (OFP/TMD) clinic in Israel, and due to its high reputation.

The OFP/TMD clinic is part of the Orofacial Pain & Temporomandibular Disorders Program for under-graduated students. Students on duty perform a full evaluation of at least one patient referred to the clinic, under the supervision of a staff member. The students are present during the process of diagnosing and managing the patient.



THE DENTAL HYGIENE PROGRAM

The Dental Hygiene Program of our Dental Medical School has been running for more than 25 years. The Program is a 2 year certificate study.

Each year about 30 students enroll into the program. They come from all over the country, " from Dan to Eilat", from different socio-economic backgrounds,- new immigrants, "sabras", soldiers (as a part of their army service), students from the Israeli Arab towns and villages.

Spending two years together with a common goals and shared effort to study, they acquire not only professional skills, but also make new friends and achieve better understanding of our multicultural society.

The leading team of Dental Hygiene Program includes: The Director, **Dr. Tali Levin**, DMD **Dr. Gay Volfin**, DMD, **Mrs. Sevilia S.** RDH, **Mrs. Shaar L.** RDH, **Mrs. Izchaki I.** RDH and others.



Dental Hygiene Students

The emphasize of Tel-Aviv University Dental Hygienist Program is:

- Assistance in early diagnosis of pathological conditions in the oral cavity.
- Estimation of caries risk groups according to standard parameters.
- Patient management according to estimated caries risk and risk for periodontal diseases.
- Knowledge of numerous components of the dental products and their adjustment for the treatment needs of specific patient.
- Usage of manual and ultrasonic equipment for removing dental calculus.
- Management of medically compromised patients
- Active participation in Community Programs intended to prevent oral diseases and to enhance motivation and implementation of oral hygiene in the community.



Clinical study



Dental Hygiene delegation in Israel



A future Dental Hygienist at work

A DAY OUT OF SCHOOL

As a long term tradition at the Dental school of Tel Aviv University, we organize once a year a one day educational trip for the Administrative staff.

We take a brake of the day to day routine which change the atmosphere and helps to improve the daily relations between the employees.

This year, on April 2011, we went on a tour to Jerusalem. We visited the Parliament , the Safra Square and the Municipality of the City and concluded our trip at the renovated ISRAEL MUSEUM.

Mr. Haim Naor



The administrative staff in front of the Parliament (The Knesset).

היוניטים המפוארים של ETI במחיר החסכוני מכולם

* המחירים אינם כוללים מע"מ

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הסדרה היוקרתית

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- * טורבינה אור W&H \ KaVo \ NSK
- * מיקרומוטור FARO / BIENAIR / NSK

- * ומגש פורצלן ענק
- * מרקקה נשלפת ומסתובבת
- * מתלים נשלפים לניקוי
- * ויאר LED לצילומים פנורמיים
- * פיקוד ידני
- * מנורה FARO ALYA LED

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A DAY AT SCHOOL



Occlusion is what it's all about



At the Office



Starting at 7 a.m.



Researching



The three experts



Opening the Clinics



Sterilizing



Operating



At the Phantom Lab.



Praising



Praising



Maintaining



FINALE

*Dear Friends,
As you could see the last year has been
a busy and fruitful one at the TAUSDM.
Lot's has been achieved, even more
remains to be done.
Thank you all for your help and support*

Ilana