

## Ervin I. WEISS, D.M.D.



### **Personal Details:**

Date of birth: 06.11.1950  
Country of birth: Romania  
Family status: Married, 3 Children

### **Higher Education:**

- 1969 – 1975: Faculty of Dental Medicine, Hebrew University, Jerusalem
- 1975: D.M.D. degree awarded  
Thesis: The effect of topical application with an organic and inorganic fluoride compound on the inhibition of dental plaque in humans  
Supervisors: I. Gedalia and Y. Zilberman
- 1991: Specialization Certificate in Prosthodontics  
Ministry of Health, Israel
- 1983: The anatomy and physiology of the masticatory system (one semester)  
Professor Norman D. Mohl, State University of New York - Buffalo, held at the School of Dental Medicine, Tel Aviv University, Tel-Aviv
- 1985: Advanced topics in microbiology (one semester)  
The Foundation for Advanced Education in the Sciences, Graduate School at N.I.H., Bethesda, Maryland, USA
- 1985: The biology of bacterial plasmids (one semester)  
The Foundation for Advanced Education in the Sciences, Graduate School at N.I.H., Bethesda, Maryland, USA
- 1986: Control of gene expression (one semester)  
The Foundation for Advanced Education in the Sciences, Graduate School at N.I.H., Bethesda, Maryland, USA
- 1987: Biochemical aspects of gene replication (one semester)  
The Foundation for Advanced Education in the Sciences, Graduate School at N.I.H., Bethesda, Maryland, USA

**Appointments at the Hebrew University:**

- 1.10.2000: Associate Professor in Prosthodontics, in the Department of Prosthodontics  
1.11.2007: Professor in Prosthodontics, in the Department of Prosthodontics

**Additional Functions/Tasks at the Hebrew University:**

- 2000: Head, Department of Prosthodontics, The Hebrew University-Hadassah School of Dental Medicine  
2000: Member of the Teaching Committee, The Hebrew University-Hadassah School of Dental Medicine  
2005: Chairman of the Admissions Committee, The Hebrew University-Hadassah School of Dental Medicine  
2007: Member of the Academic Appointments Committee, The Hebrew University-Hadassah School of Dental Medicine

**Service in Other Academic and Research Institutions:**

- 1978 – 1981: Department of Prosthetic Dentistry, Center of Oral and Dental Medicine, Tel-Hashomer, Israel Defence Force  
1978: Private practice, prosthetic dentistry, Tel-Aviv  
1980 – 1984: Teaching Operative Dentistry, School of Dental Medicine, Tel Aviv University  
1982 – 1984: Member of the Committee for Supervision of DMD Theses, School of Dental Medicine, Tel Aviv University  
1982 – 1984: Member of the Committee for the Final Integrative Examinations, School of Dental Medicine, Tel Aviv University  
1984 – 1987: Visiting fellow, Laboratory of Microbiology and Immunology, National Institute of Dental Research, N.I.H. Bethesda, Maryland, USA  
1984 – 1989: Lecturer in Restorative Dentistry, School of Dental Medicine, Tel Aviv University  
1987 – 1989: Member of the Research Committee, School of Dental Medicine, Tel Aviv University

- 1988 – 1996: Member of the Curriculum Committee for Para-dental Studies, School of Dental Medicine, Tel Aviv University
- 1988: Member of the Sub-committee for Basic Sciences, Scientific Council, Israeli Dental Association
- 1989 – 1998: Senior Lecturer in Restorative Dentistry, Department of Restorative Dentistry, School of Dental Medicine, Tel Aviv University
- 1989 – 1996: Head, Dental Hygienist Program, School of Dental Medicine, Tel Aviv University
- 1990 – 1996: Member, Curriculum Committee, School of Dental Medicine, Tel Aviv University
- 1993 – 1997: Member of the Advisory Team to the Head of the School of Dental Medicine, Tel Aviv University
- 1995 – 1996: Chairman of the Israel Society of Oral Rehabilitation
- 1996 – 1997: Member of the Advisory committee to the Division of Dental Licensing at the Israel Ministry of Health
- 1997 – 2000: Head of the Academic Curriculum Committee for Para-dental Studies, School of Dental Medicine, Tel Aviv University
- 1998 – 2000: Head of the Committee for the Final Integrative Examinations, School of Dental Medicine, Tel Aviv University
- 1998 - 2001 Associate professor in Restorative Dentistry, Department of Restorative Dentistry, School of Dental Medicine, Tel Aviv University
- 1999 – 2000: Head of “Dentistry 2000”, the Committee for changing the academic curriculum, School of Dental Medicine, Tel Aviv University
- 1999 – 2000: Member, Curriculum Committee, School of Dental Medicine, Tel Aviv University
- 1999 – 2000: Treasurer, Israeli Division of the International Association for Dental Research
- 2000 – 2001: President, Israeli Division of the International Association for Dental Research
- 2004: Reviewer, independent expert, Framework Programs of the European Commission

## **Other Activity**

### **Awards and Fellowships:**

- 1975: Outstanding Student Award, Hebrew University, Jerusalem
- 1984 – 1987: Fogarty Fellowship, National Institutes of Health, Bethesda, MD, USA
- 2005 – 2007: Outstanding Faculty Supervisor of Students on Their DMD Thesis
- 2006: List of best teachers of the The Hebrew University-Hadassah Faculty of Dental Medicine

### **Membership in Professional Societies:**

- 1976: Israel Dental Association
- 1983: International Association for Dental Research
- 1985: American Society for Microbiology
- 1987: Israel Society for Microbiology
- 1990: Israel Society of Oral Rehabilitation
- 1994: Israel Society of Periodontology
- 1997: American Dental Association
- 1997: American Association for the Advancement of Science
- 2003: European Academy of Esthetic Dentistry
- 2004: International College of Prosthodontics

### **Membership in Editorial Boards of Academic Journals:**

- 2002: Practical Periodontics and Aesthetic Dentistry (PPAD)
- 2004: Quintessence International
- 2004: Adkan – Israel Dental Update

**Research Grants:**

- 1982 – 1984: Joint fund (Ramot - Israel Gov't) for applied development  
Development and testing of an oil based dentifrice  
E. I. Weiss, M. Rosenberg and H. Judes  
\$20,000/60,000
- 1984 – 1986: Joint Fund (Ramot - Israel Gov't) for Applied  
A novel replica technique for diagnosing dental caries  
Development E. I. Weiss, I. Eli and M. Rosenberg  
\$20,000/60,000
- 1984 – 1987: Miniplast Ein Shemer (Industry)  
Development of novel disposable microbial instruments  
M. Rosenberg and E. I. Weiss  
\$22,000/65,000
- 1988 – 1989: Basic Research Fund - Tel Aviv University  
Membrane-associated adhesins of *Capnocytophaga ochracea* – Identification  
and localization  
I. Eli and E. I. Weiss  
\$5,600/8,000
- 1988 – 1991: The Israel Academy of Sciences and Humanities  
Identification and characterization of membrane-associated adhesins of  
*Capnocytophaga ochracea*  
I. Eli and E. I. Weiss  
\$50,400/56,000
- 1989 – 1992: United States - Israel Bi-national Science Foundation  
Isolation and characterization of membrane associated adhesins of  
*Capnocytophaga ochracea*  
E. I. Weiss, I. Eli, and J. London  
\$100,000/110,000
- 1993 – 1994: Forsyth Dental Center, Boston, MA, USA  
Preparation of adhesin-specific monoclonal antibodies  
E. I. Weiss  
\$5,000/5,000

- 1993 – 1995: Mavolin and Sonny Lefco Foundation  
Preliminary identification of *F. nucleatum* adhesins  
E. I. Weiss  
\$2,000/2,000
- 1994 – 1995: Preminger fund  
Dental implants: prevention of bacterial leakage at the abutment-implant interface  
E. I. Weiss, D. Kozak, and B. Laufer  
\$2,000/2,000
- 1995 – 1997: Mavolin and Sonny Lefco Foundation  
Isolation and characterization of *F. nucleatum* adhesins  
E. I. Weiss  
\$2,000/2,000
- 1996 – 2003: Ocean Spray (Industry)  
Anti-adhesion activity of dietary products  
E. I. Weiss  
\$200,000/500,000
- 2000 – 2003: BSF United States - Israel Bi-national Science Foundation  
Polyphenoloxidases as anti microbial adhesion in the oropharyngeal cavity  
E. I. Weiss, I. Ofek, R. Doyle  
\$52,500/105,000
- 2001: Cabakoff Research Grant  
The mechanisms by which constituents of cranberry juice extract effect dental biofilm formation: *In vitro* study  
D. Steinberg, E. I. Weiss  
\$5,000/10,000
- 2003: Israel Ministry of Health, Chief Scientist  
Mixed infection of Porphyromana gingivalis & Fusobacterium nucleatum in murin model  
Y. Hour-Haddad, E. I. Weiss  
NIS 40,000/80,000

- 2004: Ocean Spray (Industry)  
Antiviral properties of cranberry  
E. I. Weiss, I Ofek  
\$35,000/40,000
- 2005: Ocean Spray (Industry)  
Antiviral properties of cranberry  
E. I. Weiss, I Ofek  
\$15,000/20,000
- 2006: European Framework Program 6  
Nutrident  
E. I. Weiss, I Ofek, D Steinberg  
€42,000/140,000

## Teaching at the Hebrew University

Supervision of Master's and Doctoral Degree Students

### PhD Degree Students:

- 1999: Student: Roni Lev-Dor (Leibushor)  
Co-Supervisor: Prof. I. Ofek  
Thesis: Characterization of anti-coaggregation activity of cranberry juice
- 2001 – 2008: Student: Nurit Beyth  
Co-Supervisor: Prof.A. Domb  
Thesis: Antibacterial properties of composite materials and surface Modifications
- 2005: Student: Mark Feldman  
Co-Supervisor: Prof. D. Steinberg  
Thesis: Effect of Cranberry extract on dental biofilm constituents
- 2005 – 2007: Student: Liat Baranes-Hadar  
Co-Supervisor: Dr. Y. Hourri-Haddad  
Thesis: Biocompetability of Dental Materials
- 2009: Student: Gilad Ben-Gal  
Co-Supervisor: Dr. Amitai Ziv  
Thesis:

### MSc Degree Students:

- 2003: Student: Rawi Asad  
Co-Supervisor: Dr. O. Feuerstein, Dr. Y. Hourri Haddad
- 2003 – 2005: Student: Mark Feldman  
Co- Supervisor: Prof. D. Steinberg
- 2004 – 2007: Student: Ran Bahir  
Co-Supervisor: Dr. O. Feuerstein
- 2007: Student: Yuli Goldman  
Co-Supervisor: Dr. O. Feuerstein
- 2008: Student: Livnat Atar  
Co-Supervisor: Dr. N. Beyth, Dr. A. Sharon



- 2008: Student: Ariel Shusterman  
Co-Supervisor: Dr. Y. Houri-Haddad
- 2009: Student: Nathan Zaltsman
- 2009: Student: Orly Birenbaum  
Co-Supervisor: Prof. R. Pilo
- 2009: Student: Dana Kesler
- 2009: Student: Uri Renert  
Co-Supervisor: Prof. D. Steinberg
- 2009: Student: Einav Hirschhorn
- 2009: Student: Aisar Nashef  
Co-Supervisor: Dr. Y. Houri-Haddad

**DMD Degree Students:**

- 2002 – 2003: Student: Sivan Shocher  
Co-Supervisor: O. Feuerstein
- 2002 – 2004: Student: Hagai Miron  
Co-Supervisor: O. Feuerstein
- 2002 – 2004: Student: Kobi Zeichner  
Co-Supervisor: O. Feuerstein
- 2002: Student: Chen Imbari  
Co-Supervisor: O. Feuerstein
- 2003 – 2004: Student: Nir Persman  
Co-Supervisor: O. Feuerstein
- 2003 – 2004: Student: Adi Arieli  
Co-Supervisor: O. Feuerstein, Y. Houri-Haddad
- 2003 – 2005: Student: Yael Rubinstein  
Co-Supervisor: N. Sterer
- 2004 – 2008: Student: Sarit Stoyke  
Co-Supervisor: M. Peretz-Davidi

- 2004 – 2006: Student: Gilad Ben-Gal  
Co-Supervisor: E. Irani
- 2004 – 2006: Student: Jonathan Klein  
Co-Supervisor: E. Irani
- 2005 – 2007: Student: Dana Amir-Klein  
Co-Supervisor: M. Peretz-Davidi
- 2005 – 2007: Student: Raja Nadaf  
Co-Supervisor: Y. Houri-Haddad
- 2005 – 2008: Student: Shada Nuas  
Co-Supervisor: M. Peretz-Davidi, N. Sterer
- 2005 – 2007: Student: David Atalani  
Co-Supervisor: M. Peretz-Davidi
- 2005 – 2007: Student: Alaa Haddad  
Co-Supervisor: M. Peretz-Davidi
- 2005 – 2009: Student: Nadya Abed  
Co-Supervisor: M. Peretz-Davidi, N. Sterer
- 2005 – 2008: Student: Chen Goldenberg  
Co-Supervisor: N. Sterer
- 2006 – 2009: Student: Marik Riber  
Co-Supervisor: E. Irani
- 2006: Student: Hila Bendeleck  
Co-Supervisor: E. Irani
- 2006 – 2008: Student: Noam Bruck  
Co-Supervisor: E. Irani
- 2006 – 2008: Student: Michal Bruck  
Co-Supervisor: E. Irani
- 2006: Student: Navit Klemer  
Co-Supervisor: N. Sterer, S. Levi
- 2006 – 2008: Student: Halla Carini  
Co-Supervisor: Dr. I. Abramovitz, Prof. Y. Mushonov

- 2007 – 2009: Student: Yaviv Rotem  
Co-Supervisor: Dr. B. Shahal, Prof. D. Steinberg
- 2007 – 2009: Student: Einat Holtzman  
Co-Supervisor: Dr. N. Sterer
- 2007 - 2009 Student Dana Kesler  
Co-Supervisor: M. Peretz-Davidi, N Sterer, N. Beyth
- 2008: Student: Sahar Nadel  
Co-Supervisors: Dr. N. Casap, Dr. A. Wexler
- 2008: Student: Bilal Yunes  
Co-Supervisor: E. Irani
- 2008: Student: Meyrav Benizri Oman  
Co-Supervisor: N.Sterer
- 2008: Student: Ovadya Oren  
Co-Supervisor: M. Peretz-Davidi
- 2009: Student: Suhir Kashkush  
Co-Supervisor: Dr. I. Abramovitz

**Post-Doctoral Fellows and Visitors (6 month or longer):**

- 2004 – 2006: Shlomo Matalon, DMD, Post-doctoral Fellow (for 2 years)  
Laboratory of Dental Materials, Department of Prosthodontics

**Courses Taught by Candidate:**

- 2001: Integrative restorative treatment course for fifth year students
- 2007: Intradisciplinary course for diagnosis and treatment planning for sixth year students

## List of Publications

November 2009

### Chapters in collections:

1. Weiss EI, Rosenberg M, Judes H and Rosenberg E  
**Cell surface hydrophobicity and adherence to surfaces with special reference to oral bacteria**  
In: *Microbial Enhanced Oil Recovery*, J.E. Zajic, D.G. Cooper, T.R. Jack and N. Kosaric (Eds), Penn Well, Tulsa, Oklahoma, 1983 (pp.152-155)
2. Weiss EI  
**Microbiology in dentistry**  
In: *Handbook for Dental Assistants*, D. Kempler (Ed.) Tel Aviv University, 1983 (pp.62-73) (In Hebrew)
3. Rosenberg M, Weiss EI, Bar-Ness R, Feder D and Eli I  
**A novel microbial replica technique for localization of potential cariogenic growth on occlusal tooth surfaces**  
In: *The Borderland Between Caries and Periodontal Disease III*, G. Cimasoni and T. Lehner (Eds) *Editions Medecine et Hygiene*, Geneva, 1986 (pp.185-191)
4. London J, Weiss EI and Kolenbrander PE  
**Adhesins of *Bacteroides loescheii***  
In: *Molecular Mechanisms of Microbial Adhesion*, E.H. Beschey, M. Hook and L.M. Switali (Eds.), Springer-Verlag, New York, 1988 (pp.171-176)
5. Weiss EI, Shenitzki B and Leibuson R  
**Microbial coaggregation in oral cavity**  
In: *Towards anti-adhesion therapy for microbial diseases*, I. Kahan and I. Ofek (eds.), Plenum Press, New York and London, 1996 (pp.233-240)
6. Ilan O, Kozlovsky A, Goldberg S, Weiss EI and Rosenberg M  
**Two-phase mouthwash formulations for treatment of malodor**  
In: *Bad Breath: A Multidisciplinary Approach*, D. Van Steenberghe and M. Rosenberg (eds.), Leuven University Press, Leuven, Belgium, 1996 (pp.265-274)
7. Ganeshkumar N, Hughes CV, Weiss EI  
**Co-aggregation in Dental Plaque Formation**  
In: *Oral Biofilms and Plaque Control*, H.J. Busscher and L.V. Evans (eds.), Harwood Academic Publishers, 1999 (pp. 125-143)

**Articles:**

1. Weiss EI, Gedalia I and Zilberman Y (1977)  
**The effect of topical application with an organic and inorganic fluoride compound on the inhibition of dental plaque in humans**  
Journal of Dental Research. 56:1345-1348
2. Weiss EI, Rosenberg M, Judes H and Rosenberg E (1982)  
**Cell surface hydrophobicity of adherent oral bacteria**  
Current Microbiology. 7:125-128
3. Eli I, Weiss EI, Liberman R and Judes H (1983)  
**Composite restorations - shortcomings and limitations**  
New York State Journal of Dentistry. 53:151-157
4. Imbar S, Weiss EI, Judes H and Eli I (1983)  
**Conservative replacement methods for missing teeth - Part I: Anterior teeth**  
Dental Medicine. 1:9-12
5. Rosenberg M, Rosenberg E, Judes H and Weiss EI (1983)  
**Bacterial adherence to hydrocarbons and to surfaces in the oral cavity**  
FEMS Microbiology Letters. 20:1-5
6. Rosenberg M, Judes H and Weiss EI (1983)  
**Desorption of adherent bacteria from a solid hydrophobic surface by oil**  
Journal of Microbiological Methods. 1:239-244
7. Rosenberg M, Judes H and Weiss EI (1983)  
**Cell surface hydrophobicity of dental plaque micro-organisms in situ**  
Infection and Immunity. 42:831-834
8. Weiss EI, Eli I, Serebro L and Judes H (1984)  
**An anatomic wedge for posterior tooth restoration**  
Quintessence International. 14:1217-1222
9. Eli I, Weiss EI, Levy N, Imbar S and Judes H (1984)  
**Conservative replacement methods for missing teeth - Part II: Posterior teeth**  
Dental Medicine. 2:10-13
10. Liberman R, Eli I, Weiss EI, Serebro L and Judes H (1984)  
**Methods of controlling microleakage in composite resin restorations**  
Israel Journal of Dental Sciences. 1:101-103

11. Eli I, Levi N, Serebro L, Judes H and Weiss EI (1984)  
**Marginal adaption of proximal restoration**  
Israel Journal of Dental Sciences. 1:107-109
12. Weiss EI, Judes H and Rosenberg M (1985)  
**Adherence of non-oral hydrophobic bacterium to the human tooth surface**  
Dental Medicine. 3:11-14
13. Rosenberg M and Weiss EI (1986)  
**The Quadloop - A novel device for plating and streaking microbial samples**  
Journal of Microbiological Methods. 5:283-287
14. Eli I, Weiss EI, Littner MM and Drutman M (1986)  
**Sequentially light-cured resins - Strength of bond between layers**  
Journal of Prosthetic Dentistry. 56:158-161
15. Askenazi S, Weiss EI and Drucker M (1986)  
**Bacterial adherence to intravenous catheters and needles and its influence by cannula type and bacterial surface hydrophobicity**  
Journal of Laboratory and Clinical Medicine. 107:136-140
16. Weiss EI, London J, Kolenbrander PE, Kagermeir AS and Anderson RN (1987)  
**Characterization of lectin-like surface components on *Campylobacter jejuni* ATCC 33596 that mediate coaggregation with gram positive oral bacteria**  
Infection and Immunity. 55:1198-1202.
17. Weiss EI, Kolenbrander PE, London J, Hand AR and Anderson RN (1987)  
**Fimbria-associated proteins of *Bacteroides loescheii* PK1295 mediate intergeneric coaggregation**  
Journal of Bacteriology. 169:4215-4222
18. Rosenberg M, Weiss EI and Eli I (1988)  
**A novel replica technique for localization of caries associated bacteria on tooth surfaces: Development and initial experience**  
Caries Research. 22:42-44
19. Weiss EI, London J, Kolenbrander PE, Anderson RN, Fischler C and Siraganian RP (1988)  
**Characterization of monoclonal antibodies to fimbrial-associated adhesins of *Bacteroides loescheii***  
Infection and Immunity. 56:219-224

20. Weiss EI, London J, Kolenbrander PE, Hand AR and Siraganian RP (1988)  
**Localization and enumeration of fimbrial-associated adhesins of Bacteroides loescheii**  
Journal of Bacteriology.170:1123-1128
21. Fitzig S, Weiss EI, Helft M, and Metzger Z (1988)  
**A gingival guard for crown preparation**  
Journal of Prosthetic Dentistry. 59:158-160
22. Neckers LM, Tsuda H, Weiss EI and Pluznik DH (1988)  
**Differential expression of c-myc and transferrin receptor in G1 synchronized M1 myeloid leukemia cells**  
Journal of Cell Physiology.135(2):339-344
23. Rosenberg M, Tal M, Weiss EI and Guendelman S (1989)  
**Adhesion of non-coccal dental plaque micro-organisms to buccal epithelial cells: Inhibition by saliva and amphipathic agents**  
Microbial Ecology in Health and Disease. 2:197-202
24. Weiss EI, London J, Kolenbrander PE and Anderson RN (1989)  
**Fimbria-associated adhesin of Bacteroides loescheii that recognizes receptors on procaryotic and eucaryotic cells**  
Infection and Immunity. 57:2912-2913
25. London J, Hand A., Weiss EI and Allen J (1989)  
**Cells of Bacteroides loescheii PK1295 express two distinct adhesions simultaneously**  
Infection and Immunity. 57:3940-3944
26. Weiss EI, Eli I, Sheniztki B and Smorodinsky N (1990)  
**Identification of the rhamnase-sensitive adhesin of Capnocytophaga ochracea ATCC 33596**  
Archs Oral Biology. 35 Suppl:127-130
27. Eli I, Weiss EI, Kozlovsky A and Levi N (1991)  
**Wedges in restorative dentistry: Principles and implementations**  
Journal of Oral Rehabilitation.18:257-264
28. Zwickel J, Weiss EI and Schejter A (1992)  
**Degradation of native human hemoglobin following hemolysis by Preveotella loeschii**  
Infection and Immununity. 60:1721-1723

29. Kahana H, Grunberg J, Bartov Y, Perry R, Smorodinsky N, Boldur I, Weiss EI and Goldhar J (1994)  
**Binding of Escherichia coli recognizing N-blood group antigen to the erythroleukemic cell line K562 expressing glycophorin A**  
Immunology & Infectious Disease. 4:161-165
30. Eli I, Cooper (Brill) Y Ben-Amar A and Weiss EI (1995)  
**Antibacterial activity of three dental liners**  
Journal of Prosthodontics. 4:168-182
31. Weiss EI, Shalhav M and Fuss Z (1996)  
**Assessment of antibacterial activity of endodontic sealers by a direct contact test**  
Endodontic Dental Traumatology. 12:179-184
32. Eli I, Weiss EI, Tzohar A, Littner MM, Gelerenter I. and Kaffe I. (1996)  
**Interpretation of bitewing radiographs. Part I. Evaluation of the presence of approximal lesions**  
Journal of Dentistry. 24:379-383
33. Weiss EI, Tzohar A, Kaffe I, Littner MM, Gelerenter I and Eli I (1996)  
**Interpretation of bitewing radiographs. Part II. Evaluation of the size of approximal lesions and need for treatment**  
Journal of Dentistry. 24:385-388  
*Selected for publication in YEARBOOK OF DENTISTRY 1998*
34. Shalhav M, Fuss Z and Weiss EI (1997)  
**In vitro antibacterial activity of glass ionomer endodontic sealer**  
Journal of Endodontics. 23:616-619
35. Shanitzki B, Hurwitz D, Smorodinsky N, Ganeshkumar N and Weiss EI (1997)  
**Identification of Fusobacterium nucleatum PK 1594 galactose-binding adhesin which mediates coaggregation with periopathogenic bacteria and hemagglutination**  
Infection and Immunity. 65:5231-5237
36. Fuss Z, Weiss EI and Shalhav M (1997)  
**Antibacterial activity of calcium hydroxide-containing endodontic sealers on Enterococcus faecalis in vitro**  
International Endodontic Journal. 30:397-402



37. Shaniztki B, Ganeshkumar N and Weiss EI (1998)  
**Characterization of a novel Fusobacterium nucleatum PK 1594 adhesin by monoclonal antibodies**  
Oral Microbiology and Immunology. 13:47-50
38. Weiss EI, Lev-Dor R, Kashamn Y, Goldhar J, Sharon N and Ofek I (1998)  
**Inhibiting interspecies coaggregation of plaque bacteria with a cranberry juice constituent**  
Journal of American Dental Association. 129:1719-1723
39. Gross M, Abramovich I and Weiss EI (1999)  
**Microleakage at the abutment-implant interface of osseointegrated implants: a comparative study**  
The International Journal of Oral and Maxillofacial Implants. 14:94-100. 1.420;12/49;8;8  
*Selected for publication in YEARBOOK OF DENTISTRY 2000*
40. Mass E, Eli I, Lev-Dor T, Weiss EI (1999)  
**Continuous effect of pit and fissure on S. mutans presence in situ**  
Pediatr Dent. 21:164-168
41. Gross M, Laufer B, Kocak D, Weiss EI (1999)  
**Manual closing torque in five implant systems: an in vitro comparative study**  
J Prosthet Dent. 81: 574-578
42. Weiss EI, Kozak D, Gross M (2000)  
**The effect of repeated closures on opening torque values in seven abutment-implant systems**  
J Prosthet Dent. 84:194-199
43. Geiger S, Gulayev S, Weiss EI (2000)  
**Improving fissure sealant quality: mechanical preparation and filling level**  
J Dent. 28:407-412
44. Fuss Z, Charniaque O, Pilo R, Weiss EI (2000)  
**Effect of various mixing ratios on antibacterial properties and hardness of endodontic sealers**  
J Endod. 26:519-522

45. Weiss EI, Shanitzki B, Ganeshkumar N, Dotan M, Metzger Z (2000)  
**Attachment of Fusobacterium nucleatum PK1594 to mammalian cells and its coaggregation with periopathogenic bacteria are mediated by the same galactose-binding adhesin**  
Oral Microbiol Immunol. 15(6):371-377
46. Burger O, Ofek I, Tabak M, Weiss EI, Sharon N, Neeman I (2000)  
**A high molecular weight constituent of cranberry juice inhibits Helicobacter Pylori adhesion to human gastric mucus**  
FEMS Immunol Med Microbiol. 29(4):295-301
47. Assoulin LS, Fuss Z, Mazor Y, Weiss EI (2001)  
**Bacterial penetration and proliferation in root canal dentinal tubules after applying dentin adhesives in vitro**  
J Endod. 27(6):398-400
48. Fuss Z, Mizrahi A, Lin S, Cherniek O, Weiss EI (2002)  
**A laboratory study of the effect of calcium hydroxide mixed with iodine or electrophoretically activated copper on bacterial viability in dentinal tubules - In Vitro**  
Int Endod J. 35(6):522-526
49. Samet N, Smidt A, Samet N, Weiss EI (2002)  
**A clinical and cost-benefit evaluation of five facebows**  
Quintessence Int. 33(7):511-5
50. Weiss EI, Lev-Dor R, Sharon N, Ofek I (2002)  
**Inhibitory effect of a high-molecular-weight constituent of cranberry on adhesion of oral bacteria**  
Crit Rev Food Sci Nutr. 42(3 Suppl):285-92
51. Burger O, Weiss EI, Sharon N, Tabak M, Neeman I, Ofek I (2002)  
**Inhibition of Helicobacter pylori adhesion to human gastric mucus by a high-molecular-weight constituent of cranberry juice**  
Crit Rev Food Sci Nutr. 42(3 Suppl):279-84
52. Weiss EI, Feuerstein O (2002)  
**Image-guided navigational implantology**  
Pract Proced Aesthet Dent. 14(3):242

53. Matalon S, Slutzky H, Mazor Y, Weiss EI (2003)  
Surface antibacterial properties of fissure sealants  
Pediatr Dent. 25(1):43-8
54. Lin S, Zuckerman O, Weiss EI, Mazor Y, Fuss Z (2003)  
**Antibacterial efficacy of a new chlorhexidine slow Release Device to disinfect dentinal tubules**  
J Endod. 29:416-18
55. Lin S, Levin L, Peled M, Weiss EI, Fuss Z (2003)  
**Reduction of viable bacteria in dentinal tubules treated with clindamycin or tetracycline**  
Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 96(6):751-6
56. Bichacho N, Eylat Y, Dadi M, Jacoby Y, Weiss E (2003)  
**Restoration modalities of severely injured anterior teeth-gingival integration, papillae support, and predictable imperfections**  
Compend Contin Educ Dent. 24(12):891-4, 896-8, 900-4; quiz 906
57. Matalon S, Slutzky H, Weiss EI (2004)  
**Surface Antibacterial Properties of Packable Composites Resin: Part I**  
Quintessence Int. 35:189-193
58. Weiss EI, Kozlovsky A, Steinberg D, Lev-Dor R, Bar Ness Greenstein, Feldman M, Sharon N, Ofek I (2004)  
**A high molecular weight cranberry constituent reduces mutans streptococci level in saliva and inhibits in vitro adhesion to hydroxyapatite**  
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**Effect of a High Molecular Weight Component of Cranberry on Constituents of Dental Biofilm**  
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**The Effect of Mild Increase in Temperature on Tooth Bleaching**  
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**Cranberry juice constituents impair lymphoma growth and augment the generation of anti-lymphoma antibodies in syngeneic mice**  
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**Antibacterial properties of four endodontic sealers**  
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**Potential oral health benefits of cranberry**  
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**Surface antimicrobial activity and biocompatibility of incorporated polyethylenimine nanoparticles**  
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**Surface characterization and biocompatibility of restorative resin containing nanoparticles**  
Biomacromolecules Nov;9(11):3044-50
94. Metzger Z, Blasbalg J, Dotan M, Tsesis I, Weiss EI (2009)  
**Characterization of Coaggregation of Fusobacterium nucleatum PK1594 with Six Porphyromonas gingivalis Strains**  
J Endod 35(1):50-4
95. Metzger Z, Blasbalg J, Dotan M, Weiss EI (2009)  
**Enhanced attachment of porphyromonas gingivalis to human fibroblasts mediated by Fusobacterium nucleatum**  
J Endod 35(1):82-5



96. Ormianer Z, Feuerstein O, Assad R, Samet N, Weiss EI (2009)  
**In vivo changes in dental implant temperatures during hot beverage intake: a pilot study**  
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97. Feldman M, Weiss EI, Shemesh M, Ofek I, Bachrach G, Rozen R, Steinberg D (2009)  
**Cranberry constituents affect fructosyltransferase expression in Streptococcus mutans**  
Altern Ther Health Med. Mar-Apr;15(2):32-8
98. Matalon S, Weiss EI (2009)  
**Antibacterial properties of pit and fissure sealants combined with daily fluoride mouth rinse**  
Pediatric Dentistry. Accepted for publication
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**Mouse Model of Experimental Periodontitis Induced by P. gingivalis/F. nucleatum Infection: Bone Loss and Host Response**  
J Clin Periodontol. May;36(5):406-10
100. Polak D, Wilensky A, Shapira L, Weiss EI, Hour-Haddad Y (2009)  
**Immunization of mice with P. gingivalis or F. nucleatum modulates the inflammatory response, but fails to prevent experimental periodontitis**  
J Clin Periodontol. Accepted for publication
101. Yudovin-Farber I, Beyth N, Weiss EI, Domb AJ (2009)  
**Antibacterial effect of composite resins containing quaternary ammonium polyethyleneimine nanoparticles**  
J Nanopart Res. DOI 10.1007/s11051-009-9628-8
102. Matalon S, Weiss EI, Gorfil C, Noy D, Slutzky H (2009)  
**In vitro antibacterial evaluation of flowable restorative materials**  
Quintessence Int. Apr;40(4):327-32
103. Feldman M, Weiss EI, Ofek I, Steinberg D. (2009)  
**Interference of Cranberry Constituents in Cell-Cell Signaling System of Vibrio harveyi**  
Curr Microbiol. Oct;59(4):469-74



## Participation in Scientific Conferences, Lectures and Other Activity

### Invited Lectures:

- 1990: Annual meeting of the Israel Association of Microbiology, Jerusalem, Israel  
**Identification of a rhamnose-sensitive membrane associated adhesin of *C. ochracea***
- 1992: Bi-national workshop South Africa-Israel on Research Trends in Dental Sciences, Kiriyat Anavim, Israel  
**Coaggregation of plaque microorganisms**
- 1994: Interdisciplinary day on: Communication and regulation of microorganisms, Tel Aviv University, Tel Aviv, Israel  
**The human mouth: A unique ecological niche for the study of microbial cell-cell interactions**
- 1996: Bat-Sheva seminar: Toward anti-adhesin therapy of microbial diseases, Zichron Yaakov, Israel  
**Microbial coaggregation in the oral cavity**
- 1996: International Union of Microbiological Sciences: 8th International Congress of Bacteriology and Applied Microbiology Division, Jerusalem, Israel  
**Reaggregation of dental plaque**
- 1997: Focus on the Future; The Next Generation: Joint Scientific Meeting of the Israel Dental Association and School of Dental Medicine, Tel Aviv University, Tel Aviv, Israel  
**MMKS- A conservative method for treating periodontally involved dentition**
- 1998: The First Symposium of the Institute on Molecular Genetics of Bacterial Pathogenesis, Ramot, Israel  
**Multiple adhesins of *Fusobacterium nucleatum*: Role in dental plaque maturation and periodontal diseases**
- 2000: Romanian – Israeli workshop on medical and stomatologic teaching, Iasi, Romania  
**Research at Tel-Aviv university and latest clinical developments –How much we can teach our undergraduate students**

- 2002: The esthetics of the Face, Israeli Society of Dermatological Surgery  
**The Smile – A Dental Perspective**
- 2003: **Esthodontics in Modern Dentistry**, Key-note speaker  
Annual Meeting of the Turkish Dental Association, Antalya, Turkey
- 2003: **Prosthetic treatment modalities of patients with advanced periodontitis**  
**Course**  
Annual Meeting of the Turkish Dental Association, Antalya, Turkey
- 2003: **A Colloquium on Navigational Dentistry in Teaching and Patient Care**  
The International Center of Navigational Dentistry ICOND, Hong-Kong
- 2004: **Immediate Implants as Treatment Modality for Endodontic Failures**  
Israel Association of Endodontics
- 2004: FDI International Congress De Stomatologie, Romania  
Key-note speaker
- 2004: **Cranberry – its role in disease prevention**  
Royal Society of Medicine in London, England
- 2005: International Congress in Oral Implantology, Bucarest, Romania
- 2005: 2nd International Meeting of the Israeli Association of Oral Implantology,  
Eilat, Israel
- 2006: Israeli Association of Oral Implantology, Herzlia, Israel
- 2007: Alpha Omega Lyon Branch, Lyon, France
- 2007: 18th Annual Meeting of the Israel Dental Hygienist Association,  
Tel-Aviv, Israel
- 2007: **Risk Assessment in implant treatment modality**  
3rd international Conference, The Israeli Association of Oral Implantology,  
Eilat, Israel
- 2007: יום עיון, איגוד שיקום הפה – איגוד אנדו – הממשק מבנה טיפול שורש: בהווה ובעתיד
- 2007: גישה עכשווית לטיפול בעששת – הטיפול הרפואי, כנס משרד הבריאות
- 2008: **Face and lips as frame for teeth**  
2nd annual congress of the Israel Society of Esthetic Medicine,  
Herzliya, Israel

- 2009: **Caries Management By Risk Assessment (CAMBRA) - part I. Theory and practice: Scientific and clinical bases**  
Minimum Intervention - A new model for an approach to dental patients,  
University of Rome, Italy
- 2009: **Improving success in complex implant supported rehabilitation: Case selection and risk management approach**  
Alpha Omega – The Israeli Experience, Alpha Omega London Chapter, UK
- 2009: **Oseointegratin Dental Implant Symposium**  
XXIV Congress Venezuelan of Oral and Maxillofacial Surgery, Venezuela
- 2009: **Success of complex implant supported oral rehabilitation**  
1st scientific meeting in Regeneration – News and Updates,  
Jerusalem, Israel

**Paper Presented at Scientific Meetings:**

- 1982: Annual meeting of the Israel Society for Microbiology, Jerusalem  
E. I. Weiss, M. Rosenberg, H. Judes and E. Rosenberg  
**Cell surface hydrophobicity of adherent oral bacteria**  
Abstract: Israel Journal of Medical Science Vol.18, 1982, p 6
- 1982: International meeting of the Israel Dental Association, Tel Aviv  
E. I. Weiss, M. Rosenberg, H. Judes and E. Rosenberg  
**Adherence of bacteria to the tooth surface**
- 1982: Annual scientific meeting of the Israel Dental Association, Tel Aviv  
I. Eli, R. Liberman, E. I. Weiss and H. Judes  
**Common disadvantages of composite resin restorations - facts and improvements**
- 1982: Annual scientific meeting of the Israel Dental Association, Tel Aviv  
E. I. Weiss, S. Imber, I. Eli and H. Judes  
**Conservative methods for replacing missing teeth**
- 1982: Annual scientific meeting of the Israel Dental Association, Tel Aviv  
L. Serebro, E. I. Weiss, I. Eli and H. Judes  
**Some aspects of correct wedging in proximal restorations**

- 1983: Annual scientific meeting of the Israel Dental Association, Tel Aviv  
R. Abend, E. I. Weiss, H. Judes and M. Rosenberg  
**A simple method of measurement of biological debris removed from the oral cavity following swishing with oil**
- 1983: Annual scientific meeting of the Israel Dental Association, Tel Aviv  
M. Tal, E. I. Weiss, H. Judes and M. Rosenberg  
**Adherence of plaque micro-organisms to human buccal epithelial cells**
- 1983: Annual meeting of the Israeli Society for Microbiology, Beer Sheva  
E. I. Weiss and M. Rosenberg  
**Do hydrophobic interactions mediate bacterial adherence to teeth?**
- 1984: Annual meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv  
M. Tal, E. I. Weiss, H. Judes and M. Rosenberg  
**Adherence of dispersed plaque bacteria to buccal epithelial cells**  
Abstract: Journal of Dental Research Vol. 63, 1984, p 547, No. 17
- 1985: Gordon Research Conference on Periodontal Disease, Plymouth, New Hampshire, USA  
E. I. Weiss, P.E. Kolenbrander and J. London  
**Isolation and characterization of coaggregation defective mutants of Bacteroides loescheii and Capnocytophaga ochracea**
- 1985: Annual meeting of the Israel Division of the International Association for Dental Research, Tel Aviv  
M. Drutman, I. Eli, E.I. Weiss, M. Littner  
**Strength of bond between sequentially light cured layers of composite resins: An in vitro study**  
Abstract: Journal of Dental Research Vol. 64, p 733, No. 4
- 1986: International Conference on Borderland between Caries and Periodontal Disease, Geneva, Switzerland  
I. Eli, E. I. Weiss, R. Bar-Ness, D. Feder and M. Rosenberg  
**A novel replica system for localization of carious and precarious microbial growth on the tooth surface**

- 1986: Annual meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv  
M. Rosenberg, E. I. Weiss, R. Bar-Ness, D. Feder and I. Eli  
**A novel replica system for localization of carious and precarious microbial growth**  
Abstract: Journal of Dental Research Vol 65, p 574, No.15
- 1986: 69th Annual meeting of the International Association for Dental Research, The Hague, Holland  
M. Rosenberg, E. I. Weiss, R. Bar-Ness, D. Fedor and I. Eli  
**A novel replica system for localization of carious and precarious microbial growth on occlusal surfaces**  
Abstract: Journal of Dental Research Vol. 65, p 844
- 1986: 69th Annual meeting of the International Association for Dental Research, The Hague, Holland  
E. I. Weiss, J. London, P. Kolenbrander, A. Hand and R. Anderson  
**Bacteroides loescheii fimbria mediate coaggregation with gram positive oral bacteria**  
Abstract: Journal of Dental Research Vol. 65, p 817
- 1986: World Dental Conference, Jerusalem  
M. Rosenberg, E. I. Weiss, R. Bar-Ness, D. Feder and I. Eli  
**A novel replica system for localization of carious and precarious microbial growth on tooth surfaces**
- 1986: Annual meeting of the American Association for Dental Research, Washington, D.C., USA  
E. I. Weiss, P.E. Kolenbrander, J. London and R. N. Anderson  
**Surface components of Capnocytophaga ochracea 25 mediating intergeneric Coaggregation**  
Abstract: Journal of Dental Research Vol. 65, p 204, No. 308
- 1986: Annual meeting of the American Society for Microbiology, Washington, D.C., USA  
E. I. Weiss, J. London, P. Kolenbrander, and R. Anderson  
**Isolation of surface structure from Bacteroides loescheii that aggregates two species of gram positive oral bacteria**  
Abstracts of the Annual Meetings of the American Society for Microbiology:  
No. D 180, 1986

- 1987: Third European Congress of Clinical Microbiology, The Hague, Netherlands  
M. Rosenberg, M. Shaharabany, S. Portnoy, E. I. Weiss and I. Eli  
**A novel technique for detecting microbial growth associated with dental caries**
- 1987: Gordon Conference on Molecular Basis of Microbial Adhesion, Salve Regina College, Newport, Rhode Island, USA  
E. I. Weiss, J. London, and P.E. Kolenbrander  
**Adhesions of Bacteroides loescheii which mediate attachment to procaryotic and encaryotic cells**
- 1987: Gordon Conference on Molecular Basis of Microbial Adhesion, Salve Regina College, Newport, Rhode Island, USA  
I. Eli, E. I. Weiss and M. Rosenberg  
**Microbial adhesion as a basis for caries diagnostic assay**
- 1987: Annual meeting of the American Society for Microbiology, Atlanta, Georgia, USA  
E. I. Weiss, P.E. Kolenbrander, J. London and R. Siraganian  
**Use of monoclonal antibodies to identify Bacteroides loescheii fimbrial proteins that mediate coaggregation**  
Abstracts of the Annual Meetings of the American Society for Microbiology:  
No. D 182, 1987
- 1987: Annual meeting of the American Society for Microbiology, Atlanta, Georgia, USA  
E. I. Weiss, J. London P.E. Kolenbrander and A. Kagemeier  
**Inhibition of coaggregation between three species of Capnocyphage and gram-positive oral bacteria by simple sugars**  
Abstracts of the Annual Meetings of the American Society for Microbiology:  
No. D 183, 1987
- 1988: Annual meeting of the Israeli Division of the International Association for Dental Research, Herzliya  
E. I. Weiss, J. London and P. Kolenbrander  
**Lectin-like interactions between Capnocytophaga and gram-positive oral bacteria**  
Abstract: Journal of Dental Research Vol. 67 p 712, No. 7

- 1988: Annual meeting of the Israel Society for Microbiology, Tel Aviv  
E. I. Weiss, J. London and P. Kolenbrander  
**Characterization of monoclonal antibodies to fimbria-associated adhesins of *Bacteroides loecheii* PK1295**
- 1988: Conference on the Molecular Mechanisms of Microbial Adhesion, Gulf Shores, Alabama, USA  
E. I. Weiss, J. London and P. Kolenbrander  
**Adhesins of *Bacteroides loecheii***
- 1988: Annual meeting of the American Society for Microbiology, Miami Beach, Florida, USA  
E. I. Weiss, J. London P. Kolenbrander, A.Hand, R. Siraganian and R. Anderson  
**Surface localization and number of coaggregation mediating adhesins on *Bacteroides loecheii***  
Abstracts of the Annual Meetings of the American Society for Microbiology: No. D 155, 1988
- 1988: Annual meeting of the European Society for Caries Research, Angers, France  
M. Rosenberg, E. I. Weiss, R. Bar-Ness, S. Pornoy and I. Eli  
**A novel system for locating caries-associated bacterial growth on tooth surfaces**
- 1989: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem  
I. Eli, E. I. Weiss, B. Shenitzki and N. Smorodinski  
**Identification of cell-surface adhesin of *Capnocytophaga ochracea* by monoclonal antibodies**  
Abstract: Journal of Dental Research Vol. 68 p 657, No.11
- 1989: FEMS Workshop on Microbial Surface Components and Toxins in Relation to Pathogenesis, Mitzpeh Rachel  
I. Eli, E. I. Weiss, B. Shenitzki and N. Smorodinsky  
**Identification of *C. ochracea* adhesin which mediate coaggregation with gram positive bacteria**



- 1989: 89th Annual meeting of the American Society for Microbiology, New Orleans, LA, USA  
E. I. Weiss, I. Eli, N. Smorodinsky and B. Shenitzki  
**Isolation of monoclonal antibodies specific for three adhesins of Capnocytophaga**  
Abstracts of the Annual Meetings of the American Society for Microbiology: Vol. 69, p 115, No. D 195
- 1990: IADR/AADR Conference, Cincinnati, Ohio, USA  
E. I. Weiss, I. Eli, B. Shanitzki and N. Smorodinsky  
**Identification of rhamnose-sensitive adhesin of Capnocytophaga ochracea by monoclonal antibodies**  
Abstract: Journal of Dental Research Vol. 69, p 269, No. 1282, SI
- 1990: Borderland between Caries and Periodontal Disease, 4th European Symposium, Geneva, Switzerland  
E. I. Weiss, I. Eli, B. Shenitzki and N. Smorodinsky  
**Identification of the rhamnose-sensitive adhesin on the surface of C. ochracea**
- 1990: Israeli Association of Microbiology, annual meeting, Jerusalem, Israel  
E. I. Weiss, I. Eli, B. Shenitzki and N. Smorodinsky  
**Identification of the rhamnose-sensitive membrane associated adhesin of C. ochracea**
- 1991: IADR/AADR Conference, Acapulco, Mexico  
R. N. Andersen, P. Kolenbrander, C. V. Hughes and E. I. Weiss  
**Functional relatedness of coaggregation mediators from seven species of oral bacteria**  
Abstract: Journal of Dental Research Vol. 70, p 317, No. 411, SI
- 1993: IADR/AADR Conference, Chicago, Illinois, USA  
E. I. Weiss, B. Shanitzki, Y. Goldhar and D. Vilch  
**Characterization of Capnocytophaga ochracea adhesin using monoclonal antibodies**  
Abstract: Journal of Dental Research Vol. 72, p 356, No. 2020, SI



- 1994: IADR Conference, Seattle, Washington, USA  
E. I. Weiss, M. Dotan, Z. Metzger, P. Kolenbrander, and N. Ganeshkumar  
**Adherence of *F. nucleatum* to mammalian cells and to periopathogenic bacteria involve similar mechanisms**  
Abstract: Journal of Dental Research Vol. 73, p 347, No. 1962, SI
- 1995: Israel Society of Microbiology Conference, Haifa, Israel  
B. Shanitzki, D. Hurwitz, N. Smorodinsky and E. I. Weiss  
**Identification of *F. nucleatum* PK1594 adhesin that mediates coaggregation with *P. gingivalis* PK1924**
- 1995: Annual meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv, Israel  
B. Shanitzki, D. Hurwitz, N. Smorodinsky, N. Ganeshkumar and E. I. Weiss  
**Characterization of *F. nucleatum* PK1594 adhesins by monoclonal antibodies and simple sugars**  
Abstract: Journal of Dental Research Vol. 74 (3), p 962, No. 63
- 1995: IADR/AADR Conference, Singapore  
B. Shanitzki, D. Hurwitz, N. Smorodinsky, N. Ganeshkumar and E. I. Weiss  
**Identification of *F. nucleatum* PK1594 adhesin that mediates coaggregation with *P. gingivalis* PK1924**  
Abstract: Journal of Dental Research Vol. 74, p 407, No. 50, SI
- 1996: IADR/AADR Conference, San Francisco, CA, USA  
R. Leibusor, E. I. Weiss and I. Ofek  
**Cranberry juice inhibits coaggregation of oral bacteria**  
Abstract: Journal of Dental Research Vol. 75, p 208, No. 1527, SI
- 1996: Annual meeting of the Israeli Division of the International Association for Dental Research, Kiryat Anavim, Israel  
B. Shanitzki and E. I. Weiss  
**Isolation of *F. nucleatum* PK1594 adhesin which mediates coaggregation with periodontal pathogens**  
Abstract: Journal of Dental Research Vol. 75 (5), p 1248, No. 9

- 1996: Annual meeting of the Israeli Division of the International Association for Dental Research, Kiryat Anavim, Israel  
H. Danieli, S. Cohen and E. I. Weiss  
**Comparison of four diagnostic systems to detect pit and fissure occlusal caries in Children**  
Abstract: Journal of Dental Research Vol. 75 (5), p 1254, No. 59
- 1997: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
M. J. Marouni, B. Shanitzki and E. I. Weiss  
**Mannose-sensitive adhesin of F. nucleatum mediates coaggregation with Candida spp.**  
Abstract: Journal of Dental Research Vol. 76 (5), p 1160, No. 6
- 1997: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
M. Gross, B. Laufer, D. Kozak and E. I. Weiss  
**Manual closing torque in five implant systems: An in vitro comparative study**  
Abstract: Journal of Dental Research Vol. 76 (5), p 1163, No. 29
- 1997: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
I. Abramovitch, M. Gross and E. I. Weiss  
**A comparative microleakage study of five implant-abutment systems**  
Abstract: Journal of Dental Research Vol. 76 (5), p 1164, No. 33
- 1998: 4th Congress of European Academy of Pediatric Dentistry, Porto Crevo, Sardinia, Italy  
E. Mass, I. Eli, B. Lev-Dor-Samovici, E.I. Weiss  
**The effect of pit and fissure sealing on S. mutans presence in situ**  
Abstract: Italian Journal of Pediatric Dentistry Vol. 1, p 45
- 1999: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
I. Burstein, I. Abramovitz, M. Gross, E.I. Weiss  
**Bacterial leakage at the abutment/implant interface: a comparative in vitro study**  
Abstract: Journal of Dental Research Vol. 78 (5), p 1101, No. 31

- 1999: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
Z. Fuss, O. Chrnique, R. Pilo and E. I. Weiss  
**Antibacterial activity of endodontic sealers mixed to different consistencies**  
Abstract: Journal of Dental Research Vol. 78 (5), p 1099, No. 13
- 1999: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
E. I. Weiss, S. Gulayev and S. Geiger  
**Improving the quality of fissure sealants**  
Abstract: Journal of Dental Research Vol. 78 (5), p 1104, No. 50
- 2000: IADR/AADR Conference, Washington DC, USA  
R.L. Lev-Dor, I. Ofek, M. Dotan, Z. Metzger, E.I. Weiss  
**A high-molecular-weight cranberry constituent inhibits microbial adherence to buccal epithelial cells and supragingival plaque**  
Abstract: Journal of Dental Research Vol. 78 (5), p 1104, No. 50
- 2000: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
R.L. Lev-Dor, E.I. Weiss, I. Ofek  
**A high-molecular-weight cranberry constituent inhibits Candida adherence to buccal epithelial cells and coaggregation with F. nucleatum**  
Abstract: Journal of Dental Research Vol. 80 (4), p 1311, No. 19
- 2000: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
S. Matalon, E.I. Weiss  
**Measuring antibacterial properties of the surface of six packable composite resins**  
Abstract: Journal of Dental Research Vol. 80 (4), p 1312, No. 32
- 2000: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
S. Matalon, H. Slutzky, E.I. Weiss  
**Measuring antibacterial properties the surface of of six single-bottle bonding agents**  
Abstract: Journal of Dental Research Vol. 80 (4), p 1313, No. 33

- 2000: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
I. Burstein, I Abramovitz, M. Gross Matalon, E.I. Weiss  
**Bacterial penteration and biofilm formation inside dental implants**  
Abstract: Journal of Dental Research Vol. 80 (4), p 1313, No. 37
- 2000: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya, Israel  
J. Blasbalg, M. Dotan, E.I. Weiss, Z. Metzger  
**Coaggregation between Porphyromonas gingivalis and Fusobacterium nucleatum as a mechanism of their attachment to fibroblasts in vitro**  
Abstract: Journal of Dental Research Vol. 80 (4), p 1313, No. 48
- 2001: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
A. Shuster, S. Matalon, M Gordon, E.I. Weiss  
**Evaluating antibacterial properties of solid propolis extracts**  
Abstract: Journal of Dental Research Vol. 81 (Spec Iss B), p B-304, No. 4
- 2001: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
Z. Fuss, A. Mizrachi, S. Lin, O. Charniaque, E.I. Weiss  
**In vitro reduction of viable bacteria in root-canal tubules following treatment with calcium hydroxide mixed with iodine or copper**  
Abstract: Journal of Dental Research Vol. 81 (Spec Iss B), p B-306, No. 22
- 2001: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Lin, L. Levin, E.I. Weiss, O. Zukerman, Z. Fuss  
**In vitro reduction of viable bacteria in root-canal tubules following treatment with clindamycin**  
Abstract: Journal of Dental Research Vol. 81 (Spec Iss B), p B-307, No. 27
- 2001: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Lin, Z. Fuss, Y. Mazor, E.I. Weiss  
**Bacterial penetration and poliferation in root-canal dentinal tubules after applying dentin adhesives in vitro**  
Abstract: Journal of Dental Research Vol. 81 (Spec Iss B), p B-307, No. 28

- 2001: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Matalon, H. Slutzky, E.I. Weiss  
**Surface antibacterial properties of four fissure sealant materials**  
Abstract: Journal of Dental Research Vol. 81 (Spec Iss B), p B-311, No. 58
- 2002: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Matalon, E.I. Weiss, I. Lewinstein, S. Slutzky  
**Antibacterial property of three permanent cements**  
Abstract: Journal of Dental Research Vol. 82 (Spec Iss C), p C-377, No. 42
- 2002: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Matalon, H. Slutzky, E.I. Weiss  
**Antibacterial surface properties of four orthodontic cements**  
Abstract: Journal of Dental Research Vol. 82 (Spec Iss C), p C-378, No. 43
- 2002: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
Z. Fuss, I. Tsesis, S. Lin, O. Zuckerman, E.I. Weiss  
**Dentinal pH changes following electrophoretically activated calcium hydroxide ions in root canal space**  
Abstract: Journal of Dental Research Vol. 82 (Spec Iss C), p C-380, No. 56
- 2002: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Lin, O. Zuckerman, E.I. Weiss, Z. Fuss  
**Evaluation of a new chlorhexidine slow release device in disinfecting dentinal Tubules**  
Abstract: Journal of Dental Research Vol. 82 (Spec Iss C), p C-380, No. 57
- 2002: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel  
S. Lin, L. Levin, E.I. Weiss, Z. Fuss  
**Antibacterial efficacy of new slow release device in vitro**  
Abstract: Journal of Dental Research Vol. 82 (Spec Iss C), p C-380, No. 58

- 2003: Sixteenth International Conference on Antiviral Research, Savannah, GA, USA  
M. Schlesinger, E.I. Weiss, N. Hochman, I. Ofek  
**Effect of cranberry juice constituents on haemagglutination and infectivity of influenza virus**  
Abstract: Antiviral Research Vol. 57(3) p A82, No. 140
- 2004 Annual meeting of the American Association for Dental Research and the Canadian Association for Dental Research, Honolulu, Hawaii, USA  
O. Feuerstein, N. Presman, E.I. Weiss  
**Phototoxicity of visible light on Porphyromonas gingivalis and Fusobacterium nucleatum**
- 2004: The Joint Meeting of the Continental European, Israeli, and Scandinavian (NOF) Divisions of the IADR, Istanbul, Turkey  
N. Beyth, A. Domb, E. Weiss  
**S.mutans Biofilm Changes the surface of Composite Resins**
- 2004: The Joint Meeting of the Continental European, Israeli, and Scandinavian (NOF) Divisions of the IADR, Istanbul, Turkey  
D. Polak, L. Shapira, A. Halabi, E. Weiss, D. Goldstein, and Y. Huori Hadad  
**Effect of Immunization on the Host Response to P.gingivalis & F.nucleatum Infection**
- 2004: The Joint Meeting of the Continental European, Israeli, and Scandinavian (NOF) Divisions of the IADR, Istanbul, Turkey  
M. Feldman, E. Weiss, I. Ofek, and D. Steinberg  
**Cranberry Constituents Promote Streptococcus sobrinus Detachment from Artificial Biofilm**
- 2004: The Joint Meeting of the Continental European, Israeli, and Scandinavian (NOF) Divisions of the IADR, Istanbul, Turkey  
O. Feuerstein, R. Assad, Z. Ormianer, E.I. Weiss  
**Temperature measurements in dental implants during intake of hot beverages**
- 2004: The Joint Meeting of the Continental European, Israeli, and Scandinavian (NOF) Divisions of the IADR, Istanbul, Turkey  
C. Imbari, O. Feuerstein, N. Samet, E.I. Weiss  
**Oral Temperature Changes Following Intake Of Hot food Or Beverage**

- 2005: The Joint Meeting of the Continental European (CED) and Scandinavian (NOF) Divisions of the IADR, Amsterdam, Netherlands  
S. Matalon, H. Slutzky, E. Weiss, S. Slutzky  
**Surface Antibacterial Properties of Resin and Resin-Modified Cements**
- 2005: The Joint Meeting of the Continental European (CED) and Scandinavian (NOF) Divisions of the IADR, Amsterdam, Netherlands  
S. Matalon, H. Slutzky, E. Weiss, I. Slutzky-Goldberg  
**Antibacterial Properties of Temporary Filling Materials**
- 2005: Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel-Aviv, Israel  
M. Feldman, E. Weiss, M. Shemesh, I. Ofek, D. Steinberg  
**Cranberry compounds affect Streptococcus mutans gene expression**
- 2005: Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel-Aviv, Israel  
D. Polak, L. Shapira, A. Halabi, E. Weiss, D. Goldstein, Y. Huori Hadad  
**Coaggregation Modulates Alveolar Bone Loss in Mixed Infection with P.gingivalis & F.nucleatum**
- 2005: Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel-Aviv, Israel  
N. Baranasi, N. Beyth, and E.I. Weiss  
**Evaluation of the Antibacterial Properties of Three Amalgams**
- 2005: Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel-Aviv, Israel  
N. Beyth, A. Domb, E.I. Weiss  
**Antibacterial Properties of Restorative Materials: Amalgam and Composite Resins**
- 2005: Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel-Aviv, Israel  
R. Bahir, O. Feuerstein, W. Abdel-Gani, D. Harruch, E. Weiss  
**Effect of Pre-Cured Composite Resin Temperature on Post-Cured Properties**
- 2006: The IADR Pan European Federation 2006, Dublin, Ireland  
S. Matalon, H. Slutzky, E. Weiss, O. Feuerstein  
**Antibacterial properties of 4 self-etching adhesive systems**



- 2006: The IADR/AADR/CADR 83rd General Session, Baltimore, MD, USA  
D. Polak, L. Shapira, A. Halabi, E. Weiss, D. Goldstein, Y. Huori Hadad  
**Co-aggregation Modulates Host Response to Mixed-infection with P.gingivalis and F.nucleatum**
- 2006: The IADR General Session & Exhibition, Brisbane, Australia  
R. Bahir, O. Feuerstein, W. Abdel-Gani, D. Harruch, E. Weiss  
**Effect of Photo-Polymerization at Various Temperatures on Resin Composite Properties**
- 2006: The Annual Meeting of the Israeli Division of the IADR, Jerusalem, Israel  
D. Polak, L. Shapira, A. Halabi, E. Weiss, D. Goldstein, C.A. Genco, Y. Huori Hadad  
**Ginigipains Determine the Clinical Outcome of Mixed Infection with P.gingivalis & F.nucleatum**
- 2006: The Annual Meeting of the Israeli Division of the IADR, Jerusalem, Israel  
R. Nadaf, D. Polak, L. Shapira, E.I. Weiss, Y. Hour-Haddad  
**Reduction in P. gingivalis - F. nucleatum virulence by cranberry fraction**
- 2006: The Annual Meeting of the Israeli Division of the IADR, Jerusalem, Israel  
M. Feldman, E.I. Weiss, I. Ofek, M. Shemesh, D. Steinberg  
**Time-dependent effect of cranberry compounds on Streptococcus mutans gene expression**
- 2006: The Annual Meeting of the Israeli Division of the IADR, Jerusalem, Israel  
R. Bahir, E. Weiss, O. Feuerstein  
**Effect of Temperature during Photo-polymerization of Composite Resins: Proposed Mechanism**

**Active Participation in Scientific Meetings:**

- 1982: Annual meeting of the Israeli Society for Microbiology, Jerusalem
- 1982: International meeting of the Israel Dental Association, Tel Aviv
- 1982: Annual Scientific meeting of the Israel Dental Association, Tel Aviv
- 1983: Annual meeting of the Israeli Society for Microbiology, Beer Sheva
- 1985: Gordon Research Conference on Periodontal Disease, Plymouth, New Hampshire, USA



- 1986: Annual meeting of the American Association for Dental Research, Washington, D.C., USA
- 1987: Gordon Conference on Molecular Basis of Microbial Adhesion, Salve Regina College, Newport, Rhode Island, USA
- 1987: Annual meeting of the American Society for Microbiology, Atlanta, Georgia, USA
- 1988: Annual meeting of the Israeli Division of the International Association for Dental Research, Herzliya
- 1988: Annual meeting of the Israel Society for Microbiology, Tel Aviv
- 1988: Annual meeting of the American Society for Microbiology, Miami Beach, Florida, USA
- 1989: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem
- 1989: Annual meeting of the American Society for Microbiology, New Orleans, Louisiana, USA
- 1990: Annual meeting of the Israel Society for Microbiology, Jerusalem
- 1990: International Association for Dental Research/ American Association for Dental Research (IADR/AADR) Conference, Cincinnati, Ohio, USA
- 1990: Borderland Between Caries and Periodontal Disease, 4th European Symposium, Geneva, Switzerland
- 1990: Israeli Association of Microbiology, Annual meeting, Jerusalem
- 1992: Binational workshop South Africa-Israel on Research Trends in Dental Sciences, Kiriyat Anavim
- 1993: International Association for Dental Research/American Association for Dental Research (IADR/AADR) Conference, Chicago, Illinois, USA
- 1994: International Association for Dental Research/American Association for Dental Research (IADR/AADR) Conference, Seattle, Washington, USA
- 1995: Annual meeting of the Israel Society for Microbiology, Haifa
- 1995: Annual meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv

- 1995: International Association for Dental Research (IADR) Conference, Singapore
- 1996: Annual meeting of the Israeli Division of the International Association for Dental Research, Kiryat Anavim
- 1996: Bat-Sheva seminar, Zichron Yaakov
- 1996: International Association for Dental Research/American Association for Dental Research (IADR/AADR) Conference, San Francisco, California, USA
- 1996: International Union of Microbiological Sciences: 8th International Congress of Bacteriology and Applied Microbiology Division, Jerusalem
- 1997: Annual meeting of the Israeli Division of the International Association for Dental Research, Netanya
- 1997: Focus on the Future; The Next Generation, Joint Scientific Meeting of the Israel Dental Association and School of Dental Medicine, Tel Aviv University, Tel-Aviv
- 1998: International Association for Dental Research (IADR) Conference, Nice, France
- 1999: Annual meeting of the Israeli Division of the International Association for Dental Research, Jerusalem, Israel
- 1999: Inate immunity, Bat-Sheva seminar, Zichron Yaakov
- 2000: International Association for Dental Research/American Association for Dental Research (IADR/AADR) Conference, Washington DC, USA
- 2000: Romanian – Israeli workshop on medical and stomatologic teaching, Iasi, Romania
- 2006: Annual meeting of the Israeli Dental Association, Tel-Aviv, Israel

## Patents and Patents Pending

1. E. I. Weiss, M. Rosenberg and H. Judes 1985  
**Dental and oral preparation**  
U.S. Patent No.4,525,342 (1985)  
Israel Patent No. 68027  
German Patent No. 3407860 (1997)
2. M. Rosenberg and E. I. Weiss  
**Microbiological device**  
U.S. Patent No. 4,687,746  
Israel Patent No.70737
3. S. Fitzig and E. I. Weiss  
**Handheld grinding device for Crown Preparation**  
U.S. Patent No. 4,701,128
4. M. Rosenberg, I. Eli and E. I. Weiss  
**Dental caries diagnostic and localization technique**  
U.S. Patent No. 4,976,951 (1990)
5. E. I. Weiss and Z. Ram  
**Dental fluid control apparatus**  
U.S. Patent No. 5,055,043 (1991)
6. E. I. Weiss, I. Ofek, J. Goldhar, Y Kashman and N. Sharon  
**Anti-oral-microbial adhesion fraction derived from vaccinium**  
U.S. Patent No. 5,840,322 (1998)
7. E. I. Weiss, Z. Fuss, L-S. Assoulin, A. Mizrachi  
**Method for root canal treatment:technique, tools and materials for mobilizing medicaments and cements into dentinal tubules**  
U.S. Patent Application No. 20040101809 (2001)
8. I. Ofek, E. I. Weiss, Y Kashman, J. Goldhar, and N. Sharon  
**Anti-microbial-adhesion fraction derived from vaccinium**  
U.S. Patent No. 6,303,125 B1 (2001)
9. I. Ofek, E. Weiss, Y. Kashman, J. Goldhar, N. Sharon  
**Anti-microbial-adhesion fraction derived from vaccinium**  
U.S. Patent No. 6,843,993 B2 (2005)

10. I. Ofek, E. Weiss, Y. Kashman, J. Goldhar, N. Sharon  
**Anti-microbial-adhesion fraction derived from vaccinium**  
Europe Patent No. Ep 1 115 387 B1 (2006)
11. M. Peretz-Davidi, E. Weiss  
**Herbal Formula to Treat Halitosis by Means of Palatal Patch**  
U.S. Patent Provisional Application No. 60/824,476 (2006)
12. A.J. Domb, E.I. Weiss, N. Beyth, I. Farber, M. Perez Davidi  
**Antimicrobial Nanoparticulate Additives Forming Non-Leachable Sustained Antimicrobial Polymeric Compositions**  
International Publication No. WO 2006/070376 A1 (2006)
13. M. Perez Davidi, O. Feurstein, N. Sterer, A. Domb, E.I. Weiss  
**A Method for whitening teeth**  
US Patent-D502-200c
14. E.I. Weiss, I. Ofek, Z. Zakay-Rones, Y. Hour-Haddad  
**Method of treating viral infections using berry juice fractions**  
U.S. Patent No. 7,390,515 B2