

TECHNION - RAPPAPORT FACULTY OF MEDICINE

RESUME (November 2012)

1. PERSONAL DETAILS

Full Name: Gabriel Hertzel.

LICENCES

1978	Israel Physician License – License # 18207
1990	Specialist in Pediatrics License (Israel)
1997 (Israel)	Specialist in Pediatric Hemato-Oncology License
2008	GCP course/certification

2. ACADEMIC DEGREES

1978	Technion Institute of Technology – Rappaport Faculty of Medicine – MD
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3. ACADEMIC APPOINTMENTS

1998	Technion – Rappaport Faculty of Medicine, Haifa, Israel – Clinical Lecturer – Pediatrics.
2006 –	Technion – Rappaport Faculty of Medicine, Haifa, Israel Associated Clinical Lecturer – Pediatrics.

4. PROFESSIONAL EXPERIENCE

2009 – Current	Lecturer at School of Nursing, Izrael Valley College - In Pediatric Hematology Oncology
2008 – Current	Nazareth French Hospital, Nazareth, Israel – Consultant: Pediatric Hematology Oncology.

2007 – Current Jordan River Village Camp (Paul Neumann Project),
Givat Avnee, Israel –
Medical Director.

2005 – Current High School Yeshiva, Sede Yaakov, Israel –
Medical Science Teacher (Class 10th, 11th, 12th).

1994 – Current Haemek Medical Center, Afula, Israel –
Head of Pediatric Oncology Unit.

1994 – Current Haemek Medical Center, Afula Israel –
Pediatric department A & B
Attending Physician and Consultant, in Ped.

Oncology.

1992-1994 Schneider Israel Pediatric Center, Petah Tikva, Israel,
Pediatric Hematology Oncology Department,
Fellow in Pediatric Hematology Oncology.

1982-1987 Haemek Medical Center, Afula, Israel
Israel Pediatric Residency – Pediatric Ward A
Research study: NK Cells Count and T4\T8 ratio, in
Autoimmune Common Variable Agammaglobulinemia.
Immunology Unit & Laboratories, Belinson Medical
Center, Petah Tikva, Israel.

5. RESEARCH INTERESTS

1. Acute Childhood Leukemia. Multi Central Registry, Protocol and research. (BFM).
2. Stage IV Neuroblastoma.

6. TEACHING EXPERIENCE

2009 – Current Lecturer at School of Nursing, Izrael Valley College, Israel
-
Pediatric Hematology Oncology.

2005 – Current High School Yeshiva, Sede Yaakov, Israel -

- 1998 – Current **Medical Science Studies (10th, 11th, 12th Class).**
 Technion, Rappaport Faculty of Medicine –
**Pediatrics & Pediatric Hematology Oncology. (5th, 6th
 yr.)**
- 1994 – 2007 School of Nursing, Haemek Medical Center, Afula, Israel-
Pediatric Oncology.

7. TECHNION ACTIVITIES

- 2006 – Current Examiner in the MESER Center, Shiba Complex.

8. PUBLIC PROFESSIONAL ACTIVITIES

- 2009 – Current Member of Brain & Respiratory death declaration
 committee of Haemek Medical Center, Afula, Israel.
- 2007 – Current Member of Israeli Society of Pediatric Hemto-Oncology
 Organization (ISPHO) Committee.

Guidelines for therapy of pediatric oncology:

- 2004 Guidelines for Central Line Washing and Maintenance.
- 2004 Guidelines for Pain Treatment in Pediatrics Oncology.
- 2001 Guidelines for Intratecal drugs preparing and giving.

9. MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- 1982 TO PRESENT ISRAELI MEDICAL ASSOCIATION.
- 1984 TO PRESENT ISRAELI MEDICAL ASSOCIATION.
- 1986 TO PRESENT ISRAELI SOCIETY OF CLINICAL PEDIATRICS.
- 1992 TO PRESENT ISRAELI SOCIETY OF PEDIATRIC HEMAT-ONCOLOGY ORG.
- 1996 TO PRESENT INTERNATIONAL SOCIETY OF PEDIATRIC ONCOLOGY. (SIOP)

10. HONORS

11. STUDENTS AND INSTRUCTION

(M.Sc. / D.SC. / Ph.D.)

MD Thesis

Basic Science

12. RESEARCH GRANTS

13. SIGNIFICANT PROFESSIONAL PROJECTS

14. PUBLICATIONS

Theses

1998

For MD: The incidence of infant hospitalization in the first year of life, comparing the urban, village and kibutch populations.

Rappaport School of Medicine, Technion, Haifa, Israel.

Refereed papers in professional journals:

A. Basic research (Hypothesis-driven)

1. E. Liberzon, S. Avigad, B. Stark, J. Zilberstein, L. Freedman, M. Gorfine, **H.**

Gabriel, I. Cohen, Y. Goshen, I. Yaniv, and R. Zaizov.

Germ-Line ATM Gene Alterations Are Associated With Susceptibility to Sporadic T-Cell Acute Lymphoblastic Leukemia in Children. *Genes, Chromosomes & Cancer* 39:161-166(2004).

2. Batia S., Marta J., Leticia G.G., Jacques M., Drorit L., Irit B.A., Gali A., Yossef K., Dalia S., **Herzel G.**, David M.S., Ian J.C., Yaakov G., Jerry S., Rina Z., Isaac Y.

Classical and molecular cytogenetic abnormalities and outcome of childhood acute myeloid leukemia: report from a referral centre in Israel, *British Journal of Haematology*, 126, 320-337, 2004.

3. E. Liberzon, S. Avigad, B. Stark, J. Zilberstein, L. Fredman, M. Gorfine, **H.**

Gavriel, I. J. Cohen, Y. Goshen, I. Yaniv, R. Zaizov. Germ-line ATM gene alterations are associated with susceptibility to sporadic T-Cell Acute Lymphoblastic Leukemia in Children. *Genes, Chromosomes & Cancer*. 01/03/200403/2004:39(2):161-6.

4. B. Stark, M. Jeison, L. Glaser Gabay, J. Mardoukh, D. Luria, I Bar-Am, G.

Avrahami, Y. Kapeliushnik, D. Sthoeger, **H. Gabriel**, D. M. Steinberg, I. J. Cohen, Y. Goshen, J. Stein, R. Zaizov, I. Yaniv. Classical and Molecular Cytogenetic Abnormalities and Outcome of Childhood Acute Myeloid Leukemia: Report from a referral centre in Israel. *British Journal of Haematology*. 01/09/200409/2004: 126 (3):320-27.

5. S. Orna, G. Gil, D. Orly, K. Tatyana, Z. Meira, J. Kapelushnik, **H. Gabriel**, C. Churi, J Stein, I. Yaniv, H. Tamary. Congenital Amegakaryocytic Thrombocytopenia-3 novel c-MPL mutations' and their Phenotypic Correlations. Journal of Pediatric Hematology/Oncology: 2007:29(12):822-5.

B. Clinical Descriptive Research

1. **Gavriel H.**, Miron D, Elhanan K, Horovitz Y, Tal I: Kerosene ingestion in children in the Izrael valley region. Isr J Med Sci 26: 539, 1990.
2. Weyl-Benarush M, Rosenthal J, HorovitzY, **Gavriel H**, Ziv Y, Shiloh Y: Ataxia Telangiectasia and lymphoma. Med Pediatr Oncol 21: 595, 1993.
3. Weyl-Benarush M, Rosenthal J, Horovitz Y, **Gavriel H** , Ben arie J, Ziv Y, Shiloh Y: ataxia telangiectasia and lymphoma: An indication for individualized Chemotherapy dosing- Report of treatment in a highly imbred Arab family. Pediatr Hematology and Oncology 12: 163-169, 1995.
4. Stark B, Ash S, Avrahami G, Cohen I, Goshen Y, **Gavriel H** , Luria D, Stein J, Tamary H, Yaniv I Zaizov R: T-cell lymphoma and T-cell leukemia at Schneider Children medical center of Israel. Last 12 years experience. Med Pediatr Oncology 29(5), Nov 1997.
5. M. Peretz Nahum, **G. Hertz**el, M. Gdal-On, J. Horovitz, G. Eid, m. Weyl Ben Arush. Long Term Follow-up of Children with Retinoblastoma. Med Ped Oncol. Vol 33, No. 3, Sept 1999, 249.(Abstract).

6. M. Peretz Nahum, M.Gdal-On, A.Kuten, **G.Hertzl**, Y.Horovitz, M.Weyl Ben Arush. Long-term follow-up of children with Retinoblastoma. *Ped Hem-Onc*, 18,173-179, 2001.
- 7.R. Spigel, D. Miron, **H. Gavriel**, Y. Horovitz. West Nile virus meningoencephalitis complicated by motor aphasia in Hodgkin's Lymphoma. *Arc.of Dis.in Child*. June 2002, Vol 86, No 6, p 441-442.
8. K.Shay, J.Zilas, R.Massalha, E.Segev, **H.Gavriel**. Supportive Groups of Sick Girls and her parents, from the Arab Population. *The Journal of the Israeli Oncology Nurses Society*. No.2, 22-26, July 2005.
9. S. Orna, G. Gil, D. Orly, K. Tatyana, Z. Meira, J. Kapelushnik, **H. Gabriel**, C. Churi, J Stein, I. Yaniv, H. Tamary. Congenital Amegakaryocytic Thrombocytopenia-3 novel c-MPL mutations' and their Phenotypic Correlations. *Journal of Pediatric Hematology/Oncology*: 2007:29(12):822-5.
10. A. H. Eldar, B. Futerman, G. Avrahami, D.Atias, A. Ben-Barak, Y. Burstein, R. Dvir, **H. Gabriel**, J. Horovitz, J. Kapelushnik, H. Kaplinsky, H. Miskin, D. Sthoeger, A. Toren, S. Vilck-Revel, M. Weintraub, I. Yaniv, S. Linn, M. Ben-Arush. Burkitt Lymphoma in Children: The Israeli Experience. *Journal of Pediatric Hematology/Oncology*, vol31, Issue 6 – pp 428-436. June 2009.
11. B.Stark, G.Avrahami, R.Nirel, A.Abramov, D.Attias, A.Ballin, B.Bielorai, Y.Burstein, H.Gavriel, R.Elhasid, J.Kapelushnik, D.Sthoeger, A.Toren, M.Wientraub, I.Yaniv and S.Izraeli. Extended triple intrathecal therapy in children with T-cell acute lymphoblastic leukemia: a report from the Israeli National ALL-Studies. *British Journal of Haematology*, 147. 113-124, July 9 2009.

C. Case Reports

1. **H. Gavriel**, MD, A. Shuper, MD, L. Kornrieck, MD, Y. Goshen, MD, I. Cohen, MB, ChB. Diffuse Intrinsic Brainstem Disease with Neurologic Deterioration Not What It Seemed. Med and Ped Oncol 34:199

2. R. Marom, D. Miron, **H.Gabriel**, Y. Horowitz. Thrombocytopenic purpura as sole manifestation of brucellosis in a child.

HAREFUAH, vol.139, no.7-8. 278-279.

3. R.Spiegel, S.Constantini, **H.Gavriel**, Y.Horovitz. Association of prolonged fever and hypernatremia: A rare presentation of intra cranial tumor in a toddler. Med & Ped Onc. Vol 35. No. 3 sept. 2000 p. 334.

4. R.Spiegel, S.Constantini, **H.Gavriel**, V.Siomin, Y.Horovitz.

Association of prolonged fever and hypernatremia: Rare presentation of Hypothalamic/Third ventricle Tumor in a toddler. J Ped Hem-Onc, vol.00, No.0, 2001

5. Spiegel R., Miron D., Fink. D., **Gavriel H.**, Horovitz Y. Eosinophilic Pericarditis – A Rare Complication of Idiopathic Hypereosinophilic Syndrome in a Child. Pediatr Cardiol 2004 Jan 28(Epub ahead of print)

6.R.Spigel, L. Zalman, **H.Gavriel**, Y. Horowitz,. Hypereosinophilic Syndrome in a Child presenting as Eosinophilic Pharyngitis. J of Ped Hem/Onc, Vol 25, No. 9, Sept 2003/

Review papers

Books and book chapters

Patents

Research reports

Other publications.)

15. CONFERENCES

D. Contributed Talks and Abstracts – oral presentations

1. Horovitz Y, Dharam M, **Gavriel H** , Mogilner J: Papillary cystic tumor of the Pancreas. Proceedings in the Israel Society for Pediatric Hematology-

Oncology

7, Nov 1991.

2. Horovitz Y, **Gavriel H**: Intravenous immunoglobulin treatment in Langerhans cell

Histiocytosis. 4th Biennial Conference on chemotherapy of infectious diseases
and

Malignancies, Aug 1992, Prague, Chechoslovakia.

3. Horovitz Y, **Gavriel H**: Late onset pulmonary fibrosis and chest deformity in a
child

Treated with cyclophosphamide. International Conference of the late effects of
Treatment for childhood malignancy. May 1993, Manchester, United Kingdom.

4. **Gavriel H**, Horovitz Y: IVIG treatment in Lagerhans cell histiocytosis. Poster
Presentation in the 8th international congress of immunology. Aug 1992,
Budapest,
Hungary.

5. **Gavriel H**, Horovitz Y: Treatment with IVIG in Langerhans cell histiocytosis.
Presentation in Israel Society of Clinical Pediatrics. Nov 1992.

6. **Gavriel H** , Miron D, Horovitz Y: Idiopathic hypereosinophilic syndrome with
Pericardial effusion. Israel Society for Clinical Pediatrics. Dec 1994.

7. Yaniv I, Ash S, Stark B, Stein J, **Gavriel H** , Cohen I, Zaizov R: Childhood
Acute

Myeloid Leukemia - Consolidation with high dose melphalan and autologous
stem

Cell transplantations. A single center experience. Marrow transplantation in
Children, Current research and controversies meeting No. 3, Jan 1997.

8. Yaniv I, Ash S, Stark B, Stein J, **Gavriel H** , Cohen I, Zaizov R: Childhood AML Consolidation with high dose melphalan and autologous stem cell transplantation. A Single center experience. Hematology and Blood Transfusion Society. Feb 1997.
9. Stark B, Ash S, Avrahami G, Aviner S, Cohen I, Goshen I, **Gavriel H**, Luria D, Stein J, Tamary H, Yaniv I, Zaizov R: T-cell lymphoma and T-cell leukemia at Schneider children medical center of Israel (SCMCI). Last 12 years experience. SIOP 29th Meeting. Istanbul Turkey, Sep 1997.
10. M. Peretz Nahum, **G. Hertz**el, M. Gdal-On, J. Horovitz, G. Eid, M. Weyl Ben Arush. Long-Term Follow-up of Children with Retinoblastoma. SIOP-ASPHO Meeting, Montreal CANADA. Sept 13-18, 1999/
11. **H.Gabriel**, D.Miron, Y.Horovitz. Family outbreak of parvovirus B19 infection Associated transient bone marrow aplasia in three siblings with Hereditary Spherocytosis. Israeli-German Bi-National Conference: Current Concepts in Pediatric Hematology-Oncology. January 26-29, 1999, Eilat, Israel.
12. R.Zaizov, E.Liberzon, J.Zilberstein, B.Stark, IJ.Cohen, Y.Goshen, **H.Gavriel**, I.Yaniv, S.Avigad. High rate of ATM Gene Mutations in sporadic children T cell Lymphoma. ASCO 2001.
- 13.Spigel R., Miron D., **Gavriel H.**, Horovitz Y.West Nile Virus Meningoencephalitis Complicated by Motor Aphasia in a Child with Hodgkin's Lymphoma. ISPHO ANNUAL MEETING, KFAR BLOOM, ISRAEL, JUNE 28-30 2001.

14. S. Postovsky, E. Diamond, M. Weyl Ben Arush, R. Elhasid, **G. Hertz**el and R Shamir. The Prevalence of Selenium Deficiency in Newly Diagnosed Pediatric Cancer Patients. IPSO XXXII Meeting, Brisbane, Australia, October 10-13 2001.

15.S. Postovsky, A. Lightman, D. Aminpour, R. Elhasid, M. Peretz, **G. Hertz**el, and M. Weyl Ben Arush. Sperm Cryopreservation in Adolescents with Newly Diagnosed Cancer: The Northern Israel Pediatric Oncology Center Experience. IPSO XXXII Meeting, Brisbane, Australia. October 10-13 2001.

16. M. Peretz-Nahum, **G. Hertz**el, M. Gdal-On, G. Horovitz, G. Eid and M. Weyl Ben Arush. Long Term Follow-up of Children with Retinoblastoma. ISPHO Annual Meeting 2000. Dead Sea, Israel. Mars 16-18 2000.

17. Spiegel R., Constantini S., **Gavriel H.**, Horovitz Y. Association of Prolonged Fever and Hypernatremia: A Rare Presentation of Intracranial Tumor in A Toddler. ISPHO Annual Meeting 2000. Dead Sea, Israel. Mars 16-18 2000.

18. B.Stark, S.Izraeli, D.Atias, G.Avrahami, A.Ballin, B.Bielorai, Y.Burstein, R.Elhasid, **H.Gabriel**, Y.Kapelushnik, H.Miskin, D.Shtoege, M.Weintraub, D.Steinberg, R.Zaizov. The Israel National Study (INS) Of Childhood ALL – 20 Years Experience. ANNUAL MEETING OF ISPHO 2004. EILAT, ISRAEL.

19. E.Liberzon, S.Avigad, J, Zilberstein, B.Stark, **H.Gavriel**, G, Avrahami, IJ.Cohen, Y.Goshen, I.Yaniv, R.Zaizov. Molecular Variants of the ATM Gene in Childhood Hodgkin Lymphoma. ISPHO ANNUAL MEETING 2003, CAESAREA, ISRAEL.

20. B. Stark, M. Jeison, Y. Kapeliushnik, D. Shtoegeger, **H. Gavriel**, D. Steinberg, J. Mardoukh, L. Glazer, G. Avrahami, Y. Goshen, I. J. Cohen, J. Stein, R. Zaizov, I. Yaniv,

Classical and Molecular Cytogenetic Abnormalities and Outcome of Childhood Acute Myeloid Leukemia: Report from a Referral Centre in Israel. 45th ASH Annual Meeting.

21. E. Liberzon, S. Avigad, B. Stark, G. Avrahami, **H. Gavriel**, I. J. Cohen, Y. Goshen, I. Yaniv, R. Zaizov. ATM Involvement in Childhood Lymphoid Neoplasms. 6th Annual FMRC Scientific Conference, Pediatric Cancer Research Highlights, May 24 2004.

22. B. Stark, M. Jeison, G. Avrahami, Y. Kapeliushnik, D. Shtoegeger, **G. Hertz**, J. Mardoukh, Y. Goshen, I. J. Cohen, J. Stein, R. Zaizov, I. Yaniv. Childhood Acute Myeloid Leukemia: Classical and Molecular Cytogenetic Abnormalities and Outcome, Report from a Referral Center in Israel. Annual Meeting of ISPHO 2005, MAAGAN HOLIDAY VILLAGE, 3.3.2005 – 5.3.2005.

23. R. Elhasid, J. M. Rowe, D. Atias, A. Balin, Y. Burshtein, B. Bilori, **H. Gabriel**, M. Wintroub, H. Miskin, J. Kapeliushnik, D. Shtoegeger, S. Izraeli, B. Stark. Adolescents With Acute Lymphoblastic Leukemia (ALL), Treated by Pediatric or Other Protocols, Clinical Characteristics and Outcome. Annual Meeting of ISPHO 2005, MAAGAN HOLIDAY VILLAGE, 3.3.2005 – 5.3.2005.

24. R. Spigel, A. Hubner, **H. Gabriel**, S. Shalev, Y. Horovitz. The Association of Triple A Syndrome with Chronic Symptomatic Neutropenia. Annual Meeting of ISPHO 2005. MAAGAN HOLIDAY VILLAGE, 3.3.2005 – 5.3.2005.

- 25.** S. Ash, M. Jeison, J. Kapelushnik, J. Stein, A. Ben Barak, D. Attias, **H. Gavriel**, D. Luria, Y. Goshen, I. Yaniv, and B. Stark. MYCN-Gain compared to MECN Amplified Neuroblastoma: Biological and Clinical Characteristics. Advances in Neuroblastoma Research, 16.01.2006.
- 26.** M. Jeison, J. Mardouk, J. Kapelushnik, A. Ben Barak, D. Attias, **H. Gavriel**, D. Luria, Y. Goshen, J. Stein, I. Yaniv and B. Stark: MYCN Gain compared to MYCN Amplified Neuroblastoma: Biological and clinical Characteristics. FRONTIERS in GENETICS III. 02.03.2006.
- 27.** G. Gilad, O. Dgany, T. Krasnov, M. Zoldan, A. Grunspan, C. Churi, R. Laor, **H. Gavriel**, J. Kapelushnik, J. Stein, I. Yaniv, H. Tamary: C-MPL Mutations in Congenital Amegacardioctic thrombocytopenia. Annual Meeting of ISPHO 2006.
- 28.** B. Stark, D. Attias, G. Avrahami, A. Ballin, B. Bielora, Y. Burstein, R. Elhasid, **H. Gavriel**, J. Kapelushnik, H. Miskin, D. Sthoeger, M. Weintraub, D. Steinberg, S. Izraeli: Outcome of Childhood T-Cell Acute Lymphoblastic Leukemia, treated with BFM based protocols, effect of preventive Cranial Radiation, the Israel National Studies (INS 89, INS 98) report. 5th Bi-annual Symposium on Childhood Leukemia. 30 April- 02 May 2006.
- 29.** S. Ash, M. Jeison, J. Kapelushnik, A. Ben Barak, D. Attias, **H. Gavriel**, D. Luria, Y. Goshen, J. Stein, I. Yaniv, B. Stark: MYCN-Gain compared to MYCN amplified Neuroblastoma: Biological and clinical characteristics. ISPHO Meeting 2007. HAGOSHRIM, ISRAEL, 15-17.03.2007.
- 30.** R. Ofir, A. Levinzon, S. Postovsky, **H. Gavriel**, M. Weyl Ben Harush. Do Not Resuscitate (DNR) orders as a measure of the effectiveness of preparation of

parents towards the death of a terminally ill child. SIOP 2006, GENEVA, SWITZERLAND, September 18-21, 2006.

31. M.W.Ben Harush, R.Ofir, T.Maschiar, **H. Gavriel**, Z. Dashkovsky, H. Geva. Prevalence and characteristics of complementary medicine used by pediatric cancer patients in a mixed western and middle-eastern population. SIOP 2006, GENEVA, SWITZERLAND, September 18-21 2006.

32. Stark B., Attias D., Avrahami G., Ballin A., Bilorai B., Burstein Y., Elhasid R., **Gavriel H.**, Kapelushnik Y., Miskin H., Toren A., Stein J., Sthoeger D., Weintraub M., Yaniv I., Steinberg D., Nirel R., and Izraeli S. Replace ALL-Outcome of children treated with ALL-BFM Based Protocols – The Israeli Report. ISPHO Meeting 2007, HAGOSHRIM, ISRAEL. 15-17.03.2007.

33. S. Postovsky, B. Moaed, R. Ofir, H. Gabriel, M. Ben Arush. Emergency Conditions during last 100 days of life among pediatric cancer patients with Solid Tumors. 40th Congress of the SIOP, Berlin, Germany, Oct 2-6 2008.

34. G.Arahami, A. Abramov, D. Atias, A. Balin, B. Bieloral, Y. Burstein, **H. Gavriel**, J. Kapelushnik, H. Miskin, D. Sthoeger, M. Veintrub, J. Stein, I. Yaniv, A. Toren, M. Ben Arush, R. Nirel, S. Izraeli, B.Stark. Characteristics and Outcome of Adolescents with Acute Lymphoblastic Leukemia (ALL), Differ from Young Children in the B-Cell Lineage, but not in the T-Cell Lineage: Experience of the ALL Israeli National Studies (INS).50th ASH Annual Meeting and EXPOSITION. San Francisco, CA Mosconecenter. Dec. 6-9, 2008.

Refereed papers in conference proceedings

Participation in organizing conferences:

2007-2009 All the ISPHO conferences. (3 for a year)

16. SPECIAL PROFESSIONAL ACTIVITIES

נספח מס' 1:

תרומתי בכל אחד מהמאמרים המצוינים לעיל:

<u>מאמר מס'</u>	<u>התרומה</u>	<u>מאמר מס'</u>	<u>התרומה</u>	<u>מאמר מס'</u>	<u>התרומה</u>	<u>מאמר מס'</u>	<u>התרומה</u>
B	D1	ABCD	C1	B	B1	B	A1
ABD	D2	BD	C2	B	B2	B	A2
ABD	D3	AB	C3	B	B3	B	A3
ABCD	D4	AB	C4	B	B4	B	A4
ABCD	D5	ABD	C5	AB	B5	AB	A5
ABD	D6	B	C6	BD	B6		
B	D7			BD	B7		
B	D8			ABD	B8		
B	D9			B	B9		
B	D10			B	B10		
ABCD	D11						
BD	D12						
B	D13						
B	D14						
B	D15						
B	D16						
B	D17						
B	D18						
B	D19						
B	D20						
B	D21						
B	D22						
B	D23						
B	D24						
B	D25						
B	D26						
B	D27						
	<u>מאמר מס'</u>	<u>התרומה</u>					
B	D28						

B D29
B D30
B D31
B D32
B D33
B D34

- A.** CONCEPTION AND PARTICIPATION IN DESIGN.
- B.** COLLECTION OF DATA AND CONDUCT OF SUBSTANTIAL PART OF THE EXPERIMENTAL WORK.
- C.** ANALYSIS AND INTERPRETATION OF RESULTS.
- D.** DRAFTING AND/OR SUBSTANTIAL EDITING MANUSCRIPT.