

PUBLICATIONS

Thesis:

The effect of volume replacement on the modification of experimental fat embolism syndrome in rabbits, as part of the requirements for MD degree
Hebrew University Medical School Award for Excellent Research, 1979

Refereed papers in professional journals:

Basic research

1. Duke-Cohan JS, Hirt R, Rottem M, Ben-Zvi A, Rubinow A, Naor D.
Use of an autologous reaction in vitro to assess contributions of T and B lymphocytes to immune hyperreactivity of atopics.
Clinical and Experimental Allergy 19:163-8; 1989
2. Rossman MD, Chen E, Chien P, Rottem M, Cprek A, Schreiber AD.
Fc-gamma receptor recognition of IgG ligand by human monocytes and macrophages.
Am J Resp Cell Mol Biol 1:211-20;1989
3. Lavoie A, Rottem M, Grodofsky M, Douglas SD.
Anti-Staphylococcus aureus IgE antibodies for diagnosis of hyperimmunoglobulinemia E-recurrent infection syndrome in infancy.
Am J Dis Child 143:1038-41;1989
4. Rottem M, Kirshenbaum AS, Metcalfe DD.
Early development of mast cells.
Int Arch Allergy Appl Immunol 94:104-109; 1991
5. Puck JM, Siminovitch KA, Poncz M, Greenberg CR, Rottem M, Conley ME.
Atypical presentation of Wiskott-Aldrich syndrome: Diagnosis in two unrelated males based on studies of maternal T cell X chromosome inactivation.
Blood 75:2369-74; 1990
6. Rottem M, Barbieri S, Kinet JP, Metcalfe DD.
Kinetics of the appearance of Fc ϵ RI bearing cells in IL-3 dependent mouse bone marrow cultures: Correlation with histamine content and mast cell maturation.
Blood 79:972-980;1992
7. Hannelore E, Burd PR, Rottem M, Hultner L, Hylton JB, Garfield M, Coligan JE, Metcalfe DD, Fauci AS.
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8. Rottem M, Goff JP, Albert JP, Metcalfe DD.
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9. Rossman MD, Ruiz P, Comber P, Gomez F, Rottem M, Schreiber AD.
Modulation of macrophage Fc gamma receptors by rGM-CSF.
Exp Hematol 21:177-183; 1993
10. Rottem M, Hull G, Metcalfe DD.
Demonstration of differential effects of cytokines on mast cells derived from murine bone marrow and peripheral blood mononuclear cells.
Exp Hematol 22:1147-1155; 1994
11. Rottem M, Okada T, Goff, JP, Metcalfe DD.
Mast cells cultured from the peripheral blood of normal donors and patients with mastocytosis originate from a CD34⁺/Fc ϵ RI⁻ cell population.
Blood 84:2489-2496;1994
12. Metcalfe DD, Mekori YA, Rottem M.
Mast cell ontogeny and apoptosis.
Exp Dermatolgy 4:227-30; 1995
13. Rottem M, Alon-Shalev S, Shneor Y, Hujirat Y.
Wiskott Aldrich syndrome in an Israely family: Identification of a novel G40V mutation.
Hum Mutation 16:448; 2000
14. Kirshenbaum AS, Akin C, Rottem M, Goff JP, Beaven MA, Rao VK, Metcalfe DD.
Spontaneous development of long term human mast cell cultures from a patient with mast cell sarcoma/leukemia.
Leukemia Research 27:677-682; 2003
15. Kulka M, Fukuishi N, Rottem M, Mekori YA, Metcalfe DD.
Mast cells, which interact with Escherichia coli, up-regulate genes associated with innate immunity and become less responsive to Fc(epsilon)RI-mediated activation.
J Leukoc Biol 79:339-350, 2006
16. Shalev S, Sprecher E, Indelman M, Hujirat Y, Bergman R, Rottem M
A novel missense mutation in CIAS1 encoding the pyrin-like protein, cryopyrin, causes familial cold autoinflammatory syndrome in a family of Ethiopian origin
International Archives of Allergy and Immunology 143:190-193, 2007
16. Wolach B, Gavrieli R, de Boer M, Gottesman G, Ben-Ari J, Rottem M, Schlesinger Y, Grisaru-Soen G, Etzioni A, Roos D.
Chronic granulomatous disease in Israel: Clinical, functional and molecular studies in 38 patients
Clinical Immunology 129:103-114, 2008

Submitted:

Bielory B and Rottem M

Evolutionary immune response to conserved domains (CDs) present in parasites and allergens

Clinical descriptive research

18. Rottem M, Statter M, Amit R, Brand N, Bujanover Y, Yatziv S.

- A clinical and laboratory study in 22 patients with inherited hyperammonemic syndromes.
Isr J Med Sci 22:833-836;1986
19. Goitein K, Matoth I, Rottem M, Cotev S.
Helium oxygen gas admixture therapy in upper airway obstruction in children.
Intensive Care Medicine 13:463; 1987
 20. Goitein K, Karem E, Yatziv I, Rottem M.
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Intensive Care Medicine 13:446; 1987
 21. Rottem M, Goitein JK, Matoth I, Schiller M.
Assessing disease severity in pediatric intensive care unit patients.
Harefuah 112:475-7, 479;1987
 22. Linder N, Aranda JV, Tsur M, Matoth I, Yatsiv I, Mandelberg H, Rottem M, Feigenbaum D, Ezra Y, Tamir I.
Need for endotracheal intubation and suction in meconium-stained neonates.
J Pediatr 112:613-5;1988
 23. Granot E, Rottem M, Rein AJ.
Carditis complicating inflammatory bowel disease in children.
Eur J Pediatr 1988; 148:203-5.
 24. Matoth I, Rottem M, Tamar I, Simcha A.
Unusual epilepsy masking cardiac-rhythm disturbances with reversible encephalographic changes.
Isr J Med Sci 25(3):164-5;1988
 25. Hoffman GS, Kerr GS, Leavitt RY, Hallahan CW, Lebovics RS, Travis WD, Rottem M, Fauci AS.
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Annals Int Med 116:488-498; 1992
 26. Lebovics RS, Hoffman GS, Leavitt RY, Kerr GS, Travis WD, Kammerer W, Hallahan C, Rottem M, Fauci AS.
The management of subglottic stenosis in patients with Wegener's granulomatosis.
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 27. Rottem M, Fauci AS, Hallahan CW, Kerr G, Lebovics R, Leavitt RY, Hoffman GS.
A long term prospective study of Wegener's granulomatosis in 23 pediatric patients: clinical presentation and outcome.
J Pediatr 122:26-31;1993
 28. Rottem M, Cotch MF, Fauci AS, Hoffman GS.
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Rheumatol 21:561-563; 1994
 29. Rottem M.
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Harefuah 1994;127:283-284.
 30. Kerr GS, Hallahan CW, Giordano J, Leavitt RY, Fauci AS, Rottem M, Hoffman GS.

- A study of 60 patients with Takayasu's arteritis: Clinical manifestations, treatment and long-term outcome.
Arth Rheum 120:919-929; 1994
31. Golan H, Dalal I, Garty BZ, Schlesinger M, Levy J, Handzel Z, Wolach B, Rottem M, Goldberg A, Tamir R, Koren A, Levy Y, Katz Y, Passwell J, Etzioni A.
The incidence of primary immunodeficiency syndromes in Israel.
Isr Med Assoc J 4:868-71; 2002
 32. Pauwels RA, Pederson S, Busse WW, Tan WC, Chen YZ, Ohlsson SV, Ullman A, Lamm CJ, O'Byrne PM on behalf of the START Investigators Group (Members listed including Rottem M)
Early intervention with budesonide in mild persistent asthma: a randomised, double-blind trial.
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 33. Micron D, Meenes R, Rottem M.
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 34. Rottem M, Darawsha J, Zarfin J.
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 35. Rottem M, Elbirt D, Sthoeger Z
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 36. Rottem M, Zitansky A, Horovitz Y
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 37. Rottem M, Krause I, Fraser A, Stojanovich L, Rovensky J, Shoenfeld Y
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Lupus 15:473-477, 2006
 38. Rottem M, Shostak D, Foldy S.
The predictive value of specific Immunoglobulin E on the outcome of milk allergy
Israel Med Assoc J 10(12):862-864, 2008
 39. Rottem M.
Omalizumab reduces corticosteroid use in patients with severe allergic asthma: real-life experience in Israel.
J Asthma. 2012 Feb;49(1):78-82.

Case Reports

40. Haskell L, Bloom RA, Rottem M, Boneh A, Libson E
Bilateral symmetrical clavicular periosteal reactions in a child.
Diag Imag Clin Med 53:310-314, 1984
41. Amit R, Rottem M, Yatziv S
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42. Granot E, Rottem M, Rein AJ
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Eur J Pediatr 148:203-205, 1988
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Rectal bloody diarrhea in an 18-month-old male.
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Unusual epilepsy masking cardiac-rhythm disturbances with reversible encephalographic changes.
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 45. Rottem M, Cotch MF, Fauci AS, Hoffman GS
Familial vasculitis: report of 2 families.
J Rheumatol 21:561-563, 1994
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Properdin deficiency: Rare presentation with meningococcal bone and joint infections.
Pediatr Infect Dis J 17:356-358, 1998
 47. Rottem M, Waisel Y
Food allergy concealed in sunflower pollen.
Allergy 53:719-720, 1998
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Intestinal protothecosis in a patient with chronic mucocutaneous candidiasis.
Clin Infect Dis 27:399-400, 1998
 49. Abu-Ras R, Felser K, Rottem M
Maternal antiphospholipid syndrome presenting as neonatal lupus with congenital complete heart block in the fetus.
Isr Med Assoc J 3:966-968, 2001
 49. Rottem M, Mader Reuven
Successful use of etanercept in acquired angioedema in a patient with psoriatic arthritis
J Rheumatol 37(1):209,2010

Review papers

51. Metcalfe DD, Mekori JA, Rottem M
Mast cell ontogeny and apoptosis
Exp Dermatolgy 4:227-230, 1995
52. Rottem M
Allergy and systemic Diseases: the case of chronic urticaria and thyroid disease.
Isr Med Assoc J 4:889-890, 2002
53. Rottem M
Allergy and Asthma, Editorial
Harefuah [Hebrew] 141:891-892; 2002
54. Rottem M

- Chronic urticaria and autoimmune thyroid disease: is there a link?
Autoimmun Rev 2:69-72, 2003
55. Rottem M, Gershwin ME, Shoenfeld Y
Allergic disease and autoimmune effectors pathways.
Dev Immunol 9:161-167, 2002
56. Rottem M
The 60th conference held by the American Academy of Allergy
Asthma and Immunology (AAAAI).
57. Harefuah [Hebrew] 142:710-711, 2003
Rottem M, Shoenfeld Y
Asthma as a paradigm for autoimmune disease.
Int Arch Allergy Immunol 132; 210-214, 2003
58. Rottem M
The American Academy of Allergy Asthma and Immunology (AAAAI)
Annual Meeting 2004.
Harefuah [Hebrew] 143:684-686, 2004
59. Rottem M, Shoenfeld Y
Vaccination and allergy.
Curr Opin Otolaryngol Head Neck Surg 12(3):223-231, 2004
60. Rottem M, Mekori YS
Mast cells and autoimmunity.
Autoimmun Rev 4 (1):21-27, 2005
61. Rottem M, Szyper-Kravitz M, Shoenfeld Y
Atopy and asthma in migrants.
Int Arch Allergy Immunol 136:198-204, 2005
61. Rottem M
Annual Meeting of the American Academy of Allergy Asthma and
Immunology March 2008, Philadelphia, USA
Harefuah [Hebrew] 147:922-923 ,2008
62. Rottem M
Asthma prevalence and exacerbations in children: Is there an association
with childhood vaccination
Expert Review Clin Immunolo 4(6):687-694, 2008
63. Rottem M
Annual meeting of the American Academy of Allergy Asthma and
Immunology, March 2008, Philadelphia, USA
Harefuah [Hebrew] 147(11):922-3, 2008
64. Rottem M
Allergic rhinitis and its impact on asthma
Harefuah [Hebrew] 149 (6):374-376, 2010
65. Reshef A, Kidon-Yankovich M, Cohen-Kerem R, Rottem M, Rott Y,
Agmon-Levin N, Braverman Yand Eliashar R
Chronic Rhinitis – Clinical Guidelines 2010
Harefuah [Hebrew] 2011 Mar;150(3):275-8, 302, 2011
66. D'Amato G, Rottem M, Dahl R, Blaiss MS, Ridolo E et al, for the
WAO Special Committee on Climate Change and Allergy. Climate
Change, Migration, and Allergic Respiratory Diseases: An Update
for the Allergist. *World Allergy Organization Journal* 2011; 4(7): 121-
125.

Chapters in books

67. Kirshenbaum AS, Rottem M, Metcalfe DD
The origin and development of murine and human mast cells in Kaliner MA, Metcalfe DD (eds): The Role of the Mast Cell in Health and Disease
Marcel Dekker, Inc., New York, New York, p. 203-217, 1992
68. Rottem M, Metcalfe DD
Development and maturation of mast cells and basophils, in Busse W, Holgate S (eds): Asthma and Rhinitis, Blackwell Scientific Publications, Inc., Cambridge, MA, p. 167-181, 1995
69. Rottem M, Metcalfe DD. Development and maturation of mast cells and basophils, in Busse W, Holgate S (eds): Asthma and Rhinitis, Blackwell Scientific Publications, Inc., Cambridge, MA, 2000
70. Rottem M, Metcalfe DD. Food Allergy in Adults., in Lichtenstein LM, Busse WW, Geha RS (eds): Current Therapy in Allergy, Immunology, and Rheumatology, 6th edition, Mosby, Inc., PA, p. 154-157, 2004
71. D'Amato G and Rottem M. Climate Change and Migration, in Cannonica W, Malik C (eds): The World Allergy Organization White Book on Allergy: Allergic Diseases as a Global Public Health, p. 95-100, 2011

Other Publications

1. Berger A, Winter S, Tirosh E, Rottem M
Perinatal mortality in Israel: A challenge.
Child Health in Israel 14:17,1978
2. Rottem M, Shoenfeld Y
Allergy and autoimmunity.
Cutting Edge Reports, Rheuma21st (www.rheuna21st.com/archives)
17 March, 2003
3. Rottem M, Vaccination and the risk of atopy and asthma
World Allergy Organization, June 2011
http://www.worldallergy.org/professional/allergic_diseases_center/vaccination_and_risk/

Items in encyclopedia:

4. Rottem M. In: Shoenfeld Y. Israel Medical Encyclopedia.
Antibody, Autoimmune serum, Vasculitis, p 351,355,331-332,
2007

5. CONFERENCES

Plenary or invited talks (Recent 5 years only):

1. Rottem M
Asthma as a paradigm for autoimmune disease. XVII World Asthma Congress, Saint-Petersburg, Russia, July 5-8, 2003
2. Rottem M
Allergy in Immigrants. Global Issues in Allergy Course. 61st Annual meeting of the American Academy of Allergy Asthma and Immunology (AAAAI), March 19-23, 2004
3. Rottem M
Asthma and atopy in migrants. 4th Balkan Congress of Allergology and Clinical Immunology, September 22-25, 2005
4. Rottem M
Asthma atopy and autoimmunity. Turkish National Society of Allergy and Clinical Immunology's XIIIth Annual Congress September 27-October 1st, 2005
5. Rottem M
Sesame allergy in the Middle East. Global Issues in Food Allergy is an International Disease Course. Annual meeting of the American Academy of Allergy Asthma and Immunology (AAAAI), USA, February 23-27, 2007
6. Rottem M
Allergy as a systemic disease. Israel Association of Ambulatory Pediatrics. June 2007
7. Rottem M
Allergic rhinitis as a manifestation of a systemic disease. Israel Association of Clinical Pediatrics, semi-annual meeting. September 2007
8. Rottem M
Year in Review in Clinical Immunology. World Allergy Congress, Bangkok, Thailand, December 2007
9. Rottem M
Chronic Urticaria and Angioedema. World Allergy Congress, Bangkok, Thailand, December 2007
10. Rottem M
Allergy and Autoimmunity, European Academy of Allergy Asthma and Immunology (EAAACI) Annual Meeting, Warsaw, Poland, June 2009
11. Rottem, M
Allergic Diseases in migrants: Migrants to Middle East, European Academy of Allergy Asthma and Immunology (EAAACI) Annual Meeting, Istanbul, Turkey, June 2011

Participation in organizing conferences (Recent 5 years only):

- 2004 Faculty, Chairman, and Speaker, Annual meeting of the American Academy of Allergy Asthma and Immunology (AAAAI), San Francisco, California, USA
- 2005 Committee Chairman, Annual meeting of the American Academy of

- Allergy Asthma and Immunology (AAAAI), San Antonio, Texas, USA
- 2005 Invited Speaker and AAAAI Representative at the Turkish Society of Allergy and Clinical Immunology Annual Meeting, Ephesus, Turkey
- 2006 Committee Chairman, Annual meeting of the American Academy of Allergy Asthma and Immunology (AAAAI), Miami Beach, Florida, USA
- 2006 MEDAX – Invited Chairman and Speaker, Tel Aviv, Israel
- 2007 Faculty and Speaker, Annual meeting of the American Academy of Allergy Asthma and Immunology (AAAAI), San Diego, California, USA
- 2007 Scientific Program Committee Member, Faculty and Speaker, World Allergy Congress, Bangkok, Thailand
- 2008 **President, First International and CME accredited Conference** on Allergy and Immunology of the Israel Association for Allergy and Clinical Immunology, con-joint with the American College for Allergy Asthma and Immunology, Jerusalem
- 2009 **Co-President and Program Committee Member, V World Congress** on Immunopathology and Respiratory Allergy, Tel Aviv
- 2010 Member, WAO International Scientific Conference (WISC) Regional Advisory Committee, Dubai