

## DAFTAR PUSTAKA

- Abbas, Abul K. 2020. *BASIC IMMUNOLOGY: FUNCTIONS AND DISORDERS OF THE IMMUNE SYSTEM, SIXTH EDITION*. 6th ed. edited by A. Lichtman. Philadelphia: Elsevier.
- Abdi, Hengameh, Atieh Amouzegar, and Fereidoun Azizi. 2019. "Antithyroid Drugs." *Iranian Journal of Pharmaceutical Research*.
- Abdulahad, Deena A., Johanna Westra, Johannes Bijzet, Pieter C. Limburg, Cees G. M. Kallenberg, and Marc Bijl. 2011a. "High Mobility Group Box 1 (HMGB1) and Anti-HMGB1 Antibodies and Their Relation to Disease Characteristics in Systemic Lupus Erythematosus." *Arthritis Research and Therapy* 13(3):1–9. doi: 10.1186/ar3332.
- Abdulahad, Deena A., Johanna Westra, Johannes Bijzet, Pieter C. Limburg, Cees G. M. Kallenberg, and Marc Bijl. 2011b. "High Mobility Group Box 1 (HMGB1) and Anti-HMGB1 Antibodies and Their Relation to Disease Characteristics in Systemic Lupus Erythematosus." *Arthritis Research and Therapy* 13(3). doi: 10.1186/ar3332.
- Abul K, Abbas MBBS, PhD Andrew H. Lichtman MD, and PhD Shiv Pillai MBBS. 2015. *ABBAS Celular and Molecular Immunology* . Vol. 9.
- Arrangoiz, Rodrigo, Fernando Cordera, David Caba, Manuel Muñoz, Eduardo Moreno, and Enrique Luque de León. 2018. "Comprehensive Review of Thyroid Embryology, Anatomy, Histology, and Physiology for Surgeons." *International Journal of Otolaryngology and Head & Neck Surgery* 07(04). doi: 10.4236/ijohns.2018.74019.
- Azizi, Fereidoun, Atieh Amouzegar, Maryam Tohidi, Mehdi Hedayati, Davood Khalili, Leila Cheraghi, Yadollah Mehrabi, and Miralireza Takyar. 2019. "Increased Remission Rates after Long-Term Methimazole Therapy in Patients with Graves' Disease: Results of a Randomized Clinical Trial." *Thyroid*. doi: 10.1089/thy.2019.0180.
- Azizi, Fereidoun, and Ramin Malboosbaf. 2017. "Long-Term Antithyroid Drug Treatment: A Systematic Review and Meta-Analysis." *Thyroid*.
- Azizi, Fereidoun, Miralireza Takyar, Elham Madreseh, and Atieh Amouzegar. 2019. "Treatment of Toxic Multinodular Goiter: Comparison of Radioiodine and Long-Term Methimazole Treatment." *Thyroid*. doi: 10.1089/thy.2018.0397.
- Bahn, Rebecca S. 2010. "Graves' Ophthalmopathy." *New England Journal of Medicine* 726:382.
- Barbesino, Giuseppe, and Yaron Tomer. 2013. "Clinical Utility of TSH Receptor Antibodies." *Journal of Clinical Endocrinology and Metabolism* 98(6):2247–55. doi: 10.1210/jc.2012-4309.
- Barrio-Barrio, Jesús, Alfonso L. Sabater, Elvira Bonet-Farriol, Álvaro Velázquez-Villoria, and Juan C. Galofré. 2015a. "Graves' Ophthalmopathy: VISA versus EUGOGO Classification, Assessment, and Management." *Journal of Ophthalmology*.
- Barrio-Barrio, Jesús, Alfonso L. Sabater, Elvira Bonet-Farriol, Álvaro Velázquez-Villoria, and Juan C. Galofré. 2015b. "Graves' Ophthalmopathy: VISA versus EUGOGO Classification, Assessment, and Management." *Journal of Ophthalmology* 2015.
- Bartalena, Luigi. 2013. "Diagnosis and Management of Graves Disease: A Global Overview." *Nature Reviews Endocrinology*.
- Bartalena, Luigi, Lelio Baldeschi, Kostas Boboridis, Anja Eckstein, George J. Kahaly, Claudio Marcocci, Petros Perros, Mario Salvi, and Wilmar M. Wiersinga. 2016. "The 2016 European Thyroid Association/European Group on Graves' Orbitopathy Guidelines for the Management of Graves' Orbitopathy." *European Thyroid Journal* 5(1):9–26. doi: 10.1159/000443828.
- Bartalena, Luigi, and Georg Hennemann. 2014. *Graves' Disease: Complications*.

- Benvenga, Salvatore, Giovanni Tuccari, Antonio Ieni, and Roberto Vita. 2018. "Thyroid Gland: Anatomy and Physiology." in *Encyclopedia of Endocrine Diseases*.
- Bhatt, Rina, Christine C. Nelson, and Raymond S. Douglas. 2011. "Thyroid-Associated Orbitopathy: Current Insights into the Pathophysiology, Immunology and Management." *Saudi Journal of Ophthalmology* 25(1).
- Boelaert, K., B. Torlinska, R. L. Holder, and J. A. Franklyn. 2010. "Older Subjects with Hyperthyroidism Present with a Paucity of Symptoms and Signs: A Large Cross-Sectional Study." *Journal of Clinical Endocrinology and Metabolism* 95(6):2715–26. doi: 10.1210/jc.2009-2495.
- Braverman, LE, and DS Cooper. 2013. "Thyroid Diseases : Thyrotoxicosis." in *Werner & Ingbar's The Thyroid : A Fundamental and Clinical Text*.
- Brix, Thomas Heiberg, Kirsten Ohm Kyvik, Kaare Christensen, and Laszlo Hegedüs. 2001. "Evidence for a Major Role of Heredity in Graves' Disease: A Population-Based Study of Two Danish Twin Cohorts." *Journal of Clinical Endocrinology and Metabolism* 86(2):930–34. doi: 10.1210/jc.86.2.930.
- Burch, Henry B., and David S. Cooper. 2015a. "Management of Graves Disease a Review." *JAMA - Journal of the American Medical Association*.
- Burch, Henry B., and David S. Cooper. 2015b. "Management of Graves Disease a Review." *JAMA - Journal of the American Medical Association* 314(23).
- Calcaterra, Valeria, Rossella E. Nappi, Corrado Regalbuto, Annalisa De Silvestri, Antonino Incardona, Rossella Amariti, Francesco Bassanese, Andrea Martina Clemente, Federica Vinci, Riccardo Albertini, and Daniela Larizza. 2020. "Gender Differences at the Onset of Autoimmune Thyroid Diseases in Children and Adolescents." *Frontiers in Endocrinology* 11(April):1–6. doi: 10.3389/fendo.2020.00229.
- Chai, Wenwen, Fanghua Ye, Li Zeng, Yanling Li, and Liangchun Yang. 2019. "HMGB1-Mediated Autophagy Regulates Sodium/Iodide Symporter Protein Degradation in Thyroid Cancer Cells." *Journal of Experimental and Clinical Cancer Research* 38(1):1–15. doi: 10.1186/s13046-019-1328-3.
- Chen, Ruochan, Wen Hou, Qihong Zhang, Rui Kang, Xue Gong Fan, and Daolin Tang. 2013. "Emerging Role of High-Mobility Group Box 1 (HMGB1) in Liver Diseases." *Molecular Medicine* 19(1).
- Cicatiello, Annunziata G., Daniela Di Girolamo, and Monica Dentice. 2018. "Metabolic Effects of the Intracellular Regulation of Thyroid Hormone: Old Players, New Concepts." *Frontiers in Endocrinology* 9(SEP):1–7. doi: 10.3389/fendo.2018.00474.
- Cooper, Max D., and Matthew N. Alder. 2006. "Review The Evolution of Adaptive Immune Systems." 815–22. doi: 10.1016/j.cell.2006.02.001.
- Diana, T., R. S. Brown, A. Bossowski, Maria Segni, M. Niedziela, J. König, A. Bossowska, K. Ziora, A. Hale, J. Smith, S. Pitz, M. Kanitz, and G. J. Kahaly. 2014. "Clinical Relevance of Thyroid-Stimulating Autoantibodies in Pediatric Graves' Disease-A Multicenter Study." *Journal of Clinical Endocrinology and Metabolism* 99(5):1648–55. doi: 10.1210/jc.2013-4026.
- Dolman, Peter J. 2012a. "Evaluating Graves' Orbitopathy." *Best Practice and Research: Clinical Endocrinology and Metabolism* 26(3).
- Dolman, Peter J. 2012b. "Evaluating Graves' Orbitopathy." *Best Practice and Research: Clinical Endocrinology and Metabolism* 26(3):229–48. doi: 10.1016/j.beem.2011.11.007.
- Dolman, Peter J. 2018. "Grading Severity and Activity in Thyroid Eye Disease." *Ophthalmic Plastic and Reconstructive Surgery* 34(4S Suppl 1).
- Dominguez-andres, Jorge, and Mihai G. Netea. 2019. "Long-Term Reprogramming of the Innate Immune System." (April 2018):329–38. doi: 10.1002/JLB.MR0318-104R.
- Effraimidis, Grigoris, and Wilmar M. Wiersinga. 2014. "Mechanisms in Endocrinology:

- Autoimmune Thyroid Disease: Old and New Players.” *European Journal of Endocrinology* 170(6). doi: 10.1530/EJE-14-0047.
- Elbers, Laura, Maarten Mourits, and Wilmar Wiersinga. 2011. “Outcome of Very Long-Term Treatment with Antithyroid Drugs in Graves’ Hyperthyroidism Associated with Graves’ Orbitopathy.” *Thyroid*. doi: 10.1089/thy.2010.0181.
- Ferrari, Silvia Martina, Francesca Ragusa, Sabrina Rosaria Paparo, Francesco Nasini, Marco Nardi, Stefano Sellari Franceschini, Poupak Fallahi, and Alessandro Antonelli. 2019. “Differential Modulation of CXCL8 versus CXCL10, by Cytokines, PPAR-Gamma, or PPAR-Alpha Agonists, in Primary Cells from Graves’ Disease and Ophthalmopathy.” *Autoimmunity Reviews* 18(7).
- Fiuza, Carmen, Michael Bustin, Shefali Talwar, Margaret Tropea, Eric Gerstenberger, James H. Shelhamer, and Anthony F. Suffredini. 2003. “Inflammation-Promoting Activity of HMGB1 on Human Microvascular Endothelial Cells.” *Blood* 101(7):2652–60. doi: 10.1182/blood-2002-05-1300.
- Frank, Matthew G., Michael D. Weber, Linda R. Watkins, and Steven F. Maier. 2015. “Stress Sounds the Alarmin: The Role of the Danger-Associated Molecular Pattern HMGB1 in Stress-Induced Neuroinflammatory Priming.” *Brain, Behavior, and Immunity* 48:1–7. doi: 10.1016/j.bbi.2015.03.010.
- Furugaki, Koichi, Senji Shirasawa, Naofumi Ishikawa, Kunihiro Ito, Koichi Ito, Sumihisa Kubota, Kanji Kuma, Hajime Tamai, Takashi Akamizu, Hitomi Hiratani, Masao Tanaka, and Takehiko Sasazuki. 2004. “Association of the T-Cell Regulatory Gene CTLA4 with Graves’ Disease and Autoimmune Thyroid Disease in the Japanese.” *Journal of Human Genetics* 49(3). doi: 10.1007/s10038-003-0120-5.
- Gaitonde, David Y., Kevin D. Rowley, and Lori B. Sweeney. 2012. “Hypothyroidism: An Update.” *American Family Physician* 86(3):244–51. doi: 10.1080/20786204.2012.10874256.
- Gardai, Shyra J., Kathleen A. McPhillips, S. Courtney Frasch, William J. Janssen, Anna Starefeldt, Joanne E. Murphy-Ullrich, Donna L. Bratton, Per Arne Oldenborg, Marek Michalak, and Peter M. Henson. 2005. “Cell-Surface Calreticulin Initiates Clearance of Viable or Apoptotic Cells through Trans-Activation of LRP on the Phagocyte.” *Cell* 123(2):321–34. doi: 10.1016/j.cell.2005.08.032.
- Gardella, Stefania, Cristina Andrei, Denise Ferrera, Lavinia V. Lotti, Maria R. Torrisi, Marco E. Bianchi, and Anna Rubartelli. 2002. “The Nuclear Protein HMGB1 Is Secreted by Monocytes via a Non-Classical, Vesicle-Mediated Secretory Pathway.” *EMBO Reports* 3(10):995–1001. doi: 10.1093/embo-reports/kvf198.
- Ginsberg, Jody. 2003. “Diagnosis and Management of Graves’ Disease.” *Cmaj* 168(5):575–85.
- Girgis, Christian M., Bernard L. Champion, and Jack R. Wall. 2011. “Current Concepts in Graves’ Disease.” *Therapeutic Advances in Endocrinology and Metabolism* 2(3).
- Goris, An, and Adrian Liston. 2012. “The Immunogenetic Architecture of Autoimmune Disease.” *Cold Spring Harbor Perspectives in Biology* 4(3). doi: 10.1101/cshperspect.a007260.
- Goronzy, Jörg J., and Cornelia M. Weyand. 2012. “Immune Aging and Autoimmunity.” *Cellular and Molecular Life Sciences* 69(10):1615–23. doi: 10.1007/s00018-012-0970-0.
- Gunn, Michael D., Kirsten Tangemann, Carmen Tam, Jason G. Cyster, Steven D. Rosen, and Lewis T. Williams. 1998. “A Chemokine Expressed in Lymphoid High Endothelial Venues Promotes the Adhesion and Chemotaxis of Naive T Lymphocytes.” *Proceedings of the National Academy of Sciences of the United States of America* 95(1):258–63. doi: 10.1073/pnas.95.1.258.
- den Haan, Joke M. M., Ramon Arens, and Menno C. van Zelm. 2014. “The Activation of the

- Adaptive Immune System: Cross-Talk between Antigen-Presenting Cells, T Cells and B Cells." *Immunology Letters* 162(2):103–12. doi: 10.1016/j.imlet.2014.10.011.
- Han, So Young, Soo Hyun Choi, Jeon Soo Shin, Eun Jig Lee, Sueng Han Han, and Jin Sook Yoon. 2019. "High-Mobility Group Box 1 Is Associated with the Inflammatory Pathogenesis of Graves' Orbitopathy." *Thyroid* 29(6):868–78. doi: 10.1089/thy.2018.0285.
- Holm, Ingrid A., Joann E. Manson, Karin B. Michels, Erik K. Alexander, Walter C. Willett, and Robert D. Utiger. 2005. "Smoking and Other Lifestyle Factors and the Risk of Graves' Hyperthyroidism." *Archives of Internal Medicine* 165(14):1606–11. doi: 10.1001/archinte.165.14.1606.
- Hori, Shohei, and Shimon Sakaguchi. 2004. "Foxp3: A Critical Regulator of the Development and Function of Regulatory T Cells." *Microbes and Infection* 6(8).
- Huang, Yazhuo, Sijie Fang, Dan Li, Huifang Zhou, Bin Li, and Xianqun Fan. 2019. "The Involvement of T Cell Pathogenesis in Thyroid-Associated Ophthalmopathy." *Eye (Basingstoke)* 33(2):176–82. doi: 10.1038/s41433-018-0279-9.
- Huang, Yazhuo, Sijie Fang, Shuo Zhang, and Huifang Zhou. 2020. "Progress in the Pathogenesis of Thyroid-Associated Ophthalmopathy and New Drug Development." *Taiwan Journal of Ophthalmology* 10(3).
- Inaba, Hidefumi, Hiroyuki Ariyasu, Ken Takeshima, Hiroshi Iwakura, and Takashi Akamizu. 2019. "Comprehensive Research on Thyroid Diseases Associated with Autoimmunity: Autoimmune Thyroid Diseases, Thyroid Diseases during Immune-Checkpoint Inhibitors Therapy, and Immunoglobulin-G4-Associated Thyroid Diseases." *Endocrine Journal* 66(10).
- Iyer, Seethalakshmi, and Rebecca Bahn. 2012a. "Immunopathogenesis of Graves' Ophthalmopathy: The Role of the TSH Receptor." *Best Practice and Research: Clinical Endocrinology and Metabolism*.
- Iyer, Seethalakshmi, and Rebecca Bahn. 2012b. "Immunopathogenesis of Graves' Ophthalmopathy: The Role of the TSH Receptor." *Best Practice and Research: Clinical Endocrinology and Metabolism* 26(3):281–89.
- Jaki-Mekjavić, Polona, and Matej Beltram. 2010. "Management of Patients with Graves' Orbitopathy According to EuGoGo (European Group on Graves' Orbitopathy) Consensus Statement." *Zdravniški Vestnik* 79(SUPPL.).
- Jang, Sun Young, Min Kyung Chae, Joon H. Lee, Eun Jig Lee, and Jin Sook Yoon. 2016. "Role of MiR-146a in the Regulation of Inflammation in an in Vitro Model of Graves' Orbitopathy." *Investigative Ophthalmology and Visual Science* 57(10). doi: 10.1167/iovs.16-19213.
- Jang, Sun Young, Dong Yeob Shin, Eun Jig Lee, Young Joon Choi, Sang Yeul Lee, and Jin Sook Yoon. 2013. "Correlation between TSH Receptor Antibody Assays and Clinical Manifestations of Graves' Orbitopathy." *Yonsei Medical Journal* 54(4):1033–39. doi: 10.3349/ymj.2013.54.4.1033.
- Kahaly, George J., Luigi Bartalena, Lazlo Hegedüs, Laurence Leenhardt, Kris Poppe, and Simon H. Pearce. 2018a. "2018 European Thyroid Association Guideline for the Management of Graves' Hyperthyroidism." *European Thyroid Journal* 7(4):167–86.
- Kahaly, George J., Luigi Bartalena, Lazlo Hegedüs, Laurence Leenhardt, Kris Poppe, and Simon H. Pearce. 2018b. "2018 European Thyroid Association Guideline for the Management of Graves' Hyperthyroidism." *European Thyroid Journal* 7(4).
- Kahaly, George J., Luigi Bartalena, Lazlo Hegedüs, Laurence Leenhardt, Kris Poppe, and Simon H. Pearce. 2018c. "2018 European Thyroid Association Guideline for the Management of Graves' Hyperthyroidism." *European Thyroid Journal* 7(4):167–86. doi: 10.1159/000490384.



- Kahaly, George J., Luigi Bartalena, Lazlo Hegedüs, Laurence Leenhardt, Kris Poppe, and Simon H. Pearce. 2018d. "2018 European Thyroid Association Guideline for the Management of Graves' Hyperthyroidism." *European Thyroid Journal*.
- Kawa, Miłosz P., Anna Machalińska, Grażyna Wilk, and Bogusław Machaliński. 2014. "Graves' Ophthalmopathy Imaging Evaluation." in *Thyroid Disorders - Focus on Hyperthyroidism*.
- Khatawkar, A., and S. Awati. 2015. "Thyroid Gland – Historical Aspects, Embryology, Anatomy and Physiology." [Http://Iaimjournal.Com/Wp-Content/Uploads/2015/09/Iaim\\_2015\\_0209\\_28.Pdf](Http://Iaimjournal.Com/Wp-Content/Uploads/2015/09/Iaim_2015_0209_28.Pdf).
- Kierdorf, Katrin, and Günter Fritz. 2013. "RAGE Regulation and Signaling in Inflammation and Beyond." *Journal of Leukocyte Biology* 94(1):55–68. doi: 10.1189/jlb.1012519.
- Killick, Justin, Gregoire Morisse, Dirk Sieger, and Anne L. Astier. 2018. "Complement as a Regulator of Adaptive Immunity." *Seminars in Immunopathology* 40(1):37–48. doi: 10.1007/s00281-017-0644-y.
- Kokkola, R., J. Li, E. Sundberg, A. C. Aveberger, K. Palmblad, H. Yang, K. J. Tracey, U. Andersson, and H. Erlandsson Harris. 2003. "Successful Treatment of Collagen-Induced Arthritis in Mice and Rats by Targeting Extracellular High Mobility Group Box Chromosomal Protein 1 Activity." *Arthritis and Rheumatism* 48(7):2052–58. doi: 10.1002/art.11161.
- Kotwal, Anupam, and Marius Stan. 2018a. "Current and Future Treatments for Graves' Disease and Graves' Ophthalmopathy." *Hormone and Metabolic Research* 50(12):871–86. doi: 10.1055/a-0739-8134.
- Kotwal, Anupam, and Marius Stan. 2018b. "Current and Future Treatments for Graves' Disease and Graves' Ophthalmopathy." *Hormone and Metabolic Research* 50(12). doi: 10.1055/a-0739-8134.
- Kucharska, Anna M. 2014. "Płeć i Autoimmunizacyjne Choroby Tarczycy." *Endokrynologia Pediatryczna* 13(2 (47)):57–64.
- Kuiper, George G. J. M., Monique H. A. Kester, Robin P. Peeters, and Theo J. Visser. 2005. "Biochemical Mechanisms of Thyroid Hormone Deiodination." *Thyroid*.
- Łacheta, Dominika, Krzysztof B. Poślednik, Katarzyna Czerwaty, Nils Ludwig, Marta Molińska-Glura, Ireneusz Kantor, Anna Jabłońska-Pawlak, Piotr Miśkiewicz, Alicja Głusko, Zygmunt Stopa, Jacek Brzost, and Mirosław J. Szczepański. 2021. "RAGE and HMGB1 Expression in Orbital Tissue Microenvironment in Graves' Ophthalmopathy." *Mediators of Inflammation* 2021. doi: 10.1155/2021/8891324.
- Land, Walter G. 2015a. "The Role of Damage-Associated Molecular Patterns (DAMPs) in Human Diseases Part II: DAMPs as Diagnostics, Prognostics and Therapeutics in Clinical Medicine." *Sultan Qaboos University Medical Journal* 15(2).
- Land, Walter G. 2015b. "The Role of Damage-Associated Molecular Patterns in Human Diseases: Part I - Promoting Inflammation and Immunity." *Sultan Qaboos University Medical Journal* 15(1).
- Larsen, P. Reed, and Ann Marie Zavacki. 2012. "Role of the Iodothyronine Deiodinases in the Physiology and Pathophysiology of Thyroid Hormone Action." *European Thyroid Journal*. doi: 10.1159/000343922.
- Laurberg, Peter, Göran Wallin, Leif Tallstedt, Mirna Abraham-Nordling, Göran Lundell, and Ove Törring. 2008. "TSH-Receptor Autoimmunity in Graves' Disease after Therapy with Anti-Thyroid Drugs, Surgery, or Radioiodine: A 5-Year Prospective Randomized Study." *European Journal of Endocrinology* 158(1):69–75. doi: 10.1530/EJE-07-0450.
- Lazarus, John H. 2012. "Epidemiology of Graves' Orbitopathy (GO) and Relationship with Thyroid Disease." *Best Practice and Research: Clinical Endocrinology and Metabolism*.
- Li, Cui, Jianghong Yuan, Yuan Feng Zhu, Xiang Ju Yang, Qiong Wang, Jian Xu, Shuang Tao

- He, and Jin An Zhang. 2016. "Imbalance of Th17/Treg in Different Subtypes of Autoimmune Thyroid Diseases." *Cellular Physiology and Biochemistry* 40(1–2). doi: 10.1159/000452541.
- Li, Jianhua, Riikka Kokkola, Siamak Tabibzadeh, Runkuan Yang, Mahendar Ochani, Xiaoling Qiang, Helena E. Harris, Christopher J. Czura, Haichao Wang, Luis Ulloa, Hong Wang, H. Shaw Warren, Lyle L. Moldawer, Mitchell P. Fink, Ulf Andersson, Kevin J. Tracey, and Huan Yang. 2003. "Structural Basis for the Proinflammatory Cytokine Activity of High Mobility Group Box 1." *Molecular Medicine* 9(1–2):37–45. doi: 10.1007/bf03402105.
- Loscalzo, Diane E. Handy Rita Castro Joseph. 2011. "基因的改变NIH Public Access." *Bone* 23(1):1–7. doi: 10.1016/j.beem.2011.10.003.Immunopathogenesis.
- Lu, Ben, Ce Wang, Mao Wang, Wei Li, Fangping Chen, Kevin J. Tracey, and Haichao Wang. 2014. "Molecular Mechanism and Therapeutic Modulation of High Mobility Group Box 1 Release and Action: An Updated Review." *Expert Review of Clinical Immunology* 10(6):713–27. doi: 10.1586/1744666X.2014.909730.
- Lu, Ben, Haichao Wang, Ulf Andersson, and Kevin J. Tracey. 2013. "Regulation of HMGB1 Release by Inflammasomes." *Protein and Cell* 4(3):163–67. doi: 10.1007/s13238-012-2118-2.
- Maheshwari, Rajat, and Ezekiel Weis. 2012. "Thyroid Associated Orbitopathy." *Indian Journal of Ophthalmology*. doi: 10.4103/0301-4738.94048.
- Marshall, Jean S., Richard Warrington, Wade Watson, and Harold L. Kim. 2018. "An Introduction to Immunology and Immunopathology." *Allergy, Asthma and Clinical Immunology* 14(Suppl 1):1–8. doi: 10.1186/s13223-018-0278-1.
- Marson, Alexander, William J. Housley, and David A. Hafler. 2015. "Genetic Basis of Autoimmunity." *Journal of Clinical Investigation* 125(6):2234–41. doi: 10.1172/JCI78086.
- Massart, Catherine, Rémy Sapin, Jacqueline Gibassier, Arnaud Agin, and Michèle D'Herbomez. 2009. "Intermethod Variability in TSH-Receptor Antibody Measurement: Implication for the Diagnosis of Graves Disease and for the Follow-up of Graves Ophthalmopathy." *Clinical Chemistry* 55(1):183–86. doi: 10.1373/clinchem.2008.115162.
- Mitola, Stefania, Mirella Belleri, Chiara Urbinati, Daniela Coltrini, Bianca Sparatore, Marco Pedrazzi, Edon Melloni, and Marco Presta. 2006. "Cutting Edge: Extracellular High Mobility Group Box-1 Protein Is a Proangiogenic Cytokine." *The Journal of Immunology* 176(1):12–15. doi: 10.4049/jimmunol.176.1.12.
- Musumeci, Domenica, Giovanni N. Roviello, and Daniela Montesarchio. 2014. "An Overview on HMGB1 Inhibitors as Potential Therapeutic Agents in HMGB1-Related Pathologies." *Pharmacology and Therapeutics* 141(3):347–57. doi: 10.1016/j.pharmthera.2013.11.001.
- Nabi, Tauseef, and Nadeema Rafiq. 2020. "Factors Associated with Severity of Orbitopathy in Patients with Graves' Disease." *Taiwan Journal of Ophthalmology* 10(3). doi: 10.4103/tjo.tjo\_10\_20.
- Okeke, Emeka B., and Jude E. Uzonna. 2019. "The Pivotal Role of Regulatory T Cells in the Regulation of Innate Immune Cells." *Frontiers in Immunology* 10(APR).
- Park, So Youn, Sung Won Lee, Hye Young Kim, Won Suk Lee, Ki Whan Hong, and Chi Dae Kim. 2015. "HMGB1 Induces Angiogenesis in Rheumatoid Arthritis via HIF-1 $\alpha$  Activation." *European Journal of Immunology* 45(4):1216–27. doi: 10.1002/eji.201444908.
- Peng, Shiqiao, Chenyan Li, Xinyi Wang, Xin Liu, Cheng Han, Ting Jin, Shanshan Liu, Xiaowen Zhang, Hanyi Zhang, Xue He, Xiaochen Xie, Xiaohui Yu, Chuyuan Wang, Ling Shan, Chenling Fan, Zhongyan Shan, and Weiping Teng. 2016. "Increased Toll-like

- Receptors Activity and TLR Ligands in Patients with Autoimmune Thyroid Diseases.” *Frontiers in Immunology* 7(DEC). doi: 10.3389/fimmu.2016.00578.
- Penta, Laura, Giulia Muzi, Marta Cofini, Alberto Leonardi, Lucia Lanciotti, and Susanna Esposito. 2019. “Corticosteroids in Moderate-to-Severe Graves’ Ophthalmopathy: Oral or Intravenous Therapy?” *International Journal of Environmental Research and Public Health* 16(1). doi: 10.3390/ijerph16010155.
- Perros, P., L. Hegedüs, L. Bartalena, C. Marcocci, G. J. Kahaly, L. Baldeschi, M. Salvi, J. H. Lazarus, A. Eckstein, S. Pitz, K. Boboridis, P. Anagnostis, G. Ayvaz, A. Boschi, T. H. Brix, N. Currò, O. Konuk, M. Marinò, A. L. Mitchell, B. Stankovic, F. B. Törüner, G. Von Arx, M. Zarković, and W. M. Wiersinga. 2017a. “Graves’ Orbitopathy as a Rare Disease in Europe: A European Group on Graves’ Orbitopathy (EUGOGO) Position Statement.” *Orphanet Journal of Rare Diseases*.
- Perros, P., L. Hegedüs, L. Bartalena, C. Marcocci, G. J. Kahaly, L. Baldeschi, M. Salvi, J. H. Lazarus, A. Eckstein, S. Pitz, K. Boboridis, P. Anagnostis, G. Ayvaz, A. Boschi, T. H. Brix, N. Currò, O. Konuk, M. Marinò, A. L. Mitchell, B. Stankovic, F. B. Törüner, G. Von Arx, M. Zarković, and W. M. Wiersinga. 2017b. “Graves’ Orbitopathy as a Rare Disease in Europe: A European Group on Graves’ Orbitopathy (EUGOGO) Position Statement.” *Orphanet Journal of Rare Diseases* 12(1).
- Pillai, Sanesh, and Miguel Debono. 2020. “Physiology of the Pituitary, Thyroid, Parathyroid and Adrenal Glands.” *Surgery (United Kingdom)* 38(12):763–78. doi: 10.1016/j.mpsur.2020.10.010.
- Policeni, Bruno A., Wendy R. K. Smoker, and Deborah L. Reede. 2012. “Anatomy and Embryology of the Thyroid and Parathyroid Glands.” *Seminars in Ultrasound, CT and MRI*. doi: 10.1053/j.sult.2011.12.005.
- Pritchard, Jane, Rui Han, Noah Horst, William W. Cruikshank, and Terry J. Smith. 2003. “Immunoglobulin Activation of T Cell Chemoattractant Expression in Fibroblasts from Patients with Graves’ Disease Is Mediated Through the Insulin-Like Growth Factor I Receptor Pathway.” *The Journal of Immunology* 170(12):6348–54. doi: 10.4049/jimmunol.170.12.6348.
- Razvi, Salman, Bijay Vaidya, Petros Perros, and Simon H. S. Pearce. 2006. “What Is the Evidence behind the Evidence-Base? The Premature Death of Block-Replace Antithyroid Drug Regimens for Graves’ Disease.” *European Journal of Endocrinology*. doi: 10.1530/eje.1.02169.
- Richards *et al.* 2018. “乳鼠心肌提取 HHS Public Access.” *Physiology & Behavior* 176(5):139–48. doi: 10.1016/j.bbagr.2009.11.019.Targeting.
- Riordan, Paul, and James J. Augsburger. 2018. *Vaughan and Asbury’s General Ophthalmology*. Vol. 369.
- Roh, Jong Seong, and Dong Hyun Sohn. 2018. “Damage-Associated Molecular Patterns in Inflammatory Diseases.” *Immune Network* 18(4).
- Rosenblum, Michael D., Kelly A. Remedios, and Abul K. Abbas. 2015a. “Mechanisms of Human Autoimmunity.” *Journal of Clinical Investigation*. doi: 10.1172/JCI78088.
- Rosenblum, Michael D., Kelly A. Remedios, and Abul K. Abbas. 2015b. “Mechanisms of Human Autoimmunity.” *Journal of Clinical Investigation* 125(6):2228–33. doi: 10.1172/JCI78088.
- Ross, Douglas S., Henry B. Burch, David S. Cooper, M. Carol Greenlee, Peter Laurberg, Ana Luiza Maia, Scott A. Rivkees, Mary Samuels, Julie Ann Sosa, Marius N. Stan, and Martin A. Walter. 2016. “2016 American Thyroid Association Guidelines for Diagnosis and Management of Hyperthyroidism and Other Causes of Thyrotoxicosis.” *Thyroid* 26(10). doi: 10.1089/thy.2016.0229.
- Rydzewska, Marta, Michał Jaromin, Izabela Elzbieta Pasierowska, Karlina Stozek, and Artur

- Bossowski. 2018. "Role of the T and B Lymphocytes in Pathogenesis of Autoimmune Thyroid Diseases." *Thyroid Research* 11(1). doi: 10.1186/s13044-018-0046-9.
- Smith, Terry J., Laszlo Hegedüs, and Raymond S. Douglas. 2012. "Role of Insulin-like Growth Factor-1 (IGF-1) Pathway in the Pathogenesis of Graves' Orbitopathy." *Best Practice and Research: Clinical Endocrinology and Metabolism* 26(3).
- Song, Yiyun, Xuan Yao, and Hao Ying. 2011. "Thyroid Hormone Action in Metabolic Regulation." *Protein and Cell* 2(5).
- Stan, Marius N., and Rebecca S. Bahn. 2010. "Risk Factors for Development or Deterioration of Graves' Ophthalmopathy." *Thyroid: Official Journal of the American Thyroid Association* 20(7):777–83. doi: 10.1089/thy.2010.1634.
- Struja, Tristan, Hannah Fehlberg, Alexander Kutz, Larissa Guebelin, Christian Degen, Beat Mueller, and Philipp Schuetz. 2017. "Can We Predict Relapse in Graves' Disease? Results from a Systematic Review and Meta-Analysis." *European Journal of Endocrinology*. doi: 10.1530/EJE-16-0725.
- Sun, Joseph C., Sophie Ugolini, and Eric Vivier. 2014. "Immunological Memory within the Innate Immune System." *EMBO Journal* 33(12):1295–1303. doi: 10.1002/emboj.201387651.
- Sun, Wenping, Yulian Jiao, Bin Cui, Xuejun Gao, Yu Xia, and Yueran Zhao. 2013. "Immune Complexes Activate Human Endothelium Involving the Cell-Signaling HMGB1-RAGE Axis in the Pathogenesis of Lupus Vasculitis." *Laboratory Investigation* 93(6):626–38. doi: 10.1038/labinvest.2013.61.
- Sundares, Vishnu, Juan P. Brito, Zhen Wang, Larry J. Prokop, Marius N. Stan, Mohammad H. Murad, and Rebecca S. Bahn. 2013. "Comparative Effectiveness of Therapies for Graves' Hyperthyroidism: A Systematic Review and Network Meta-Analysis." *Journal of Clinical Endocrinology and Metabolism*. doi: 10.1210/jc.2013-1954.
- Taylor, Peter N., Lei Zhang, Richard W. J. Lee, Ilaria Muller, Daniel G. Ezra, Colin M. Dayan, George J. Kahaly, and Marian Ludgate. 2020. "New Insights into the Pathogenesis and Nonsurgical Management of Graves Orbitopathy." *Nature Reviews Endocrinology* 16(2).
- Tomer, Yaron. 2010. "Genetic Susceptibility to Autoimmune Thyroid Disease: Past, Present, and Future." *Thyroid: Official Journal of the American Thyroid Association* 20(7).
- Tomer, Yaron. 2014. "Mechanisms of Autoimmune Thyroid Diseases: From Genetics to Epigenetics." *Annual Review of Pathology: Mechanisms of Disease* 9(212):147–56. doi: 10.1146/annurev-pathol-012513-104713.
- Tozzoli, R., M. Bagnasco, D. Giavarina, and N. Bizzaro. 2012. "TSH Receptor Autoantibody Immunoassay in Patients with Graves' Disease: Improvement of Diagnostic Accuracy over Different Generations of Methods. Systematic Review and Meta-Analysis." *Autoimmunity Reviews*.
- Tun, Nyo Nyo Z., Geoff Beckett, Nicola N. Zammitt, Mark W. J. Strachan, Jonathan R. Seckl, and Fraser W. Gibb. 2016. "Thyrotropin Receptor Antibody Levels at Diagnosis and after Thionamide Course Predict Graves' Disease Relapse." *Thyroid* 26(8). doi: 10.1089/thy.2016.0017.
- Vadasz, Zahava, Tharwat Haj, Aharon Kessel, and Elias Toubi. 2013. "Age-Related Autoimmunity." 11–14.
- Vénéreau, Emilie, Chiara Ceriotti, and Marco Emilio Bianchi. 2015. "DAMPs from Cell Death to New Life." *Frontiers in Immunology* 6(AUG).
- Vissenberg, R., V. D. Manders, S. Mastenbroek, E. Fliers, G. B. Afink, C. Ris-Stalpers, M. Goddijn, and P. H. Bisschop. 2015. "Pathophysiological Aspects of Thyroid Hormone Disorders/Thyroid Peroxidase Autoantibodies and Reproduction." *Human Reproduction Update* 21(3). doi: 10.1093/humupd/dmv004.
- Visser, W. Edward, Edith C. H. Friesema, and Theo J. Visser. 2011. "Minireview: Thyroid



- Hormone Transporters: The Knowns and the Unknowns.” *Molecular Endocrinology* 25(1).
- Vlainich, Ana R., João H. Romaldini, Ana B. Pedro, Chady S. Farah, and Cicero A. Sinisgalli. 2011. “Ultrasonography Compared to Magnetic Resonance Imaging in Thyroid-Associated Graves’ Ophthalmopathy.” *Arquivos Brasileiros de Endocrinologia e Metabologia*. doi: 10.1590/s0004-27302011000300002.
- Vos, Xander G., Erik Endert, A. H. Zwinderman, Jan G. P. Tijssen, and Wilmar M. Wiersinga. 2016. “Predicting the Risk of Recurrence before the Start of Antithyroid Drug Therapy in Patients with Graves’ Hyperthyroidism.” *Journal of Clinical Endocrinology and Metabolism*. doi: 10.1210/jc.2015-3644.
- Weetman, Anthony P. 2019. “Thyroid Disease.” in *The Autoimmune Diseases*.
- Wiersinga, Wilmar M. 2019. “Graves’ Disease: Can It Be Cured?” *Endocrinology and Metabolism*.
- Yang, Huan, Hui Liu, Qiong Zeng, Gavin H. Imperato, Meghan E. Addorisio, Jianhua Li, Mingzhu He, Kai Fan Cheng, Yousef Al-Abed, Helena E. Harris, Sangeeta S. Chavan, Ulf Andersson, and Kevin J. Tracey. 2019. “Inhibition of HMGB1/RAGE-Mediated Endocytosis by HMGB1 Antagonist Box A, Anti-HMGB1 Antibodies, and Cholinergic Agonists Suppresses Inflammation.” *Molecular Medicine* 25(1):1–13. doi: 10.1186/s10020-019-0081-6.
- Yang, Huan, Haichao Wang, Sangeeta S. Chavan, and Ulf Andersson. 2015. “High Mobility Group Box Protein 1 (HMGB1): The Prototypical Endogenous Danger Molecule.” *Molecular Medicine* 21:S6–12. doi: 10.2119/molmed.2015.00087.
- Yoo, Won Sang, and Hyun Kyung Chung. 2016. “Recent Advances in Autoimmune Thyroid Diseases.” *Endocrinology and Metabolism* 31(3).
- Zandman-Goddard, Gisele, Elena Peeva, and Yehuda Shoenfeld. 2007. “Gender and Autoimmunity.” *Autoimmunity Reviews* 6(6):366–72. doi: 10.1016/j.autrev.2006.10.001.
- Zhou, Rong Rong, Shu Shan Zhao, Ming Xiang Zou, Pan Zhang, Bao Xing Zhang, Xia Hong Dai, Ning Li, Hong Bo Liu, Haichao Wang, and Xue Gong Fan. 2011. “HMGB1 Cytoplasmic Translocation in Patients with Acute Liver Failure.” *BMC Gastroenterology* 11(II):1–11. doi: 10.1186/1471-230X-11-21.
- Zimmermann, Michael B., and Kristien Boelaert. 2015. “Iodine Deficiency and Thyroid Disorders.” *The Lancet Diabetes and Endocrinology* 3(4):286–95. doi: 10.1016/S2213-8587(14)70225-6.