

[首页](#)[最新一期](#)[期刊动态](#)[过刊浏览](#)[医学视频](#)[在线投稿](#)[期刊检索](#)[期刊订阅](#)[合作科室](#)

期刊导读

8卷17期 2014年9月 [最新]



期刊存档

期刊存档

[查看目录](#)

期刊订阅



在线订阅



邮件订阅



RSS

作者中心



资质及晋升信息



作者查稿



写作技巧



投稿方式



作者指南

编委会

期刊服务



建议我们



会员服务



广告合作



继续教育

您的位置: [首页](#)>> [文章摘要](#)

中文 English

IgG4相关性疾病的发病机制及进展

苏玉莹, 王晨琼, 董凌莉

430030 武汉, 华中科技大学同济医学院附属同济医院风湿免疫内科

董凌莉, Email: dongll@tjh.tjmu.edu.cn

摘要: IgG4相关性疾病是一种多器官、多系统受累的新被认识的疾病, 其主要特征为: 血清IgG4+浆细胞浸润。IgG4相关性疾病临床表现复杂多样, 可涉及多个学科, 临床易漏诊和误诊。本传、感染和分子模拟、免疫学角度等多方面阐述IgG4相关性疾病的发病机制, 以加深临床医师对

关键词: 免疫球蛋白G; IgG4相关性疾病

[评论](#) [收藏](#) [全](#)

文献标引: 苏玉莹, 王晨琼, 董凌莉. IgG4相关性疾病的发病机制及进展[J/CD]. 中华临床医师杂志: 电子版, 20

[复制](#)

参考文献:

[1] Hamano H, Kawa S, Horiuchi A, et al. High serum IgG4 concentrations in patients with autoimmune pancreatitis[J]. N Engl J Med, 2001, 344(10): 732-738.

[2] Kamisawa T, Funata N, Hayashi Y, et al. A new clinicopathological entity of autoimmune disease[J]. Gastroenterol, 2003, 38(10): 982-984.

[3] Stone JH, Khosroshahi A, Deshpande V, et al. Recommendations for the nomenclature of IgG4-related disease and its individual organ system manifestations[J]. Arthritis Rheum, 2012, 54(11): 3607.

[4] Kawa S, Ota M, Yoshizawa K, et al. HLA DRB1*0405-DQB1*0401 haplotype is associated with autoimmune pancreatitis in the Japanese population[J]. Gastroenterology, 2002, 122(5): 1264-1268.

[5] Park do H, Kim MH, Oh HB, et al. Substitution of aspartic acid at position 54 of CTLA-4 gene affects relapse of autoimmune pancreatitis[J]. Gastroenterology, 2008, 134(2): 440-445.

[6] Chang MC, Chang YT, Tien YW, et al. T-cell regulatory gene CTLA-4 Polymorphism is associated with autoimmune pancreatitis[J]. Clin Chem, 2007, 53(9): 1700-1705.

[7] Kochi Y, Yamada R, Suzuki A, et al. A functional variant in FCRL3, encoding I

[8] Umemura T, Ota M, Hamano H, et al. Genetic association of Fc receptor-like 3 autoimmune pancreatitis in Japanese patients[J]. *Gut*, 2006, 55(9): 1367-1368.

[9] Guarneri F, Guarneri C, Benvenga S. Helicobacter pylori and autoimmune pancreatic carbonic anhydrase via molecular mimicry[J]. *Cell Mol Med*, 2005, 9(3): 741-744.

[10] Frulloni L, Lunardi C, Simone R, et al. Identification of a novel antibody in autoimmune pancreatitis[J]. *N Engl J Med*, 2009, 361(22): 2135-2142.

[11] Okazaki K, Uchida K, Ohana M, et al. Autoimmune-related pancreatitis is associated with autoantibodies and a Th1/Th2-type cellular immune response[J]. *Gastroenterology*, 200

[12] Aparisi L, Farre A, Gomez-Cambronero L, et al. Antibodies to carbonic anhydrase in idiopathic chronic pancreatitis: relevance for diagnosis of autoimmune pancreatitis[J]. *Gut*, 2005, 54(5): 703-709.

[13] Asada M, Nishio A, Uchida K, et al. Identification of a novel autoantibody to secretory trypsin inhibitor in patients with autoimmune pancreatitis[J]. *Pancreas*, 200

[14] Yamamoto M, Naishiro Y, Suzuki C, et al. Proteomics analysis in 28 patients with IgG4-related plasmacytic syndrome[J]. *Rheumatol Int*, 2010, 30(4): 565-568.

[15] Takahashi H, Yamamoto M, Tabeya T, et al. The immunology and clinical characteristics of IgG4-related diseases[J]. *J Autoimmun*, 2012, 39(1/2): 93-96.

[16] Watanabe T, Yamashita K, Fujikawa S, et al. Involvement of activation of Toll-like receptors and nucleotide-binding oligomerization domain-like receptors in enhanced IgG4 response in autoimmune pancreatitis[J]. *Arthritis Rheum*, 2012, 64(3): 914-924.

[17] Watanabe T, Yamashita K, Sakurai T, et al. Toll-like receptor activation in IgG4-related disease contributes to the development of IgG4-related disease[J]. *J Gastroenterol*, 2013, 48

[18] Akitake R, Watanabe T, Zaima C, et al. Possible involvement of T helper type 2 cells and Toll-like receptor ligands in IgG4-related sclerosing disease[J]. *Gut*, 2010, 59(4):

[19] Kiyama, K, Kawabata D, Hosono Y, et al. Serum BAFF and APRIL levels in patients with IgG4-related disease and their clinical significance[J]. *Arthritis Res Ther*, 2012, 14(2):

[20] Yamanishi H, Kumagi T, Yokota T, et al. Clinical significance of B cell-activating factor in autoimmune pancreatitis[J]. *Pancreas*, 2011, 40(6): 840-845.

[21] Zen Y, Fujii T, Harada K, et al. Th2 and regulatory immune reactions are involved in IgG4-immunoglobulin G4-related sclerosing pancreatitis and cholangitis[J]. *Hepatology*, 2007

[22] Kanari H, Kagami S, Kashiwakuma D, et al. Role of Th2 cells in IgG4-related disease and its enlargement[J]. *Int Arch Allergy Immunol*, 2010, 152 Suppl 1: 47-53.

[23] Takeuchi M, Sato Y, Ohno K, et al. T helper 2 and regulatory T-cell cytokines are essential for the pathogenesis of IgG4-related disease[J]. *Mod Pathol*, 2014

[24] Koyabu M, Uchida K, Miyoshi H, et al. Analysis of regulatory T cells and IgG4⁺ cells among patients of IgG4-related sclerosing cholangitis and autoimmune liver disease. *Gastroenterol*, 2010, 45(7): 732-741.

[25] Esposito I, Born D, Bergmann F, et al. Autoimmune pancreatocholangitis, non-pancreatitis and primary sclerosing cholangitis: a comparative morphological and immunohistochemical study [J]. *PLoS One*, 2008, 3(7): e2539.

[26] Tanaka, A, Moriyama M, Nakashima H, et al. TH2 and regulatory immune reaction and IgG4 production and the initiation of Mikulicz' s disease[J]. *Arthritis Rheum*, 2012,

[27] Kudo-Tanaka E, Nakatsuka S, Hirano T, et al. A case of Mikulicz' s disease with a unique cytokine profile: possible feature discriminable from Sjogren' s syndrome[J]. *Mod Rheumatol*, 2012, 22(6): 691-695.

[28] Yamamoto M, Harada S, Ohara M, et al. Clinical and pathological differences between Mikulicz' s disease and Sjogren' s syndrome[J]. *Rheumatology (Oxford)*, 2005, 44(2): 227-234.

[29] Maehara T, Moriyama M, Nakashima H, et al. Interleukin-21 contributes to germinal center formation and immunoglobulin G4 production in IgG4-related dacryoadenitis and sialoadenitis in Mikulicz' s disease[J]. *Ann Rheum Dis*, 2012, 71(12): 2011-2019.

[30] Nakashima H, Miyake K, Moriyama M, et al. An amplification of IL-10 and TGF- β 1 with IgG4-related tubulointerstitial nephritis[J]. *Clin Nephrol*, 2010, 73(5): 385-390.

[31] Ohta N, Kurakami K, Ishida A, et al. Roles of TGF- β and periostin in fibrosis in patients with IgG4-related diseases[J]. *Acta Otolaryngol*, 2013, 133(12): 1322-1327.

[32] Conway SJ, Doetschman T, Azhar M. The inter-relationship of periostin, TGF- β 1 and heart valve development and valvular heart diseases[J]. *Scientific World Journal*, 2013, 2013: 1524.

[33] Sidhu SS, Yuan S, Innes AL, et al. Roles of epithelial cell-derived periostin in airway hyper-activation, collagen production, and collagen gel elasticity in asthma[J]. *Proc Natl Acad Sci U S A*, 2010, 107(32): 14170-14175.

[34] Khosroshahi A, Bloch DB, Deshpande V, et al. Rituximab therapy leads to rapid reduction in IgG4 levels and prompt clinical improvement in IgG4-related systemic disease[J]. *Arthritis Rheum*, 2010, 62(6): 1755-1762.

[35] Amin K. The role of mast cells in allergic inflammation[J]. *Respir Med*, 2011, 105(10): 1531-1539.

[36] Aalberse RC, Stapel SO, Schuurman J, et al. Immunoglobulin G4: an odd antibody. *Allergy*, 2009, 39(4): 469-477.

[37] Stone JH, Zen Y, Deshpande V. IgG4-related disease[J]. *N Engl J Med*, 2012, 366(10): 909-917.

[38] Geyer JT, Niesvizky R, Jayabalan DS, et al. IgG4 plasma cell myeloma: new insights into the pathogenesis of IgG4-related disease[J]. *Mod Pathol*, 2014, 27(3): 375-381.

[39] Tabata T, Kamisawa T, Takuma K, et al. Serum IgG4 concentrations and IgG4-related disease[J]. *Clin Chim Acta*, 2009, 408(1-2): 25-28.

[40] Ghazale A, Chari ST, Smyrk TC, et al. Value of serum IgG4 in the diagnosis of pancreatitis and in distinguishing it from pancreatic cancer[J]. Am J Gastroenterol 2014;8(14):2696-2700.

综 述

活化T细胞核因子与肿瘤的研究进展

赵宏, 赵守华. .中华临床医师杂志: 电子版
2014;8(14):2696-2700.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

循环肿瘤细胞研究新进展

田向阳, 魏子白. .中华临床医师杂志: 电子版
2014;8(14):2701-2703.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

DWI在前列腺癌诊断中的应用进展

杨毅, 赵文露, 卢艳丽, 沈钧康. .中华临床医师杂志: 电子版
2014;8(14):2704-2707.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

超声在继发性甲状旁腺功能亢进诊断中的应用进展

范小娇, 张惠卿. .中华临床医师杂志: 电子版
2014;8(14):2708-2712.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

IgG4相关性疾病的发病机制及进展

苏玉莹, 王晨琼, 董凌莉. .中华临床医师杂志: 电子版
2014;8(14):2713-2717.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

肝胆管结石精准肝切除三维可视化研究进展

陈玥琦, 李恺. .中华临床医师杂志: 电子版
2014;8(14):2718-2720.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

伊伐布雷定在心血管疾病中的研究新进展

于怡卉, 李明慧, 许周涛, 胡作英. .中华临床医师杂志: 电子版
2014;8(14):2721-2724.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

多层螺旋CT在先天性心脏病的应用现状

陈险峰, 马小静, 江帆, 李林. .中华临床医师杂志: 电子版
2014;8(14):2725-2728.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

全身麻醉下儿童口腔治疗

陈小贤, 葛立宏, 张红梅, 钟洁. .中华临床医师杂志: 电子版
2014;8(14):2729-2733.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

Podocalyxin对糖尿病肾病的早期诊断价值的探讨

杜娟, 邱若旗. .中华临床医师杂志: 电子版
2014;8(14):2734-2737.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

维持性血液透析患者的氨基酸平衡及管理对策

杜娟, 李爽. . 中华临床医师杂志: 电子版
2014;8(14):2738-2742.

[摘要](#) [FullText](#) [PDF](#) [评论](#) [收藏](#)

| [编委会](#) | [联系我们](#) | [合作伙伴](#) | [友情链接](#) |

© 2014版权声明 中华临床医师杂志(电子版)编辑部
网站建设: 北京华夏世通信息技术有限公司 京ICP备0
北京市公安局西城分局备案编号: 110102000676