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ImmunoglobulinG4-related kidney diseases: an updated review

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Abstract

This review will encompass definition, pathogenesis, renal clinical manifestations and treatment of immunoglobulin G4-related diseases (IgG4-RDs). IgG4-RD is a recently recognized clinical entity that often involves multiple organs and is characterized by high levels of serum immunoglobulinsG4, dense infiltration of IgG4+ cells and storiform fibrosis. Cellular immunity, particularly T-cell mediated immunity, has been implicated in the pathogenesis of IgG4-RDs. The most frequent renal manifestations of IgG4-RD are IgG4-related tubulointerstitial nephritis (TIN), membranous glomerulopathy (MGN) and obstructive nephropathy secondary to urinary tract obstruction due to IgG4-related retroperitoneal fibrosis. IgG4-RD diagnosis should be based on specific histopathological findings, confirmed by tissue immunostaining, typical radiological findings and an appropriate clinical context. The first line treatment is the steroids with two warnings: steroid resistance and relapse after discontinuation. In the case of steroid resistance, B cell depleting agents as rituximab represent the second-line treatment. In the case of relapse after discontinuation, steroid treatment may be associated with steroid sparing agents.

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1	Crossref 132 words Cortazar, Frank B., and John H. Stone. "IgG4-related disease and the kidney", <i>Nature Reviews Nephrology</i> , 2015.	3%
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IgG4-related disease

JH Stone, Y Zen, V Deshpande - New England Journal of ..., 2012 - Mass Medical Soc
... every organ system: the biliary tree, salivary glands, periorbital tissues, kidneys, lungs, lymph ...
in images varies considerably, particularly in the lung and kidney.77 The ... are generally nonspecific
and do not permit reliable distinctions between IgG4-related disease and cancer. ...

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... computed tomography (CT) scan before corticosteroid therapy shows multiple low-density lesions
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IgG4-related disease: a cross-sectional study of 114 cases

Y Zen, Y Nakanuma - The American journal of surgical pathology, 2010 - journals.lww.com
... Skip Navigation Links Home > December 2010 - Volume 34 - Issue 12 > IgG4-Related Disease:
A Cross-sectional Study of 114 Cases. ... Original Articles. IgG4-Related Disease: A Cross-sectional
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International consensus guidance statement on the management and treatment of IgG4-related disease

A Khosroshahi, ZS Wallace, JL Crowe... - Arthritis & ..., 2015 - Wiley Online Library
... of their history of publication on IgG4-RD and their recognized clinical expertise pertaining to
the condition. ... A variety of diseases can be mistaken for IgG4-RD, and the list of disorders to ... Table
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MN Carruthers, JH Stone... - Current opinion in ..., 2012 - journals.lww.com

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M Kawano, T Saeki - Current opinion in nephrology and ..., 2015 - ncbi.nlm.nih.gov

... CT) scan before corticosteroid therapy shows multiple low-density lesions in the bilateral kidneys in a ... Immunoglobulin G4-related disease in genitourinary organs: an emerging fibroinflammatory entity often misdiagnosed preoperatively as cancer ... Kidney Int 2010; 78:1016–1023 ...

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A clinical overview of IgG4-related systemic disease

A Khosroshahi, JH Stone - Current opinion in rheumatology, 2011 - journals.lww.com

Purpose of review: To summarize the existing knowledge of various clinical presentations of IgG4-rel.

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IgG4-related disease

JH Stone, Y Zen, V Deshpande - New England Journal of ..., 2012 - Mass Medical Soc

... All immunoglobulin subclasses may be represented within involved tissue, but IgG4 predominates ... The high percentage of IgG4 antibodies that have become bispecific immunoglobulins through the Fab ... pancreas and an irregular, low-attenuation area (arrow) in the left kidney ...

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[HTML] Th2 and regulatory immune reactions are increased in immunoglobulin G4-related sclerosing pancreatitis and cholangitis

[HTML] nih.gov

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作者: K Zheng - 2017

Immunoglobulin G4-related disease (IgG4-RD) is a recently recognized clinical entity that often involves multiple organs; it is characterized by high levels of serum immunoglobulin G4 (IgG4), dense infiltration of IgG4+ cells, and storiform fibrosis. Cellular immunity, particularly T cell-mediated immunity, has been implicated ...

IgG4-related kidney disease – an update - NCBI - NIH

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作者: M Kawano - 2015 - 被引用次数: 40 - 相关文章

2015年2月11日 - Purpose of review. IgG4-related disease (IgG4-RD) is a recently recognized systemic inflammatory disorder that can affect most organs/tissues such as sarcoidosis. The kidney is a frequently affected organ with tubulointerstitial nephritis (TIN), the representative lesion of IgG4-RD. This review focuses on the ...

Immunoglobulin G4-Related Kidney Disease: A ... - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/26357500> - 翻译此页

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Korean J Radiol. 2015 Sep-Oct 16(5):1056-67. doi: 10.3348/kir.2015.16.5.1056. Epub 2015 Aug 21