

ORIGINAL CONTRIBUTIONS via PEER REVIEW JOURNALS

** High-lighted as the editor's choice

selected for discussion as outstanding interest by the American Academy of Allergy, Asthma and Immunology (AAAAI)

1. Glenis. K. Scadding, **Harsha H Kariyawasam** et al.

BSACI guideline for the diagnosis and management of allergic and non-allergic rhinitis (Revised Edition 2017; First edition 2007) (in press CEA 2017)

2. Claus Bachert, Ana R. Sousa, Valerie J. Lund, Glenis K. Scadding, Philippe Gevaert, Shuaib Nasser, Stephen R. Durham, Marjolein E. Cornet, **Harsha H. Kariyawasam**, Jane Gilbert, Daren Austin, Aoife C. Maxwell, Richard P. Marshall, Wytse J. Fokkens

Reduced need for surgery in severe nasal polyposis with mepolizumab: a randomized trial (in press JACI 2017)

3. Jiun-Bo Chen, Louisa K. James, Anna M. Davies, Y-C Wu, Joanne Rimmer, Valerie J. Lund, Jou-Han Chen, James M McDonnell Yih-Chih Chan, Tse Wen Chang, Brian J. Sutton, **Kariyawasam HH** and Hannah J. Gould

Antibodies and Superantibodies in Chronic Rhinosinusitis with Nasal Polyps#

J Allergy Clin Immunol. 2016 Sep 19. S0091-6749(16)30967-8 (*AAAAI selected to read*)

4. Emily P.S. Lam, **Kariyawasam HH**, Batika M.J. Rana, Stephen R. Durham, Andrew N. McKenzie, Nicholas Powell, Joanne Rimmer, Valerie J. Lund, David J. Cousins and Stephen J. Till
IL-25/IL-33 responsive oligoclonal Th2 cells characterize nasal polyps with Th17 as the default healthy nasal mucosal signature

J Allergy Clin Immunol. 2016 May; 137(5):1514-24

5. Samitas K, Poulos N, Semitekolou M, Morianos I, Tousa S, Economidou E, Robinson DS, **Kariyawasam HH**, Zervas E, Corrigan CJ, Ying S, Xanthou G and Gaga M

Activin-A is overexpressed in severe asthma and is implicated in angiogenic processes

Eur Respir J. 2016 Mar; 47(3):769-82

6. Gevaert P, Nouri-Aria KT, Wu H, Harper CE, Takhar P, Fear DJ, Acke F, De Ruyck N, Banfield **Kariyawasam HH**, Bachert C, Durham SR, Gould HJ.

Local receptor revision and class switching to IgE in chronic rhinosinusitis with nasal polyps

Allergy. 2013 Jan; 68(1):55-63.

7. **Kariyawasam HH**, Barkans J, Aizen M, Ying S, Xanthou G, Lloyd CM, Kay AB, Robinson DS.

Deficient transforming growth factor (TGF)- β 1 receptor expression in mild asthma

Proc. 28th Symposium CIA 169-172 2012

8. Nicholson GC, **Kariyawasam HH**, Tan AJ, Hohlfeld JM, Quinn D, Walker C, Rodman D, Westwick J, Jurcevic S, Kon OM, Barnes PJ, Krug N, Hansel TT.

The effects of an anti-IL-13 monoclonal antibody on cytokine levels and nasal symptoms following nasal allergen challenge

J Allergy Clin Immunol. 2011 Oct; 128(4):800-807

9. Bonner K, **Kariyawasam HH**, Ali FR, Clark P, Kay AB

Expression of functional receptor activity modifying protein 1 by airway epithelial cells with dysregulation in asthma

J Allergy Clin Immunol. 2010 Dec; 126(6):1277-83

10. **Kariyawasam HH**, Pegorier S, Barkans J, Xanthou G, Aizen M, Ying S, Kay AB, Lloyd CM, Robinson DS.

Activin and transforming growth factor-beta signaling pathways are activated after allergen challenge in mild asthma.

J Allergy Clin Immunol. 2009 Sep; 124(3):454-62. ** *High-lighted as the editor's choice*

11. Reynolds C, Barkans J, Clark P, **Kariyawasam HH**, Altmann D, Kay B, Boyton R.

Natural killer T cells in bronchial biopsies from human allergen challenge model of allergic asthma

J Allergy Clin Immunol. 2009 Oct; 124(4):860-2

12. Semitekoulou M, Alissafi T, Aggelakopoulou M, Kourepini E, **Kariyawasam HH**, Kay AB, Robinson DS, Lloyd CM, Panoutsakopoulou V, Xanthou G.
Activin-A induces regulatory T cells that suppress T helper cell immune responses and protect from allergic airway disease.
J Exp Med. 2009 Aug 3; 206(8):1769-85
13. **Kariyawasam HH**, Xanthou G, Barkans J, Aizen M, Kay AB, Robinson DS
Basal expression of bone morphogenetic protein (BMP) receptor is reduced in asthma
Am J Resp Crit Care Med, 2008 May 15; 177(10):1074-81.
14. **Kariyawasam HH**, Aizen M, Barkans J, Kay AB, Robinson DS
Safety and tolerability of three consecutive bronchoscopies in mild asthmatic volunteers after allergen challenge
Thorax, 2007 Jun; 62(6):557-8.
15. **Kariyawasam HH**, Aizen M, Barkans J, Robinson DS, Kay AB**
Remodeling and airway hyperresponsiveness but not cellular inflammation persists after allergen challenge in asthma.
Am J Respir Crit Care Med. 2007 May 1; 175(9): 896-904.

** Prof. Richard F. Lockey, MD, World Allergy Organisation (WAO) Web Editor-in-Chief, reviewed premier medical journal articles for practicing allergists in 2007 and this work was selected as one of his top four picks to read (ref: WAO News & Notes - July 2007 Volume 4, Issue 7). This is an important study as it is the first human model of airway fibrosis and is the first study to show that airway hyper-responsiveness can be dissociated from inflammation but not tissue fibrosis

16. B.P. Madden, **Kariyawasam HH**, A.J. Siddiqi, A. Machin J.A. Pryor, M.E. Hodson
Noninvasive ventilation in cystic fibrosis patients with acute or chronic respiratory failure
Eur Respir J, 2002 Feb; 19(2):310-3.
Shori D, Genter T, Hansen J, Koch C, Wyatt H, **Kariyawasam HH**, Knight R., Hodson M, Kalogeridis A, Tsanakas I
Altered sialyl- and fucosyl-linkage on mucins in cystic fibrosis patients promotes formation of the sialyl-Lewis X determinant on salivary MUC-5B and MUC-7.
Pflugers Arch. 2001; 443 Suppl 1:S55-61.
17. Shori D **Kariyawasam HH**, Knight R, Hodson M, Genter T, Hansen J, Koch C, A. Kalogeridis A
Sulphation of the salivary mucin MG1 (MUC-5B) is not correlated to the degree of its sialylation and is unaffected by cystic fibrosis.
Pflugers Arch. 2001; 443 Suppl 1:S50-4.
18. **Kariyawasam HH**, Pepper JR, Hodson ME, Geddes DM
Experience of totally implantable venous access devices (TIVADs) in adults with cystic fibrosis over a 13-year period.
Respir Med. 2000 Dec; 94(12):1161-5.
19. **Kariyawasam HH**, Gyi KM, Hodson ME, Cohen BJ
Anaemia in lung transplant patient caused by parvovirus B19.
Thorax. 2000 Jul; 55(7):619-20.

REVIEWS

*** 'Selected as of outstanding interest'

Kariyawasam HH and Dziadzio

Chronic rhinosinusitis: back to the future?

ENT and Audiology News July/August 2016 Vol 25 No 3

Kariyawasam HH, Joanna Lukawska and Giuseppina Rotiroti

An update in the management of allergic rhinitis

The Otorhinolaryngologist 2016

Robinson DS, **Kariyawasam HH**

Mepolizumab for eosinophilic severe asthma: recent studies.

Expert Opin Biol Ther. 2015 Jun;15(6):909-14

Kariyawasam HH, Rotiroti G, Robinson

Sublingual immunotherapy in allergic rhinitis: indications, efficacy and safety

Rhinology. 2013 Mar;51(1):9-17

Kariyawasam HH, Rotiroti G.

Allergic rhinitis, chronic rhinosinusitis and asthma: unravelling a complex relationship.

Curr Opin Otolaryngol Head Neck Surg. 2013 Feb; 21(1):79-86.

Kariyawasam HH, Scadding GK.

Chronic rhinosinusitis: therapeutic efficacy of anti-inflammatory and antibiotic approaches.

Allergy Asthma Immunol Res. 2011 Oct; 3(4):226-35.

Kariyawasam HH, Semitekoulou M, Robinson DS, Xanthou G

Activin-A: a novel critical regulator of allergic asthma ***.

*** Selected by Global Medical Discovery (Ontario Canada) as of outstanding interest for drug development in disease.

Clin Exp Allergy. 2011 Nov; 41(11):1505-14

Kariyawasam HH

Airway remodelling in asthma: mechanisms and clinical significance

Respiratory Medicine CML Volume 2010 Vol 24 Issue 2 (**Leading Article**)

Kariyawasam HH, Scadding GK

Seasonal allergic rhinitis: fluticasone propionate and fluticasone furoate therapy evaluated

J Asthma Allergy 2010; 3 19–28

Scadding GK, **Kariyawasam HH**

Airways disease: just nosing around? Thorax. 2009 Nov; 64(11):923-5.

Almqvist C, Bradding PB, Chakir J, Ebo D, Grattan C, **Kariyawasam HH** et al.

Developments in the field of allergy in 2008 through the eyes of Clinical & Experimental Allergy. Clin Exp Allergy. 2009 Oct; 39(10):1482-98.

Kariyawasam HH, Robinson DS

The role of eosinophils in airway tissue remodelling in asthma.

Curr Opin Immunol, 2007 Dec; 19(6): 681-6.

Kariyawasam HH, Robinson DS

The eosinophil: the cell and its weapons, the cytokines, its locations.

Semin Respir Crit Care Med. 2006 Apr; 27(2): 117-27.

Kariyawasam HH, Robinson DS

Airway remodelling in asthma: models and supermodels?

Clin Exp Allergy. 2005 Feb; 35(2):117-21.

BOOK CHAPTERS

Kariyawasam HH

Best of Five Clinical Scenarios for the MRCP Part I

Respiratory Medicine, Medexam series, Greenwich Medical Media, 2004

Kariyawasam HH, D S Robinson

Eosinophils

Encyclopedia of Respiratory Medicine. Eds: Laurent G L and Shapiro S.

Elsevier Limited, Oxford, UK (2006)

Kariyawasam HH, Robinson DS, Kay AB

Human Studies of Remodelling and Fibrosis in Asthma and Allergic Inflammation

Eosinophils in Health and Disease 2012

Eds Lee J and Rosenberg H

Scadding GS, **Kariyawasam HH**

Upper Airway Disease: Rhinitis and Rhinosinusitis

Clinical Respiratory Medicine 2012

Eds Spiro, Silvestri & Agusti

Kariyawasam HH, Rotiroti G, Lloyd SW

Steroids in otorhinolaryngology (2013)

Diagnosis and Treatment of Voice Disorders

Eds Rubin JR

Harris TM, **Kariyawasam HH**, Rubin JR

Medications and the Voice (2013)

Diagnosis and Treatment of Voice Disorders

Eds Rubin JR

Kwame I and **Kariyawasam H**

The relationship between the upper and lower airway - an ENT perspective

ENT Master Class 2014

Kariyawasam HH

Upper airway disease associations in asthma

Textbook of asthma, Eds D Jackson and S Johnston 2016-submitted

ABSTRACTS /CONFERENCE PRESENTATIONS

Unusual cause of throat swelling in an allergy clinic

Hosadurg D, Miron R, Lukawska, **Kariyawasam H H**, Rotiroti G, Radcliffe M, Dziadzio

EAACI Helsinki 2017

Chronic Rhinosinusitis Associated with Alpha 1 antitrypsin deficiency

Baker J, Ferguson M , Miron R , Lukawska J , Rotiroti G, Rajkulasingham R, **Kariyawasam H H**,

Dziadzio M.

EAACI Helsinki 2017

Effects of Omalizumab on nasal symptoms (SNOT score) in patients treated for severe asthma

J.Sahota, T.Bidder,J.Solis, **Kariyawasam H**, Robinson D

Chronic rhinosinusitis with nasal polyps (CRSwNP): mycophenolate mofetil (MMF) is an effective steroid sparing treatment strategy

Nada Al-Barani, Maria Leandro, Douglas S Robinson, Valerie J Lund , **Harsha H Kariyawasam**

Stockholm ERS 2016

Refractory neurogenic rhinitis: treatment with amitriptyline

Juan Meng, Giuseppina Rotiroti, Joanna Lukawska, Valerie J Lund, **Harsha H Kariyawasam**

Stockholm ERS 2016

Overcoming barriers to penicillin allergy un-labelling

N.A. Bahrani, D. Thursfield, **H. Kariyawasam** and J. Lukawska

Telford BSACI AGM

Is there a doctor on board?

A. Foggitt, N. Verma, D. Thursfield, **H. Kariyawasam**, N.A. Bahrani, M. Dziadzio¹ and J. Lukawska

Telford BSACI AGM

Reviewing Penicillin allergy labels is good for patient's health & hospital's bank balance

A.Murugesh-Warren.....H H Kariyawasam and Lukawska

Telford BSACI AGM 2015

Clavulanic acid anaphylaxis – more common than you might think

Thursfield D, Kariyawasam HH et al.

Telford BSACI AGM 2015

Evaluation of a food challenge service in relation to specific IgE to molecular components in children with suspected peanut allergy

James Gardner, Minal Gandhi, **Harsha Kariyawasam** and Giuseppina Rotiroti

Istanbul 2015

CD4(+) T Cells From Nasal Polyp Explants Contain Abundant Th2 Cells Expressing Functional Interleukin-25 Receptors Together With Th17 Cells.

Lam, E; Kariyawasam, HH; Durham, SR; Rimmer, J; Lund, VJ; Cousins, D; Till, S

Annual Meeting of the American-Academy-of-Allergy-Asthma-and-Immunology (AAAAI).

San Diego 2014

Camara M, **Kariyawasam HH**

Inverse correlation of nasal polyp size with Vitamin D Serum Levels

Clin. Exp.Allergy 2011

Samitas K, **Kariyawasam HH**, Xanthou G, Gaga M

Activin-A is increased in severe asthma and involved in tissue angiogenesis

Euro Resp J 2012

Kariyawasam HH, Nicholson GC, Synga NI, Kon OM, Barnes PJ, Hansel TT
The effects of a monoclonal antibody against IL-13 (Novartis QAX576) on inflammatory responses following repeated nasal allergen challenge (NAC) in subjects with hay fever outside the grass pollen season
Am J Resp Crit Care Med 2007; 177

Kariyawasam HH, Barkans J, Aizen M, Kay AB, Robinson DS
Airway submucosal cells expressing TGF- β 1 are significantly increased at a time point when airway remodelling is maximal post-allergen
Am J Resp Crit Care Med 2007; 177

Tan AJ **Kariyawasam HH**, Nicholson NC, Synga N et al.
Nasal challenge with hypertonic saline (HTS) and assessment of neural reflex activation
Am J Resp Crit Care Med 2007; 177:

Kariyawasam HH, Aizen M, Barkans J, Robinson DS, Kay AB
Increased remodelling and airway hyperresponsiveness but not inflammation persists after allergen challenge in asthma.
Am J Resp Crit Care Med 2007; 175: A833.

Kariyawasam HH, Xanthou G, Barkans J, Sideras P, Kay AB, Robinson DS.
Dysregulated Bone morphogenetic protein (BMP) signalling in allergen-induced asthma
Am J Resp Crit Care Med 2007; 175: A833.

Kariyawasam HH, Xanthou G, Barkans J, Ying S, Sideras P, Kay AB, Robinson D
Activation and modulation of TGF-beta and activin signalling pathways in allergen-induced Asthma Am J Resp Crit Care Med 2007; 175: A834.

Kariyawasam HH, M. Aizen, J. Barkans, A.B. Kay, D.S. Robinson.
Persistence of airway hyper-responsiveness (AHR) after resolution of bronchial mucosal inflammation following allergen inhalation challenge in mild asthmatics
American Academy of Asthma, Allergy and Immunology Miami 2006
J Allergy Clin Immunol 2006; 117:S158 (abs 1086)

Shori DK, Blackett S, Hansen J, Genter G, **Kariyawasam HH**, Kalogeridis A, Knight R, Koch C
Altered sialyl-linkage on key mucins may relate to severity of lung disease in cystic fibrosis. 24th European Cystic Fibrosis Conference, Stockholm, Sweden 2000]

Shori DK, Blackett S, **Kariyawasam HH** *et al.*
Altered glycosylation of salivary mucins in cystic fibrosis and its correlation to lung disease.
The First International Conference on the Secretion Defect in Cystic Fibrosis, Greece.1999

Kariyawasam HH, Hodson ME, Geddes DM.
Experience of transplantable intravenous access devices (TIVADs) in adults with cystic fibrosis: incidence and types of complications.
23rd European Cystic Fibrosis Conference, Hague Netherlands, 1999

Kariyawasam HH, Stirling RG, Campbell DA, Robinson DS, Chung KF, Carr D
Demonstration of air trapping by high resolution computer tomography (HRCT) in difficult asthma. European Respiratory Society Annual Congress, Madrid, 1999 (publication as supplement to ERJ. 1999)

Madden BP, **Kariyawasam HH**, Hodson ME.
Nasal Ventilation in Cystic Fibrosis -The Bridge to Transplantation
European Respiratory Society Annual Congress, Madrid, Spain, October 1999 (publication as supplement to ERJ 1999)