

## **Peer Reviewed Publications:**

- Katherine E Lintner, **Anjali Patwardhan**, Lisa G Rider, Rabheh Abdul- Aziz, Yee Ling Wu, Emeli Lundström, Leonid Padyukov, Bi Zhou, Alaaedin Alhomosh, Frederick W Miller, Charles H Spencer, Chack Yung Yu. (2015). Gene copy-number variations (CNVs) of complement C4 and C4A deficiency in genetic risk and pathogenesis of juvenile dermatomyositis. *Ann Rheum Dis.* 2016 Sep; 75(9):1599-606. doi: 10.1136/annrheumdis-2015-207762. Epub 2015 Oct 22. PMID: 26493816 DOI: 10.1136/annrheumdis-2015- 207762.
- Spencer CH, Rouster-Stevens K, Gewanter H, Syverson G, Modica R, Schmidt K, Emery H, Wallace C, Grevich S, Nanda K, Zhao YD, Shenoi S, Tarvin S, Hong S, Lindsley C, Weiss JE, Passo M, Ede K, Brown A, Ardalan K, Bernal W, Stoll ML, Lang B, Carrasco R, Agaiar C, Feller L, Bukulmez H, Vehe R, Kim H, Schmeling H, Gerstbacher D, Hoeltzel M, Eberhard B, Sundel R, Kim S, Huber AM, **Patwardhan A**; Pediatric Rheumatologist Collaborators. *Pediatr Rheumatol Online J.* 2017 Jun 13;15(1):50. doi: 10.1186/s12969-017-0174-0. PMID:28610606.
- Spencer CH, **Patwardhan A.** (2015). Pediatric Rheumatology for the Primary Care Clinicians-Recognizing Patterns of Disease. *Curr Probl Pediatr Adolesc Health Care.* 2015 Jul; 45(7):185-206. PMID: 26205101 DOI:10.1016/j.cppeds.2015.04.002.
- **Patwardhan A**, Henrickson M, Laskosz L, Duyenhong S, Spencer CH. Current pediatric rheumatology fellowship training in the United States: what fellows actually do. *Pediatr Rheumatol Online J.* 2014 Feb 10; 12(1):8 PMID: 24507769 PMCID: PMC3922187 DOI: 10.1186/1546-0096-12-8.
- **Patwardhan A** (2019) An unprecedented COPA gene mutation and its comparative clinical analysis with other known COPA gene mutations. *Rheumatol Orthop Med* 4: DOI: 10.15761/ROM.1000164.
- **Patwardhan A**, Smith KE and Bachrach BE. Lupus with Graves' disease: OPEN Overlap Disease vs Drug Induced Lupus; a Review of Literature. *SM Rheumatol.* 2018; 2(1): 1003.
- **Anjali Patwardhan**, Kate July. (2015). A Novel Mutation in the Gene Encoding Tumor Necrosis Factor Receptor Super Family: Dilemmas of Outcome Predictability. *Ann Paediatr Rheum.*2015; 4(1): 1-6. doi: 10.5455/apr.030520151354.
- David C. Tapscott, **Anjali Patwardhan.** Atypical Presentation of Juvenile Rheumatoid Arthritis in a Patient with Monosomy 1p36. *Ann Paediatr Rheum* **2014**; 3:35-39. DOI: 10.5455/apr. 123020130957.
- **Anjali Patwardhan**, Michael Gardner, Bert Bachrach, Prasad h. Bichu, Timothy

Joseph Hayes. The Juvenile Idiopathic Arthritis Patients Run a Higher Risk for Dyslipidemia as Compared to Adults with Arthritis. *Ann Paediatr Rheum* **2014**; 3: 116-125. **DOI:** 10.5455/apr.061720140536.

- **Patwardhan A**, Spencer CH. Are patient surveys valuable as service improvement tools in health Service? An Overview. *Journal of Healthcare Leadership merged now into International Journal of Health Governance*. Published Date May **2012** Volume 2012:4 Pages 33 – 46. **DOI:** <http://dx.doi.org/10.2147/JHL.S23150>. ISSN: 1477-7274.
- **Patwardhan A**, Rennebohm RM, Dvorchik I, Spencer CH. Is juvenile dermatomyositis a different disease in children up to three years of age at onset than in children above three years at onset? A retrospective review of 23 years of single center experience. *Pediatr Rheumatol Online J*. 2012 Sep 20; 10(1):34. PMID: 22995763 PMCID: PMC3599465 **DOI:** 10.1186/1546-0096-10-34. Published: 20 September **2012**.
- **Patwardhan A**, Keller K, Cunningham D, Menke J, Spencer C. The use of a mandatory best practice reminder in the electronic record improves influenza vaccination rate in a pediatric rheumatology clinic. *Clinical Governance: An International Journal*, 16:4(308-319) **2011**. **DOI:** <http://dx.doi.org/10.1108/14777271111175350>.
- **Patwardhan, A. (2009)**. Are consumer surveys valuable as service improvement tool in Health Services- a critical appraisal. *International Journal of Health Care Quality Assurance*. October. Volume (22).7.
- **Patwardhan A**, Patwardhan D (**2008**) Business process re-engineering-- saviour or just another fad? One UK health care perspective. *Int J Health Care Qual Assur*; 2008; 21(3):289-96 PMID: 18578213.
- **Patwardhan, A (2007)**. 'How transferable to a health and social care setting is Deming's approach'? *Journal of Health Management*. SAGE Publications: December, Volume (9), No. 3. p 443-457.
- **Patwardhan A**, Higgins C. Primary Hyperoxaluria type-1: An Unprecedented Presentation at Birth. *Indian Pediatr*. 2005 Feb; 42(2):173-4. PMID: 15767715.
- **Patwardhan, A**, Belly k. et al (**2004**). Significance of Inflammatory Markers in Diagnosis of Septicemia in the Preterm Babies. *Current Pediatrics*, Volume 14, issue 4, p378-388.

**Books, Invited Book Chapters, Articles and Monographs (Google Scholar and Research Gate):**

- Chack Yung Yu, Kyla Driest, Yee Ling Wu, Katherine E. Lintner, **Anjali Patwardhan**, Charles Spencer, Frank C. Arnett, William F. C. Rigby, Lee A. Hebert, Georges Hauptmann. First Edition. September 2014. Complement in Rheumatic Diseases. Chapter number 417. Encyclopedia of Medical Immunology Vol 1: Autoimmune Diseases. Springer New York Heidelberg Dordrecht London, LLC. Edited by Mackay I.R, Rose N.R. ISBN 978-0-387-84827-3 ISBN 978-0-387-84828-0 (eBook). ISBN 978-0-387-84829-7 (Print and electronic bundle). DOI 10.1007/978-0-387-84828-0.
- Spencer C H, **Patwardhan A**. 8th edition. 2012. "Inflammatory Noninfectious Cardiovascular Diseases". Moss and Adams' Heart Disease in Infants, Children, and Adolescents. Vol:2. Philadelphia, PA. Moss & Adams'. Lippincott Williams & Wilkins. Edited by Hugh D. Allen, David J. Driscoll, Robert E. Shaddy, and Timothy F. Feltes. ISBN-13: 978-0683307429.
- **Patwardhan A**, Patwardhan D. first edition. You are Special; Must Read Series. CreateSpace. (2016). ISBN-13: 978-1530824489. ISBN-10: 1530824486.
- **Patwardhan A**. 1st edition. Editor Carina Abrahamson Löfström, Rod Sheaff & Andreas Hellström. Chapter 5: Business Process Reengineering (BPR) in healthcare organizations. Book: Management Innovations for Health Care Organizations: Adopt, Abandon, or Adapt? London. Published by Routledge. (2015).

**Abstracts: Presented as oral or poster presentations at International Conferences:**

- Stacy P. Ardoin, Pinar Ozge Avar Aydin, Lai Hin Kimi Chan, Katherine E. Lintner, Yee Ling Wu, Rabheh Abdul Aziz, **Anjali Patwardhan**, Evan Mulvihill, Gakit Richard Yu, Bi Zhou, Emeli Lundstrom, Leonid Padyukov, Kyla Driest, Cagri Toruner, Sharon Bout-Tabaku, Charles Spencer, Gloria C. Higgins, Sampath Prahalad, Hermine Brunner and C. Yung Yu. Deficiency of Complement C4A or Low Copy Number of Total C4 Genes, HLA-DRB1\*15 and HLA-DRB1\*03 Are Strong Genetic Risk Factors for Pediatric SLE of European Descent". Abstract ID: 1187. The 2017 Pediatric Rheumatology Symposium (PRSYM). May 17-20. Houston, TX.
- Rabheh Abdul Aziz, Katherine E. Lintner, **Anjali Patwardhan**. Cell Bound Levels of Complement Activation Products on Erythrocytes E-C4d and E-C3d May Reflect Disease Complications of Juvenile Dermatomyositis". Abstract ID: 1250. 2nd Global Conference on Myositis 2017, Potomac, MD, Saturday May 6 10 a.m. 12 p.m., Poster Session I.
- Chack-Yung Yu, Simon Rothwell, Bi Zhou, Hazel Platt, Katherine Lintner, Rabheh Abdul Aziz, **Anjali Patwardhan**, Yee Ling Wu, Gakit Yu, Ohoud Al Ahmed, Shoghik Akoghlanian, Sharon Bout-Tabaku, Charles Spencer, Boel De Paepe5, Ingrid Lundberg, Terrance O'Hanlon, Lisa Rider, Frederick Miller, Robert Cooper, Hector Chinoy and Janine Lamb. Low Gene Copy Number of Total C4 and Complement C4A Deficiency Are Strong Genetic Risk Factors for Idiopathic Inflammatory Myopathies

of European Ancestry. Submitted to the 2nd Global Conference on Myositis May 5 - 8, 2017, Bolger Center, Potomac, MD, USA.

- Hayes T, **Patwardhan A**. The Risk of Dyslipidemia in Pediatric Arthritis Patients is Similar to that of Adult Patients with Arthritis”. Presentation 2014 Pediatric Rheumatology Symposium, Orlando, FL, Thursday, April 3 - Saturday, April 5; 8:30 AM - 6:00 PM. Location: Buena Vista Palace Hotel: Event Center. Presentation Number: 95. A95: Volume 66, Issue S3. March 2014. Page S130 Arthritis Rheum. Version of Record online: 27 MAR 2014 | DOI: 10.1002/art.38512.
- Judith Price and **Anjali Patwardhan**. Prevalence of Streptococcal Antibodies in Pediatric Non-Rheumatic Fever Syndromes in Areas of Low Rheumatic Fever Incidence: Repeat Antibodies Testing or Antistreptococcal Treatment Do Not Add Value but Adds Cost to Management. A61: Volume 66, Issue S3. March 2014. Page S90. DOI: 10.1002/art.38477.
- **Patwardhan A**, Lintner K, Rider L, Wu YL, Zhou B, Wang H, Newsom D, White P, Spencer C and Yu CY. Copy Number Variations of Complement C4A and C4B

**Abstracts: Presented as Oral and Poster Presentations in National Conferences:**

- **Patwardhan A**, Lintner K, Rider L, Miller F, O’Hanlon T, Wu YL, Zhou B, Wang H, Newsom D, White P, Spencer C and Yu CY. 2013. The copy number variation of complement C4A and C4b genes is genetic risk factors and disease modification factor, respectively, for Juvenile Dermatomyositis. Oral presentation: San Diego October 30th 2013, at 11AM to 12.30 PM. Abstract #2863. Published in Arthritis & Rheumatism, October 2013, Volume 65(number 10S): pS1227.
- **Anjali Patwardhan**; Kelly Rouster-Stevens; Harry Gewanter; Grant Syverson; Renee Modica; Kara Schmidt; Charles Spencer. Pediatric Rheumatology Practitioners Experience with Biologics in Juvenile Dermatomyositis: Survey Results. ACR 2012. Sunday, November 11 Location: Poster Hall B. Washington DC. Arthritis & Rheumatism Supplement: Abstracts of the American College of Rheumatology & Association of Rheumatology Health Professionals, Annual Scientific Meeting, (November 9–4, 2012 Washington, D.C) (pages S1–S1216) October 2012. Volume 64, Issue S10. Pages S1–S1216 | DOI: 10.1002/art.37735
- **Patwardhan A**, Arthritis & Rheumatism Supplement: Abstracts of the American College of Rheumatology & Association of Rheumatology Health Professionals, Annual Scientific Meeting, (November 9–4, 2012 Washington, D.C) (pages S1–S1216) October 2012. Volume 64, Issue S10. Pages S1–S1216 | DOI: 10.1002/art.37735
- **Anjali Patwardhan**, Igor Dvorchik, Charles H. Spencer. Children with Probable SLE by ACR Criteria May Need More Aggressive Lupus Treatment Early in the Disease Course. ACR 2012. Sunday, November 11 Location: Poster Hall B.

Washington DC. Arthritis & Rheumatism Supplement: Abstracts of the American College of Rheumatology & Association of Rheumatology Health Professionals, Annual Scientific Meeting, (November 9–4, 2012 Washington, D.C) (pages S1–S1216) October 2012. Volume 64, Issue S10. Pages S1–S1216 | DOI: 10.1002/art.37735

- **Anjali Patwardhan**, Michael Henrickson, Sandy D. Hong, ‘Laura Laskosz and Charles H. Spencer. Variation in US Pediatric Rheumatology Fellowship Training. ACR 2012. Sunday, November 13 Location: Poster Hall B. Washington DC. Arthritis & Rheumatism Supplement: Abstracts of the American College of Rheumatology & Association of Rheumatology Health Professionals, Annual Scientific Meeting, (November 9–4, 2012 Washington, D.C) (pages S1–S1216) October 2012. Volume 64, Issue S10. Pages S1–S1216 | DOI: 10.1002/art.37735
- **Anjali Patwardhan**, Kelly Kelleher, Jeffery Hoffman, Karla B. Jones, Stacy P. Ardoin and Charles H. Spencer. Uveitis Surveillance through Lean-Six Sigma for Quality Assurance in Juvenile Idiopathic Arthritis. ACR 2012. Sunday, November 11 Location: Poster Hall B. Washington DC. Arthritis & Rheumatism Supplement: Abstracts of the American College of Rheumatology & Association of Rheumatology Health Professionals, Annual Scientific Meeting, (November 9–4, 2012 Washington, D.C) (pages S1–S1216) October 2012. Volume 64, Issue S10. Pages S1–S1216 | DOI: 10.1002/art.37735
- **Patwardhan A**, Kelleher K, Cunningham D, Menke, J, Spencer C. The use of mandatory best practice reminder in the electronic record improves influenza vaccination rate in a pediatric rheumatology clinic. *Clinical Governance: An International Journal*, 16(4):308-319, 2011
- **Patwardhan A**, Higgins G, Rennebohm R, Spencer CH. Juvenile dermatomyositis is a different disease in children up to three years than that above three years. Presented as poster at PRYSM, ACR, OSU/NCH Research Day, SHEA/PALASPR meetings and presented orally in Sweden at EULAR research workshop. *Arthritis Rheum* 63(10): S91, 2011.
- **Patwardhan A**, Higgins G, Rennebohm R, Spencer CH. Body mass index at Diagnosis affects disease course in juvenile Dermatomyositis. Presented as poster at PRYSM, ACR, OSU/NCH Research Day, SHEA/PALASPR meetings. *Arthritis Rheum* 63(10): S90, 2011.
- **Patwardhan A**, Juvenile Dermatomyositis Is a Different Disease in Children up to Three Years of Age at Onset Than in Children Above Three Years at Onset" for presentation at the 2011 ACR/ARHP Annual Scientific Meeting, to be held in Chicago, IL, November 4 -9, 2011. It was also presented at PRSYM at Miami. FL on 4th June 2011.
- **Patwardhan A**. "Improving the Influenza Vaccination Rate in Patients Visiting

Pediatric Rheumatology Clinics Using Automatic Best Practice Alert in Electronic Patient Records" for presentation at the 2011 ACR/ARHP Annual Scientific Meeting. Chicago, IL, November 4 -9, 2011. It was also presented at PRSYM at Miami. FL on 4th June 2011.

- **Patwardhan A.** Primary Hyperoxaluria Type One- An unprecedented presentation at birth- Treatment options- Seventh International conference of AAP at Mayo Clinic, Rochester, USA on 8th Oct 2004.
- Genes Are Genetic Risk Factor and Disease Modification Factor, Respectively, for Juvenile Dermatomyositis. European Pediatric Rheumatology 20th Congress (PReS), Ljubljana, Slovenia 25-29 September **2013**.
- **Patwardhan A**, Lintner K, Rider L, Miller F, O'Hanlon T, Wu YL, Zhou B, Wang H, Newsom D, White P, Spencer C and Yu CY.**2013**. The copy number variation of complement C4A and C4b genes is genetic risk factors and disease modification factor, respectively, for Juvenile Dermatomyositis. Oral presentation at Stockholm, Sweden
- **Patwardhan A.** Body Mass Index at Diagnosis Affects Disease Course in Juvenile Dermatomyositis. 2011 ACR/ARHP Annual Scientific Meeting, Chicago, IL, November 4 -9, 2011. It was also presented at PRSYM at Miami. FL on 4th June **2011**.
- **Patwardhan A**, Higgins G, Rennebohm R, Spencer CH. Juvenile dermatomyositis is a different disease in children up to three years than that above three years. Presented as poster at PRYSM, ACR, OSU/NCH Research Day, SHEA/PALASPR meetings and presented orally in Sweden at EULAR research workshop. Arthritis Rheum 63(10): S91, **2011**.
- **Patwardhan A**, Higgins G, Rennebohm R, Spencer CH. Body mass index at Diagnosis affects disease course in juvenile Dermatomyositis. Presented as poster at PRYSM, Arthritis Rheum 63(10): S90, **2011**.
- **Patwardhan A**, Option of Liver Biopsy and Hepato Renal Transplant in Fetal Presentation of Inborn errors of Metabolism 'ESPGHAN –Consensus conference for Metabolic Liver Diseases, Brussels Belgium, **January 2006**.
- **Patwardhan A**, European Society for Pediatrics Gastroenterology Hepatology and Nutrition at Porto-4th **June 2005**- Presentation of results on "Antenatal vaccination of babies with HBV vaccine could be a cost-effective approach towards eradication" Journal of Pediatric Gastroenterology and Nutrition: **May 2005** - Volume 40 - Issue 5 - p 678. Abstracts: 38th Annual Meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition: Porto, Portugal, June 1-4, 2005
- **The above Paper** been presented at Fetal Medicine Section of 'International conference of Royal college of Obstetrics and Gynecology' at Cairo, Egypt on **26/9/05**.

- **Patwardhan A.** Scoring System for diagnosis of coagulase negative bacteremia; Canadian Society of Pediatrics, Vancouver Canada-22 **June 2005.**
- **Patwardhan A,** “Fetal immune prophylaxis with HBV Vaccine could be cost effective approach towards eradication’ Canadian society of Pediatrics, Vancouver Canada-22 **June 2005.**
- **Patwardhan A,** Case study of “Neonatal Hepatic Hemangioendothelioma”, Irish Perinatal Conference of Irish Perinatal Society at Coombe Women’s Hospital Dublin, on **22/3/03.**

**Abstracts: Regional & Local Presentations:**

- Hagan, Julia Kelly, **Patwardhan A.** Nov **2015.** Respiratory Virus Surveillance in Mid-Missouri: Prevalence and Incidence Investigation: Scope of Respiratory Virus Testing in Clinical Practice. Presented on Health Sciences Research Day. University of Missouri.
- **Patwardhan A,** McDonald AR. Nov **2015.** Is there difference in the cytokine profile of arthritis patients those are obese than those who are not: Do they require different therapeutic options and drug doses than their counterparts? Presented on Health Sciences Research Day. University of Missouri.
- July Kate, **Patwardhan A.** Nov 2014. Cytokine profile of Juvenile Rheumatoid Arthritis is different from Juvenile Psoratic Arthritis suggesting difference in etiology, disease course and therapeutic options. Presented on Health Sciences Research Day. University of Missouri.