

CURRICULUM VITAE

I. BIOGRAPHICAL SKETCH

NAME: Gregory L Kinney, MPH, PhD

PRESENT POSITION: Research Assistant Professor

Department of Epidemiology
Colorado School of Public Health
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EDUCATION:

	<u>School</u>	<u>Major</u>	<u>Degree</u>
1997	University of Massachusetts at Boston	Biology/Anthropology	B.S./B.S.
2001	Tulane University	International Health	M.P.H.
2012	Colorado School of Public Health	Epidemiology	Ph.D.

WORK HISTORY:

2017 – Present	Department of Epidemiology, University of Colorado Anschutz Medical Campus; Research Assistant Professor
2013 – 2017	Department of Epidemiology, University of Colorado Anschutz Medical Campus; Instructor in Epidemiology
2001 – 2013	University of Colorado Anschutz Medical Campus; Professional Research Assistant, Chronic Obstructive Pulmonary Disease Genetic Epidemiology Study, 2008 – Present Professional Research Assistant, Coronary Artery Calcification in Type I Diabetes Study, 2001 - 2008
2000 – 2001	Tulane University, New Orleans LA; Computer Systems Support
2000 – 1997	Brigham and Women's Hospital, Boston MA, Department of Rheumatology; Biometry Research Assistant

SOCIETY MEMBERSHIP:

Member	American Thoracic Society Assembly on Clinical Problems
Member	American Diabetes Association Section on Epidemiology and Statistics
Member	American College of Epidemiology
Member	Society for Epidemiologic Research
Member	International Cannabinoid Research Society

NATIONAL & INTERNATIONAL ACTIVITIES AND HONORS:

Awards:

2010 American Thoracic Society Travel Award, Assembly on Clinical Problems

Session Facilitator:

2017 American Diabetes Association, Poster Tour Moderator, Epidemiology of Type 1 Diabetes (Invited, unable to attend)

2016 American Diabetes Association, Poster Tour Moderator, Epidemiology of Type 1 Diabetes

2015 American Diabetes Association, Guided Audio Poster Tour Moderator, Epidemiology of Type 1 Diabetes

2011 American Thoracic Society 2011 International Conference

Abstract Reviewer

2019 American Diabetes Association

2018 American Diabetes Association

2017 American Diabetes Association

2016 American Diabetes Association

2015 American Diabetes Association

Grant Reviewer:

2018 Colorado Clinical and Translational Sciences Institute, Community Engagement Partnership Development Pilot Grants

2015 Longfonds (voorheen Astma Fonds), Lung Foundation Netherlands requested reviewer for research consortia grant application

2009 - 2014 Sciences and Cultural Foundations District Tier 3; appointed to represent the City of Aurora on the Arapahoe County Cultural Council for 3 years by the county commissioners of Arapahoe County, Colorado
Appointment upheld for second term in 2011

Program Reviewer:

2016 - 2018 Association of Schools and Programs of Public Health, ASPPH Public Health Philanthropy Fellowship Program.
Review fellowship applications

National Committee Membership

2013-Present Committee Member
Radiological Society of North America
Quantitative Imaging Biomarkers Alliance
COPD/Asthma Technical Committee

2013-Present Working Group Member
Chronic Obstructive Pulmonary Disease Foundation
Education Review Working Group

2015-Present Diabetes Working Group
[NHLBI Trans-Omics for Precision Medicine \(TOPMed\)](#)

Representing the COPDGene study

2018-Present

Imaging Working Group
[NHLBI DataSTAGE](#)
Representing the COPDGene study

Symposium Chair:

2015

Society for Epidemiologic Research
Session titled "**Cannabis Use Beyond Addiction; Exposure Assessment in an Environment of Recreational and Therapeutic Use**"

Manuscript Reviewer:

American Journal of Epidemiology
American Journal of Cardiology
Diabetes Care
Diabetes Technology and Therapeutics
International Journal of Endocrinology
Journal of the American College of Cardiology
Respiratory Research
PLOS | ONE
Thorax
Annals of the American Thoracic Society

Invited Speaker National & International:

- 2019 American Thoracic Society International Conference
Assembly on Environmental, Occupational and Population Health
Cannabis Symposium
"The Effects of Cannabis on Sleep"
- 2019 The 2019 International Workshop on Pulmonary Imaging
Session VIII: Comorbidities of COPD
"Correlating Cardiovascular Disease in COPD"
- 2018 American Thoracic Society International Conference
Outside Organization Session L29 - NEW RESULTS FROM THE COPDGENE STUDY
"Insights into COPD Prognosis from COPDGene"
- 2017 COPDGene Investigators Meeting
Translating COPD Workshop
Early Diagnosis/Progression/Prevention: Major Patterns of Progression
"PCA-defined High Risk Groups"
- 2017 American Thoracic Society International Conference
Outside Organization Session L16 - NEW RESULTS FROM THE COPDGENE STUDY
"Defining Disease Axes of COPD"
- 2017 Cannabis OutReach & Education Network, Cannabis Research and History Continuing Education, University of California, San Francisco
"Sleep and Cannabis"
- 2010 University of Vermont, Laboratory for Clinical Biochemistry Research
"Soluble Tumor Necrosis Factor Receptor Type 2 is an Independent Predictor of Progression of Coronary Artery Calcification"

Invited Activities National:

- 2015 American Diabetes Association; abstract reviewer, 75th scientific sessions
- 2013 – Present [Chronic Obstructive Pulmonary Disease Foundation](#), Educational Review Working Group, ERWG Member
- 2009 – 2012 American Public Health Association; Epidemiology Liaison for the Ethics Special Interest Group

LOCAL ACTIVITIES:

Awards Local

- 2012 Miriam Orleans Graduate Research Assistance Fund
Project support for “Multi-State Spatial Clustering of COPD Mortality”

Activities Local

- 2018 Kempe Summer Institute, mentor
Mentor 5 participants one on one in brief (20 minute) sessions
- 2018 Institute of Cannabis Research, Colorado State University – Pueblo
ICR2018 abstract reviewer
- 2017 Kempe Summer Institute, mentor
Mentor 5 participants one on one in brief (20 minute) sessions
- 2007 - 2010 American Lung Association, Colorado COPD Coalition
- 2005 – Present Denver Regional Science Fair judge
Evaluate student projects and provide feedback on improvements of their work

Invited Speaker Local:

- 2018 Cannabis OutReach & Education Network, CORE Conference
Boulder, Colorado
“Update on Cannabis and Sleep”
- 2017 Brain Injury Alliance of Colorado, 33rd Annual Conference
Denver, Colorado
“Cannabis as a Therapeutic Agent”
- 2016 Cannabis OutReach & Education Network, CORE Conference
Denver, Colorado
“Cannabis and Sleep”
- 2013 University of Colorado, Department of Endocrinology, EXAM meeting
“The Diabetic Lung in Smokers”
- 2013 Colorado State University Research Colloquium, Cardiovascular Research at CSU:
Molecules, Models and Mankind
“Smoking and Sub-clinical Atherosclerosis”
- 2012 Division of Occupational and Environmental Health Sciences, National Jewish Health

“History of Occupational Exposure to Dust and Fumes is Associated with a History of Cardiovascular Disease in COPD Subjects”

- 2011 Colorado Health GIS Users Group
“A Spatial Analysis of COPD in Colorado”
- 2009 American Lung Association, Colorado
“Spatial Clustering of COPD Related Hospitalizations”
- 2009 Sciences and Cultural Foundations District, Co-Presenter
“Monitoring and Evaluation”

UNIVERSITY SERVICE:

University of Colorado:

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| 2019 | Member | CoSPH Strategic Planning Process - Research Workgroup |
| 2019 | Member | CoSPH Strategic Planning Process - School as a Unit |
| 2018 | Member | Student travel award grant review committee |
| 2017-Present | Senator | Faculty senator representing the department of epidemiology |
| 2017 | Member | MS/PhD Admissions Committee |
| 2015 | Member | MPH Admissions Committee |
| 2014 | Member | MPH Admissions Committee |
| 2009 | Member | Dean’s CEPH Self Study Committee |
| 2008 | Member | Student Grievance Policy Writing Committee |

Teaching:

- 2018 Fall Semester, Chronic Disease Epidemiology (Chronic Obstructive Pulmonary Disease)
- 2018 Colorado Summer Institute in Biostatistics (Cannabis Epidemiology)
- 2017 Fall Semester, Chronic Disease Epidemiology (two lectures, Chronic Obstructive Pulmonary Disease and Modern Cannabis Use)
- 2017 Summer Semester, PUBH 6955: MPH Capstone Course (lead small group discussion)
- 2016 Chronic Disease Epidemiology (single lecture, Chronic Obstructive Pulmonary Disease)
- 2015 Chronic Disease Epidemiology (single lecture, Chronic Obstructive Pulmonary Disease)
- 2015 Advanced Epidemiology (single lecture, Clustering of Cannabinoids using PCA and LCA)
- 2014 7911 Directed Study; “Data management and sample mapping for storage and retrieval”, 2 doctoral students
- 2014 Chronic Disease Epidemiology (single lecture, Chronic Obstructive Pulmonary Disease)
- 2014 Advanced Epidemiology (two lectures)
- 2013 Chronic Disease Epidemiology (single lecture, Chronic Obstructive Pulmonary Disease)
- 2012 Chronic Disease Epidemiology, co-taught with John Hokanson (single lecture, Chronic Obstructive Pulmonary Disease)
- 2010 Colorado School of Public Health; Introduction to Epidemiology (group discussion leader)

Teaching Assistant:

- 2006 University of Colorado Department of Epidemiology; Research Methods
- 2000 Tulane University Department of Biostatistics; Frontpage Programming

Advising:

- 2018-2019 Four MPH students
- 2017-2018 Four MPH students
- 2016-2017 Four MPH students
- 2015-2016 Three MPH students
- 2014-2015 Four MPH students

Mentoring:

2018	Masters in Public Health Capstone Project 1 MPH awarded in 2018
2017	Masters in Public Health Capstone Project 2 MPHs awarded in 2017
2016	Masters in Public Health Capstone Project 2 MPHs awarded 2016
2015	Masters in Public Health Capstone Project 1 MPH awarded 2015
2010	Masters in Public Health Capstone Project 1 MPH awarded 2010

FUNDING:

ACTIVE

1R01HL13313701A1 (Diaz) NHLBI	06/20/2017-06/20/2021 \$115,120.00 (subcontract only, Kinney Site-PI)	4.2 calendar
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CLINICAL Implications of bronchiectasis in smokers

Major Goals: Bronchiectasis is a permanent, abnormal airway enlargement and is common in chronic obstructive pulmonary disease (COPD), a smoking-related lung disease. We will develop, validate, and apply an imaging tool to detect and quantify bronchiectasis in a large group of smokers with and without COPD. We will then assess the associations between bronchiectasis and relevant measures of this disease including acute respiratory disease episodes (worsening shortness of breath, cough, or phlegm production), quality of life, and death.

16FHHA81989

Colorado Department of Public Health and the Environment (Bowler and Kinney)	08/01/15-7/30/17 \$7,261 (subcontract only)	1.2 calendar
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Cannabis Use for Sleep Disorders

Major Goals: To determine the prevalence and efficacy of marijuana for sleep disorders (insomnia), using an observational study that will examine the patterns of use and effects of marijuana for sleep disorders.

R01HL122464 (Washko) NIH/NHLBI	12/01/14-11/30/18 \$185,441 (subcontract only)	3.6 calendar
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Skeletal Muscle, Subcutaneous Fat, and Clinical Outcomes in Smokers

The purpose of this investigation is to validate and apply computed tomographic measures of body composition in smokers. Image based assessments of the pectoralis and erector spinae muscles and adjacent subcutaneous fat as well as diaphragm muscle thickness will be explored in two large observational studies, COPDGene and ECLIPSE. Cross sectional and longitudinal associations with clinically relevant outcomes will be explored.

R01HL089897/U01HL089897 (Crapo) NIH/NHLBI	07/01/07-07/31/17 \$239,102 (subcontract only)	3.9 calendar
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Genetic Epidemiology of COPD: Genome-Wide Analysis

Major Goals: (1) Study the precise phenotypic characterization of COPD subjects using computed tomography, as well as clinical and physiological measures, to provide data that will enable the broad COPD syndrome to be decomposed into clinically significant subtypes. (2) Use genome-wide association studies to identify genetic determinants for COPD susceptibility. (3) Identify distinct genetic determinants that influence the development of emphysema and airway disease.

R01HL122464 (Washko) NIH/NHLBI	08/01/18-08/31/22 \$185,441 (subcontract only)	3.6 calendar
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smokers. Image based assessments of the pectoralis and erector spinae muscles and adjacent subcutaneous fat as well as diaphragm muscle thickness will be explored in two large observational studies, COPDGene and ECLIPSE. Cross sectional and longitudinal associations with clinically relevant outcomes will be explored.

PENDING

Submitted to NIDA (Bowler, Kinney) 01-Jul-2019 – 30-Jun-2024
(\$2,109,131)

Major Goals: This proposal will assess emerging cannabis use behaviors, FDA medication replacement with cannabis and secondhand and thirdhand cannabis exposure.

Submitted to NHLBI 10/2018 (Hoth) 01-Jul-2019 - 30-Jun-2024
\$393,590 (subcontract only)

Link Between Impaired Neurocognition and COPD Heterogeneity (LINC)
Kinney Co-I

Major Goals: This proposed ancillary study of the NIH-funded COPDGene project will identify subgroups of smokers with Chronic Obstructive Pulmonary Disease (COPD) who are at increased risk for cognitive impairment.

OVERLAP

None

Previously awarded funding at the University of Colorado Denver:

1R01HL116473 (Washko, San Jose Estepar) 02/01/13-01/31/18 1.2 calendar
NIH/NHLBI (\$33,600 subcontract only)

The Clinical Impact of Pulmonary Vascular Remodeling in Smokers.

The goal of this project is to develop and validate a computed tomographic based assessment of pulmonary vascular remodeling in smokers for clinical and epidemiologic investigation.

DP3DK108209 (Bornfeldt, Heinecke) 09/30/15 – 08/31/18 0.3 calendar
NIH/NIDDK \$18,000 (subcontract only)

This study address the goals of RFA-DK-14-017 by combining prospective studies of CVD risk in T1DM humans and highly mechanistic studies in a mouse model of T1DM. It is hypothesized that HDL-APOC3 associates with the risk of future CVD events in T1DM patients and that the underlying mechanism involves HDL dysfunction (e.g. reduced sterol efflux capacity) mediated by APOC3.

R01HL113029 (Snell-Bergeon) 06/01/13-05/30/17
NIH/NHLBI: Complications and Comorbidities of Type 1 Diabetes \$485,528

Major Goals: To determine the risk factors for the development of accelerated coronary artery disease, diabetic nephropathy, retinopathy and neuropathy in a cohort of adults with long-term type 1 diabetes.

0950101G (Nelson, PI) 2009–2011 \$198,000 (direct cost)

American Heart Association Grant in Aid

Association of the Lp-PLA2 gene with cardiovascular mortality among Hispanics and Non-Hispanic whites.

Kinney: Analyst (contract)

This study aims to investigate genetic variability in the Lp-PLA2 gene (PLA2G7) and its association with levels of Lp-PLA2. We will also investigate the genes longitudinal association with cardiovascular mortality.

1R01HL089897-01A1 (Crapo, PI) 2007 – 2013 \$25,000,000 (direct cost)
NIH, NHLBI

(1 of 2) Genetic Epidemiology of COPD

Kinney: Analyst Epidemiology Center (50% effort)

Genome wide association study of COPD and COPD subtypes.

1R01 HL089856-01A1 (Silverman, PI) 2007 – 2013 (linked to previous)
NIH, NHLBI
(2 of 2) Genetic Epidemiology of COPD: Genome-Wide Analysis
Kinney: Analyst Epidemiology Center (50% effort)
Genome wide association study of COPD and COPD subtypes.

R01 HL61753 (Rewers, PI) 1999- 2004 \$440,589 (direct cost)
NIH, NHLBI 2005 - 2009 \$1,936,864 (direct cost)
Subclinical Heart Disease in Type 1 Diabetes
Kinney: Analyst and Data Manger (50 % effort)
Determinants of progression of coronary artery calcium in type 1 diabetes.

RO1 HL079611-01 (Rewers, PI) 2004 – 2008 \$608,446 (direct cost)
NIH
Determinants of accelerated CVD in Type 1 Diabetes
Kinney: Analyst (50 % effort)
To identify factors leading to increased cardiovascular disease in type 1 diabetes.

II. BIBLIOGRAPHY:

DISSERTATION / THESIS:

1. Kinney, G.L. "Chronic Obstructive Pulmonary Disease Mortality in Colorado; the role of environmental exposures, regionality and ethnicity", Doctoral dissertation completed October, 2, 2012. Colorado School of Public Health, Department of Epidemiology.

SOLICITED PUBLICATIONS:

1. Kinney G.L. and Baker E.H. "Type 2 Diabetes Mellitus and Chronic Obstructive Pulmonary Disease - Need for a Double Pronged Approach", [Diabetes Management, Volume 4, Number 4, 2014](#)
2. Kinney G.L. "Diabetes and the Lungs; where have we been and where are we going?", [Lung Health Professional, Volume 5, Number 3, 2014](#)

PEER REVIEW PUBLICATIONS:

<http://orcid.org/0000-0002-5218-4986>

Scopus Author ID: 7004157164

1. [Alcohol consumption and risk of stroke: a meta-analysis.](#) Reynolds K, Lewis B, Nolen JD, Kinney GL, Sathya B, He J. JAMA. 2003 Feb 5;289(5):579-88. PMID:12578491 PMCID: -
2. [Progression of coronary artery calcification in type 1 diabetes: the importance of glycemic control.](#) Snell-Bergeon JK, Hokanson JE, Jensen L, MacKenzie T, Kinney G, Dabelea D, Eckel RH, Ehrlich J, Garg S, Rewers M. Diabetes Care. 2003 Oct;26(10):2923-8. PMID: 14514603 PMCID: -
3. [Effect of type 1 diabetes on the gender difference in coronary artery calcification: a role for insulin resistance? The Coronary Artery Calcification in Type 1 Diabetes \(CACTI\) Study.](#) Dabelea D, Kinney G, Snell-Bergeon JK, Hokanson JE, Eckel RH, Ehrlich J, Garg S, Hamman RF, Rewers M; Coronary Artery Calcification in Type 1 Diabetes Study. Diabetes. 2003 Nov;52(11):2833-9. Erratum in: Diabetes. 2004 Aug;53(8):2177. PMID 14578303 PMCID: -
4. [Evaluating changes in coronary artery calcium: an analytic method that accounts for interscan variability.](#) Hokanson JE, MacKenzie T, Kinney G, Snell-Bergeon JK, Dabelea D, Ehrlich J, Eckel RH, Rewers M. AJR Am J Roentgenol. 2004 May;182(5):1327-32. PMID: 15100140 PMCID: -
5. [Measurement of abdominal fat by CT compared to waist circumference and BMI in explaining the presence of coronary calcium.](#) Snell-Bergeon JK, Hokanson JE, Kinney GL, Dabelea D, Ehrlich J, Eckel RH, Ogden L, Rewers M. Int J Obes Relat Metab Disord. 2004 Dec;28(12):1594-9. PMID: 15467773 PMCID:
6. [Hypertension prevalence, awareness, treatment, and control in an adult type 1 diabetes population and a comparable general population.](#) Maahs DM, Kinney GL, Wadwa P, Snell-Bergeon JK, Dabelea D, Hokanson J, Ehrlich J, Garg S, Eckel RH, Rewers MJ. Diabetes Care. 2005 Feb;28(2):301-6. PMID: 15677783 PMCID:
7. [Low plasma adiponectin levels predict progression of coronary artery calcification.](#) Maahs DM, Ogden LG, Kinney GL, Wadwa P, Snell-Bergeon JK, Dabelea D, Hokanson JE, Ehrlich J, Eckel RH, Rewers M. Circulation. 2005 Feb 15;111(6):747-53. Epub 2005 Feb 7. PMID: 15699257 PMCID:
8. [Awareness and treatment of dyslipidemia in young adults with type 1 diabetes.](#) Wadwa RP, Kinney GL, Maahs DM, Snell-Bergeon J, Hokanson JE, Garg SK, Eckel RH, Rewers M. Diabetes Care. 2005 May;28(5):1051-6. PMID: 15855566 PMCID:

9. [Increased platelet Fc receptor expression in diabetes is limited to those with type 2 disease and low LDL cholesterol levels.](#) Calverley DC, Baldermann LV, Heldt ML, **Kinney GL**, Hokanson JE. *Atherosclerosis*. 2006 Mar;185(1):173-6. Epub 2005 Jul 11. PMID: 16005880 PMCID:
10. [Soluble interleukin-2 receptor as a marker for progression of coronary artery calcification in type 1 diabetes.](#) Wadwa RP, **Kinney GL**, Ogden L, Snell-Bergeon JK, Maahs DM, Cornell E, Tracy RP, Rewers M. *Int J Biochem Cell Biol*. 2006;38(5-6):996-1003. Epub 2005 Oct 18. PMID: 16271309 PMCID:
11. [Susceptibility to type 1 diabetes is associated with ApoCIII gene haplotypes.](#) Hokanson JE, **Kinney GL**, Cheng S, Erlich HA, Kretowski A, Rewers M. *Diabetes*. 2006 Mar;55(3):834-8. PMID: 16505251 PMCID:
12. [The apolipoprotein A-IV Gln360His polymorphism predicts progression of coronary artery calcification in patients with type 1 diabetes.](#) Kretowski A, Hokanson JE, McFann K, **Kinney GL**, Snell-Bergeon JK, Maahs DM, Wadwa RP, Eckel RH, Ogden LG, Garg SK, Li J, Cheng S, Erlich HA, Rewers M. *Diabetologia*. 2006 Aug;49(8):1946-54. Epub 2006 Jun 13. PMID: 16770585 PMCID:
13. [Determinants of serum adiponectin in persons with and without type 1 diabetes.](#) Maahs DM, Ogden LG, Snell-Bergeon JK, **Kinney GL**, Wadwa RP, Hokanson JE, Dabelea D, Kretowski A, Eckel RH, Rewers M. *Am J Epidemiol*. 2007 Sep 15;166(6):731-40. Epub 2007 Jun 24. PMID: 17591595 PMCID:
14. [Serum cystatin C predicts progression of subclinical coronary atherosclerosis in individuals with type 1 diabetes.](#) Maahs DM, Ogden LG, Kretowski A, Snell-Bergeon JK, **Kinney GL**, Berl T, Rewers M. *Diabetes*. 2007 Nov;56(11):2774-9. Epub 2007 Jul 27. PMID: 17660266 PMCID:
15. [ACE-I/ARB treatment in type 1 diabetes patients with albuminuria is associated with lower odds of progression of coronary artery calcification.](#) Maahs DM, Snell-Bergeon JK, **Kinney GL**, Wadwa RP, Garg S, Ogden LG, Rewers M. *J Diabetes Complications*. 2007 Sep-Oct;21(5):273-9. PMID: 17825750 PMCID:
16. [Reproductive history and hormonal birth control use are associated with coronary calcium progression in women with type 1 diabetes mellitus.](#) Snell-Bergeon JK, Dabelea D, Ogden LG, Hokanson JE, **Kinney GL**, Ehrlich J, Rewers M. *J Clin Endocrinol Metab*. 2008 Jun;93(6):2142-8. Epub 2008 Mar 18. PMID: 18349069 PMCID: PMC2435635
17. [Evaluation of urinary biomarkers for coronary artery disease, diabetes, and diabetic kidney disease.](#) Snell-Bergeon JK, Maahs DM, Ogden LG, **Kinney GL**, Hokanson JE, Schiffer E, Rewers M, Mischak H. *Diabetes Technol Ther*. 2009 Jan;11(1):1-9. PMID: 19132849 PMCID: PMC2939844
18. [Prevalence and correlates of depression in individuals with and without type 1 diabetes.](#) Gendelman N, Snell-Bergeon JK, McFann K, **Kinney G**, Paul Wadwa R, Bishop F, Rewers M, Maahs DM. *Diabetes Care*. 2009 Apr;32(4):575-9. Epub 2009 Jan 26. PMID: 19171719 PMCID: PMC2660458
19. [Adults with type 1 diabetes eat a high-fat atherogenic diet that is associated with coronary artery calcium.](#) Snell-Bergeon JK, Chartier-Logan C, Maahs DM, Ogden LG, Hokanson JE, **Kinney GL**, Eckel RH, Ehrlich J, Rewers M. *Diabetologia*. 2009 May;52(5):801-9. Epub 2009 Feb 14. PMID: 19219420 PMCID: PMC2896567
20. [Higher fibrinogen levels predict progression of coronary artery calcification in adults with type 1 diabetes.](#) Rodrigues TC, Snell-Bergeon JK, Maahs DM, **Kinney GL**, Rewers M. *Atherosclerosis*. 2010 Jun;210(2):671-3. Epub 2010 Jan 4. PMID: 20079495 PMCID: PMC2896570
21. [Relationship between cystatin C and coronary artery atherosclerosis progression differs by type 1 diabetes.](#) Maahs DM, Snell-Bergeon JK, Hokanson JE, **Kinney GL**, Berl T, Rewers M, Ogden LG. *Diabetes Technol Ther*. 2010 Jan;12(1):25-33. PMID: 20082582 PMCID: PMC2883530
22. [Lifestyle risk factors for atherosclerosis in adults with type 1 diabetes.](#) Bishop FK, Maahs DM, Snell-Bergeon JK, Ogden LG, **Kinney GL**, Rewers M. *Diab Vasc Dis Res*. 2009 Oct;6(4):269-75. PMID: 20368221 PMCID:
23. [Lipoprotein subfraction cholesterol distribution is proatherogenic in women with type 1 diabetes and insulin resistance.](#) Maahs DM, Hokanson JE, Wang H, **Kinney GL**, Snell-Bergeon JK, East A, Bergman BC, Schauer

- IE, Rewers M, Eckel RH. Diabetes. 2010 Jul;59(7):1771-9. Epub 2010 Apr 14. PMID: 20393149 PMCID: PMC2889778
24. [Serum uric acid predicts progression of subclinical coronary atherosclerosis in individuals without renal disease.](#) Rodrigues TC, Maahs DM, Johnson RJ, Jalal DI, **Kinney GL**, Rivard C, Rewers M, Snell-Bergeon JK. Diabetes Care. 2010 Nov;33(11):2471-3. Epub 2010 Aug 26. PMID: 20798338 PMCID: PMC2963516
 25. [Glycaemic variability is associated with coronary artery calcium in men with Type 1 diabetes: the Coronary Artery Calcification in Type 1 Diabetes study.](#) Snell-Bergeon JK, Roman R, Rodbard D, Garg S, Maahs DM, Schauer IE, Bergman BC, **Kinney GL**, Rewers M. Diabet Med. 2010 Dec;27(12):1436-42. PMID: 21059097 PMCID: PMC3052953
 26. [Reduced heart rate variability predicts progression of coronary artery calcification in adults with type 1 diabetes and controls without diabetes.](#) Rodrigues TC, Ehrlich J, Hunter CM, **Kinney GL**, Rewers M, Snell-Bergeon JK. Diabetes Technol Ther. 2010 Dec;12(12):963-9. PMID:21128843 PMCID: PMC3014754
 27. [Progression of coronary artery calcium predicts all-cause mortality.](#) Budoff MJ, Hokanson JE, Nasir K, Shaw LJ, **Kinney GL**, Chow D, Demoss D, Nuguri V, Nabavi V, Ratakonda R, Berman DS, Raggi P. JACC Cardiovasc Imaging. 2010 Dec;3(12):1229-36. PMID: 21163451 PMCID:
 28. [Coronary artery and thoracic calcium on noncontrast thoracic CT scans: comparison of ungated and gated examinations in patients from the COPD Gene cohort.](#) Budoff MJ, Nasir K, **Kinney GL**, Hokanson JE, Barr RG, Steiner R, Nath H, Lopez-Garcia C, Black-Shinn J, Casaburi R. J Cardiovasc Comput Tomogr. 2011 Mar-Apr;5(2):113-8. Epub 2010 Nov 22. PMID: 21167806 PMCID: PMC3075464
 29. [Lipoprotein-associated phospholipase A₂ activity predicts progression of subclinical coronary atherosclerosis.](#) **Kinney GL**, Snell-Bergeon JK, Maahs DM, Eckel RH, Ehrlich J, Rewers M, Hokanson JE. Diabetes Technol Ther. 2011 Mar;13(3):381-7. Epub 2011 Feb 3. PMID: 21291330 PMCID: PMC3101921
 30. [Obesity and coronary artery calcium in diabetes: the Coronary Artery Calcification in Type 1 Diabetes \(CACTI\) study.](#) Rodrigues TC, Veyna AM, Haarhues MD, **Kinney GL**, Rewers M, Snell-Bergeon JK. Diabetes Technol Ther. 2011 Oct;13(10):991-6. doi: 10.1089/dia.2011.0046. Epub 2011 Jul 19. PMID: 21770813 PMCID: PMC3182677
 31. [Haptoglobin Genotype Predicts Development of Coronary Artery Calcification in a prospective cohort of Patients with Type 1 Diabetes.](#) Melissa Simpson, Janet K Snell-Bergeon, **Gregory L Kinney**, Orit Lache, Rachel Miller-Lotan, Yefim Anbinder, Marian Rewers and Andrew Levy, Cardiovascular Diabetology, 2011, 10:99 PMID: 22098782 PMCID: PMC3231951
 32. [Prospective Association Between Inflammatory Markers and Progression of Coronary Artery Calcification in Adults With and Without Type 1 Diabetes.](#) Amy C. Alman, **Gregory L. Kinney**, Russell P. Tracy, David M. Maahs, John E. Hokanson, Marian Rewers, Janet K Snell-Bergeon, Diabetes Care. 2013 Jul;36(7):1967-73. doi: 10.2337/dc12-1874. PMID:23340891 PMCID:PMC3687315
 33. [Computed Tomographic Measures of Pulmonary Vascular Morphology in Smokers and their Clinical Implications.](#) San José Estépar, Raúl, **Kinney, Gregory**; Black-Shinn, Jennifer; Bowler, Russell; Kindlmann, Gordon; Ross, James; Kikinis, Ron; Han, MeiLan; Come, Carolyn; Diaz, Alejandro; Cho, Michael; Hersh, Craig; Schroeder, Joyce; Reilly, John; Lynch, David; Crapo, James; Wells, J; Dransfield, Mark; Hokanson, John; Washko, George, Am J Respir Crit Care Med, May 8, 2013 PMID: 23656466 PMCID:PMC3778757
 34. [Pulmonary Function Reduction in Diabetes Mellitus with and without Chronic Obstructive Pulmonary Disease](#) **Gregory L Kinney**, Jennifer L. Black-Shinn, Emily S Wan, Barry Make, Elizabeth Regan, Sharon Lutz, Xavier Soler, Edwin K Silverman, James Crapo, John E Hokanson, and the COPDGene Investigators Diabetes Care. 2014 Feb;37(2):389-95. doi: 10.2337/dc13-1435. Epub 2013 Sep 11 PMID:24026562 PMCID:PMC3898761
 35. [Is low CACs really different from zero. A report from the Coronary Artery Calcification in Type 1 Diabetes \(CACTI\) Study.](#) Amy C. Alman, John E Hokanson, **Gregory L Kinney**, David M Maahs, Marian J Rewers,

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PEER REVIEW MANUSCRIPTS SUBMITTED OR UNDER REVISION:

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Turning Subtypes into Disease Axes to Improve Prediction of COPD Progression
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Clinical epidemiology of COPD – Insights from 10 years of the COPDGene study Diego J. Maselli, Antonio Anzueto, Surya P. Bhatt, Russell P. Bowler, Dawn L. DeMeo, Alejandro A. Diaz, Mark T. Dransfield, Ashraf Fawzy, Marilyn G. Foreman, Nicola A. Hanania, Craig P. Hersh, Victor Kim, **Gregory L. Kinney**, Nirupama Putcha, Emily S. Wan, J. Michael Wells, Gloria E. Westney, Kendra A. Young, MeiLan K. Han, Barry J. Make
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84. Determinants of 5-Year Change in BMI in Current and Former Smokers, **Kinney GL**, Darabian S, Jacobs M, Lambert A, Black-Shinn J, Anzuet A, Bon J, Boriek A, Bowler R, Dass C, DeMeo D, Foreman M, Hoffman E, Kim V, Li D, Parulekar A, Van Beek E, Yen A, Wise B, Curtis J, Newell J, Hokanson J, Make B, Washko G, Rossiter HB, Casaburi R, Rennard S, McDonald ML
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85. Obesity is Associated with Worse Markers of COPD Disease Severity, Allison Lambert, Niru Putcha, M. Bradley Drummond, Aladin Boriek, Nicola Hanania, Victor Kim, **Gregory L Kinney**, Merry-Lynn McDonald, Emily Brigham, Robert Wise, Meredith McCormack, Nadia Hansel, and the COPDGene Investigators
Source: American Thoracic Society International Conference 2015, Oral Presentation
86. Increased Subclinical Atherosclerosis Among Preserved Ratio Impaired Spirometry (PRISm) Subjects Relative to Smokers with Normal Spirometry in the COPDGene Study, Young KA, **Kinney GL**, Castaldi PJ, Cho MH, Regan EA, Make BJ, Beaty TH, Han MK, Curtis JL, DeMeo DL, Crapo JD, Silverman EK, Budoff M, Hokanson JE, Wan ES; COPDGene Investigators.
Source: American Thoracic Society International Conference 2015, Poster Presentation
87. Correlates of 5 Year Decline in 6-Minute Walk Distance in the COPDGene Cohort, J.A. Gordon, J. Porszasz, H.B. Rossiter, A. Boriek, D. Chandra, G.J. Criner, S. Darabian, A.A., Diaz, **G.L. Kinney**, B.J. Make, N. Marchetti, M.-L.N. McDonald, E.A. Regan, S.I. Rennard, X., Soler, E. Edwin Van Beek, R. Casaburi, and the COPDGene Investigators
Source: American Thoracic Society International Conference 2015, Poser Presentation
88. Antidepressant use among heavy smokers: Examination of the COPDGene Study Cohort, Gen Shinozaki, **Gregory L. Kinney**, Fred S. Wamboldt, Victor Kim, Elizabeth A. Regan, Kristen E. Holm, Marilyn Foreman, Robert A. Wise, Carlos H. Martinez, Nicola A. Hanania, Katherine Pratte, Barry Make, Karin F. Hoth, and the COPDGene Investigators
Source: American Thoracic Society International Conference 2015, Poster Presentation
89. Results from COPDGene Phase 2: Predictors of Lung Function Decline in Smokers, Surya P. Bhatt, Xavier Soler, Xin Wang, Susan Murray, Antonio Anzueto, Terri Beaty, Jennifer Black-Shinn, Aladin Boriek, Richard Casaburi, Francis Cordova, Gerard Criner, Douglas Everett, Dawn DeMeo, Mark T. Dransfield, Raul San Jose Estepar, Marilyn G. Foreman, Craig Galban, Nicola Hanania, John Hokanson, Robert L. Jensen, Ella Kazerooni, Victor Kim, **Gregory L Kinney**, C. Lan, Dong Li, David Lynch, Barry J. Make, Fernando Martinez, Charlene McEvoy, Meg Parker, Amit Parulekar, Janos Porszasz, Katherine Pratte, Mustafa Al Qaisi, Joe Ramsdell, Brain Ross, Harry Rossiter, Amir Sharafkhaneh, Arkadiusz Sitek, Matt Strand, Edwin Van Beek, Emily S. Wan, George Washko, James M Wells, Chris Wendt, Robert Wise, Andrew Young, Edwin Silverman, James Crapo, Russ P Bowler, MeiLan K Han.
Source: American Thoracic Society International Conference 2015
90. Prevalence of cardioprotective agents use in smokers with and without Chronic Obstructive Pulmonary Disease (COPD) with high and very high Coronary Artery Calcium Scores (CACs), Alejandra Carpio MD, Chandra Dass MD, Cole Liberator MD, Jennifer Y. So MD, Scott Simpson MD, Huaqing Zhao PhD, **Gregory L. Kinney MPH, PhD** and Gerard J. Criner MD for the COPDGene investigators
Source: American Thoracic Society International Conference 2015, Poster Presentation
91. Blood biomarkers of exacerbations in the SPIROMICS and COPDGene cohorts, Jason Keene, Jeffrey L.Curtis, Claire M Doerschuk, Marilyn Foreman, **Gregory Kinney**, Jennifer Black-shinn, Meilan Han, Sean Jacobson, Katerina Kechris, Prescott Woodruff, Wanda O'Neal, Steve Rennard, Graham Barr, Eugene Bleecker, Eric Kleerup, Rich Kanner, Nadia Hansel, Fernando Martinez, Russell Bowler
Source: American Thoracic Society International Conference 2015
92. The Significance and Clinical Impact of Marijuana Use in the SPIROMICS Cohort, Todd Carlson, Sean Jacobson, Prescott Woodruff, **Gregory L Kinney**, Meilan Han, Nadia Hansel, Wanda O'Neal, Don Tashkin, Russell Bowler
Source: American Thoracic Society International Conference 2015
93. Six Minute Walk Distance is Less in Individuals with Sub-Clinical Atherosclerosis: The COPDGene Study L.M. Duca, MS, J.A. Gordon, MD, J. Porszasz, MD, PhD, H.B. Rossiter, PhD, **G.L. Kinney**, MPH, PhD, G.R. Washko, MD, R.G. Barr, MD, DrPH, D.A. Lynch, MD, B.J. Make, MD, E.K. Silverman, MD, PhD, J. Crapo, MD, M.J. Budoff, MD, J.E. Hokanson, PhD, R. Casaburi, MD, PhD
Source: American Thoracic Society International Conference 2015

94. The Association Between CT Measures of Body Composition and Coronary Artery Calcium in Smokers, A.A. Diaz, MD, M. Budoff, MD, **G.L. Kinney**, MPH, PhD, M.-L. McDonald, PhD, J.L. Black-Shinn, MPH, K. Young, PhD, J.E. Hokanson, PhD, G.R. Washko, MD
Source: American Thoracic Society International Conference 2015
95. Reduced Circulating T-Cadherin Levels are Associated with Increased Coronary Artery Calcium Scores in Smokers with and Without COPD, D. Chandra, MD MSc, **G.L. Kinney**, MPH, PhD, S.M. Lutz, Ph.D., G.R. Washko, MD, M.J. Budoff, MD, R. Casaburi, MD, PhD, S. Darabian, MD, H. Nath, MD, D. Li, MD PhD, F.C. Sciruba, MD, J.E. Hokanson, PhD, R.P. Bowler, MD, PhD
96. Factors Describing Chronic Obstructive Pulmonary Disease Predict All-Cause Mortality in Smokers
Gregory L Kinney, Stephanie Santorico, Michael Cho, Kendra Young, Peter Castaldi, Jennifer L. Black-Shinn, Barry Make, Elizabeth Regan, Russell P Bowler, Sharon Lutz, Edwin K Silverman, James Crapo, John E Hokanson, and the COPDGene Investigators
American Thoracic Society International Conference 2016
97. Long-Term Glycemic Control and Pulmonary Function in Type 1 Diabetes. **Gregory L Kinney**, Lindsey Duca, Petter Bjornstad, Laura L Pyle, David Maahs, Marian Rewers, Janet Snell-Bergeon
Source; American Diabetes Association International Conference 2016
98. Growth Differentiation Factor-15 (GDF-15) Levels in Chronic Obstructive Pulmonary Disease are Associated with Subclinical Coronary Artery Disease: An analysis of the COPDGene cohort
Carlos H. Martinez, Christine M. Freeman, Joshua D. Nelson, Susan Murray, ScD, Xin Wang, Matthew J. Budoff, Mark T. Dransfield, M.D, John E. Hokanson, **Gregory L. Kinney**, Elizabeth A. Regan, J. Michael Wells, MeiLan K. Han, Jeffrey L. Curtis for the COPDGene Investigators
Source American Thoracic Society International Conference 2016
99. Greater Walking Distance Is Associated With Lower Levels Of Growth Differentiation Factor-15 in COPD: An Analysis of the COPD Gene Cohort
Lu Guo, Christine M. Freeman, Matthew J. Budoff, Mark T. Dransfield, MeiLan K. Han, John E. Hokanson, **Gregory L. Kinney**, Elizabeth A. Regan, J. Michael Wells, Jeffrey L. Curtis, Carlos H. Martinez for the COPDGene Investigators
Source; American Thoracic Society International Conference 2016
100. Co-morbidities and Cardiac Associated Mortality in Smokers
Gregory L Kinney, Kendra A Young, Katherine Pratte, Elizabeth Regan, Lindsey Duca, Barry Make, James Crapo, John Hokanson and the COPDGene Investigators
Source; EPI/Lifestyle 2017 Scientific Sessions
101. Gene-Gene Interaction: SERPINE1 Interacts with ANRIL in Association with Coronary Artery Disease and Coronary Artery Calcium in a Non-Hispanic Population
Katherine A Pratte, Sharon M. Lutz, Tasha E. Fingerlin, Russell P. Bowler, **Gregory L. Kinney**, Kendra A. Young, Michael H. Cho, Richard Casaburi, Edwin K. Silverman, James D. Crapo, Matthew J. Budoff, John E. Hokanson
Source; EPI/Lifestyle 2017 Scientific Sessions
102. Fatty Liver Disease, Visceral Fat and Pectoral Muscle Area Are Independently Associated with Subclinical Atherosclerosis in Heavy Smokers
Kendra A. Young, **Gregory L. Kinney**, Merry-Lynn McDonald, George R. Washko, Sharon M. Lutz, Katherine A. Pratte, Edwin K. Silverman, James D. Crapo, Matthew J. Budoff, John E. Hokanson
Source; EPI/Lifestyle 2017 Scientific Sessions
103. Psychological Distress Prospectively Predicts Severe Exacerbations in Smokers with and Without Airflow Limitation - A Longitudinal Follow-Up Study of the COPDGene Cohort
Source; American Thoracic Society International Conference 2016
104. Effect of gender and menopause on coronary artery calcium in the COPDGene study, Amena Keshawarz,

Dawn L. DeMeo, Marilyn G. Foreman, Sharon Lutz, Kendra A. Young, Elizabeth Regan, John E. Hokanson, Matthew J. Budoff, **Gregory L. Kinney**
Source; COPD10/COPD Foundation National Meeting 2017 poster presentation

105. Low-Income Smokers Show Increased Five-Year Progression of Lung Disease, Katherine E. Lowe, Barry J. Make, James D. Crapo, Carlos H. Martinez, **Gregory L. Kinney**, John E. Hokanson, Victor Kim, Anand S. Iyer, Surya P. Bhatt, Karin F. Hoth, Kristen E. Holm, Robert Wise, Dawn DeMeo Marilyn G. Foreman, Thomas J. Stone, Elizabeth A. Regan for the COPDGene Investigators
Source; European Respiratory Society, 2017 poster presentation
106. Maternal marijuana exposure by self-report and umbilical cord sampling in a state with legalization, Torri D. Metz, Robert M. Silver, Gwendolyn A. McMillin, Amanda A. Allshouse, Chanel Mansfield, Kennon Heard, **Gregory L Kinney**, Erica Wymore, Ingrid A. Binswanger
Source: SMFM 2018 Annual Pregnancy Meeting
107. A Novel Adjustment Approach for Co-Morbidities Improves Assessment of All-Cause Mortality Risk in COPD **Gregory L. Kinney**, Kendra Young, Sharon Lutz, Megan Parker, Annie Thwing, Katherine Pratte, Christina Wern, John Hokanson,
Source; American Thoracic Society International meeting, 2018, RAPID poster discussion session
108. Systemic Inflammatory Biomarker Analysis in Current and Former Smokers With and Without Bronchiectasis **Gregory L. Kinney**, Kendra Young, Yuka Okajima, Carlos H. Martinez, Diego J. Maselli, Wei Wang, John E. Hokanson, Jeffrey L. Curtis, Raul San Jose Estepar, Brian D. Ross, MeiLan K. Han MD, Fernando J. Martinez, Russell P Bowler, Alejandro A. Diaz, MD for the COPDGene Investigators
Source; American Thoracic Society International meeting, 2018, RAPID poster discussion session
109. SERPINE1 Variant rs1050955 is Associated with Plasminogen Activator Inhibitor-1 Levels in Chronic Obstructive Pulmonary Disease, Katherine A. Pratte, Sharon M. Lutz, **Gregory L. Kinney**, Kendra A. Young, Michael H. Cho, Edwin K. Silverman, James D. Crapo, Russell P. Bowler, John E. Hokanson
Source; American Thoracic Society International meeting, 2018, poster
110. Small Vessel Arterial Blood Volume but Not Venous Predicts Outcomes in Smokers
San Jose Estepar R, Nardelli P, **Kinney GL**, Young K, Rahaghi FN, Hokanson J, and Washko GR
Source; American Thoracic Society International meeting, 2018, Mini-Symposium
111. DLCO influences morbidity beyond spirometry and CT evidence of emphysema in COPDGene
Meredith McCormack MD MHS, Neil MacIntyre, Rob Henderson, Robert Jensen, **Gregory L Kinney**, William Stringer, Craig Hersch, Russell Bowler, Richard Casaburi, MeiLan Han, Janos Porszasz, Graham Barr, Barry Make, Robert Wise
Source; American Thoracic Society International meeting, 2018, RAPID poster discussion session
112. HOW MUCH THC DID YOU SMOKE? Cristina Sempio, Jelena Klawitter, Erik De Bloois, Thomas Henthorn, Russell Bowler, **Gregory L Kinney**, Christian Hopfer, Jeffrey Galinkin, Uwe Christians and Jost Klawitter
Source; Institute of Cannabis Research Conference, Pueblo, Co, poster presentation
113. Clinical Associations of Epicardial Ventricular Size in Smokers, Rahaghi F, Nardelli P, Sanchez-Ferrero VG, Ash SY, Diaz AA, Come CE, Ross J, Labaki W, Han MK, **Kinney GL**, Celli B, Cuttica M, Agusti A, Wells JM, Bhatt SP, Kalhan R, Hokanson J, Dransfield MT, San Jose Estepar R and Washko GR, for the COPDGene Investigators
American Thoracic Society International meeting, 2018 RAPID poster discussion session
114. Predictors of Combined Low Fat Free Mass Index and Bone Mineral Density in Current and Former Smokers in COPDGene Wilson, Ava C, Alejandro A. Diaz, Sharon M. Lutz, Rola Harmouche, Raul San Jose Estepar, **Gregory Kinney**, John E. Hokanson, Stephen I. Rennard, Casaburi R, Jessica M Bon, Surya Bhatt, Mark T. Dransfiel, George R. Washko, Elizabeth Regan and Merry-Lynn McDonald
American Thoracic Society International meeting, 2018

115. DLCO and Pulmonary Function in Heavy Cannabis Users, **Gregory L Kinney**, Cristina Sempio, Emily Lindley, Jost Klawitter, Russel P Bowler
American Thoracic Society International meeting, 2019 poster session
116. Factors Capturing the Covariance Structure of COPD Related Change Over Time Separate Change in Pulmonary Function from Change on CT Measures in COPDGene, **Gregory L Kinney**, Kendra Young, Elizabeth Regan, Barry Make, Margaret Ragland, Mathew Strand, James Crapo, John Hokanson
American Thoracic Society International meeting, 2019 poster discussion session
117. Pulmonary Subtypes Are Associated With Progression From Normal Spirometry to PRISm and GOLD 1 in COPDGene, Kendra Young, **Gregory L Kinney**, Elizabeth Regan, Barry Make, Margaret Ragland, Mathew Strand, James Crapo, John Hokanson
American Thoracic Society International meeting, 2019 poster discussion session
118. Hoth KF, Regan EA, Make B, Han MK, Foreman MG, Iyer A, Bhatt SP, Kim V, Bon J, Soler X, **Kinney GL**, Hanania NA, Lowe KE, Holm KE, Yohannes AM, Shinozaki G, Fiedorowicz JG. For the COPDGene Investigators. Clinical markers associated with risk of suicide or drug overdose among heavy smokers - A longitudinal follow-up study of the COPDGene cohort.
American Thoracic Society meeting, Dallas, TX. Rapid Poster Session

Submitted to American Thoracic Society International Meeting 2019

Hemoglobin as a Biomarker for Clinical Outcomes in Chronic Obstructive Pulmonary Disease, Aparna Balasubramanian¹, Robert Henderson¹, Nirupama Putcha¹, Sarath Raju¹, Neil R. MacIntyre², Robert L. Jensen³, Gregory Kinney⁴, William W. Stringer⁵, Craig P. Hersh⁶, Russell P. Bowler⁷, Richard Casaburi⁵, MeiLan K. Han⁸, Janos Porszasz⁵, R. Graham Barr⁹, Barry J. Make⁴, Meredith C. McCormack¹, Robert A. Wise

Predictors of empiric treatment in smokers with preserved lung function, Nicholas Arnold, Hersh Craig, Emily Wan, Gregory L Kinney, Kendra Young, John Hokanson, Elizabeth Regan, Alejandro Comellas MD, Spyridon Fortis