

CURRICULUM VITAE

Dennis Moledina, MD, PhD, FASN

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Contact Information:

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Education:

08/2002 - 02/2009 MD, M.P. Shah Medical College, Jamnagar, GJ
07/2015 - 12/2018 PhD, Yale Graduate School of Arts and Sciences, Investigative Medicine, New Haven, CT

Career/Academic Appointments:

07/2010 - 06/2013 Resident Physician, Internal Medicine, Winthrop University Hospital (SUNY Stony Brook), Mineola, NY
07/2013 - 06/2015 Clinical Fellow, Internal Medicine (Nephrology), Yale School of Medicine, New Haven, CT
07/2015 - 06/2018 Postdoctoral Fellow, Internal Medicine (Nephrology), Yale School of Medicine, New Haven, CT
07/2018 - 06/2019 Instructor, Nephrology (Medicine), Yale School of Medicine, New Haven, CT
07/2019 - Present Assistant Professor, Nephrology (Medicine), Yale School of Medicine, New Haven, CT

Administrative Positions:

2020 - Present Director, Kidney BioBank, Internal Medicine, Yale School of Medicine, New Haven, CT

Professional Honors & Recognition:

International/National/Regional

2012 Outstanding Second Year Medical Resident, Winthrop-University Hospital- SUNY Stony Brook
2013 John F Aloia Award for Academic Excellence, Winthrop-University Hospital- SUNY Stony Brook

2015 Top Oral Abstract by a Trainee, American Society of Nephrology
2017 Patterson Trust Mentored Research Award
2018 American Heart Association Career Development Award
2018 KPMP Opportunity Pool Travel Grant, Kidney Precision Medicine Program (KPMP)
2018 K23 Mentored Patient-Oriented Career Development Award, NIH/NIDDK
2021 Fellow, American Society of Nephrology

Yale University/Yale School of Medicine/Hospital System

2015 Outstanding Renal Fellow, Faculty and Fellows of Yale Nephrology

Patents:

Pending

1. **Moledina, Dennis**, Parikh, Chirag. 2020. Systems and Methods for diagnosis of acute interstitial nephritis. United States 16/536718, filed March 05, 2020. Patent Pending.

Grants/Clinical Trials History:

Current Grants

Agency: Johns Hopkins University/NIH/NIDDK
I.D.#: 1R01DK
Title: Post-discharge follow-up of patients with severe AKI
P.I.: Parikh, Chirag
Role: Co-Investigator
Percent effort: 5%
Direct costs per year: \$70,000.00
Total costs for project period: \$350,000.00
Project period: 7/1/2021 - 6/30/2026

Agency: NIDDK
I.D.#: 1R01DK128087
Title: Biomarkers for acute interstitial nephritis in humans
P.I.: Moledina, DG
Role: PI
Percent effort: 30%
Direct costs per year: \$459,814.00
Total costs for project period: \$2,957,904.00
Project period: 6/1/2021 - 5/31/2026

Agency: NIDDK
I.D.#: R01
Title: Biomarkers and kidney outcomes in COVID-19

P.I.: Parikh, CR
Role: Co-Investigator
Percent effort: 5%
Direct costs per year: \$30,000.00
Total costs for project period: N/A
Project period: 4/1/2021 - 3/31/2026

Agency: Yale School of Medicine
I.D.#: na
Title: COVID supplemental funding
P.I.: Moledina, Dennis
Role: PD/PI
Percent effort: N/A
Direct costs per year: \$50,000.00
Total costs for project period: \$50,000.00
Project period: 10/26/2020

Agency: NIDDK
I.D.#: 1R01DK126815
Title: Defining the Pathogenesis and Prognosis of Human Acute Interstitial Nephritis
P.I.: Cantley, Lloyd
Role: Co-Investigator
Percent effort: 20%
Direct costs per year: \$419,925.00
Total costs for project period: \$2,607,062.00
Project period: 9/14/2020 - 6/30/2025

Agency: NIDDK
I.D.#: 1K23DK117065
Title: Identification of Non-Invasive Biomarkers and Indices for Diagnosis of Drug Induced Acute Interstitial Nephritis
P.I.: Moledina, DG
Role: PI
Percent effort: 50%
Direct costs per year: \$170,392.00
Total costs for project period: \$919,510.00
Project period: 9/11/2018 - 7/31/2023

Agency: NIDDK
I.D.#: 4UH3DK114866

Title: AKI Matched Phenotype Linked Evaluation with Tissue (AMPLE-Tissue)
P.I.: Parikh, CR
Role: Co-Investigator
Percent effort: 5%
Direct costs per year: \$130,000.00
Total costs for project
period: \$1,088,750.00
Project period: 7/1/2018 - 6/30/2027

Current Clinical Trials

Agency: Yale University School of Medicine
I.D.#: HIC# 2000027890REG
Title: Biorepository to support research in kidney diseases
Role: Principal Investigator
Percent effort: N/A
Total costs for project
period: N/A
Project period: 5/26/2020

Agency: Johns Hopkins University
I.D.#: HIC# 2000025364
Title: Kidney Precision Medicine Project (KPMP)
P.I.: F. Perry Wilson
Role: Sub-Investigator
Percent effort: N/A
Total costs for project
period: N/A
Project period: 6/27/2019

Past Grants

Agency: NIDDK
I.D.#: R01DK093770
Title: Novel Kidney Injury Tools in Deceased Organ Donation to Produce Graft
Outcomes
P.I.: Parikh, Chirag
Role: Co-Investigator
Percent effort: 5%
Direct costs per year: \$100,000.00
Total costs for project
period: \$100,000.00
Project period: 9/1/2020 - 8/31/2022

Agency: NIDDK

I.D.#: U2CDK114886
Title: Phenotyping AKI in COVID-19 cohort (PACC) study
P.I.: Wilson, F.
Role: Co-Investigator
Percent effort: 4%
Direct costs per year: \$29,850.00
Total costs for project period: \$100,000.00
Project period: 9/1/2020 - 6/30/2022

Agency: The George M. O'Brien Kidney Center at Yale
I.D.#: P30DK079310
Title: Identification of Subclinical Acute Interstitial Nephritis: A Pilot Study
P.I.: Moledina, DG
Role: PI
Percent effort: N/A
Direct costs per year: \$40,000.00
Total costs for project period: \$80,000.00
Project period: 8/1/2018 - 7/1/2021

Agency: American Heart Association
I.D.#: 18CDA34060118
Title: T-Cell Inflammatory Mediators as Biomarkers for Drug-Induced Acute Tubulo-Interstitial Nephritis
P.I.: Moledina, DG
Role: PI
Percent effort: 80%
Direct costs per year: \$77,000.00
Total costs for project period: \$231,000.00
Project period: 7/1/2018 - 9/10/2018

Agency: Robert E. Leet and Clara Guthrie Patterson Trust
I.D.#: Mentored Clinical Research Award
Title: Early Non-invasive Diagnosis of Human Acute Tubulo-Interstitial Nephritis (AIN) with Cytokines Representing T-helper Cell Pathway
P.I.: Moledina, DG
Role: PI
Percent effort: 35%
Direct costs per year: \$90,000.00
Total costs for project period: \$45,500.00
Project period: 1/1/2017 - 7/31/2018

Agency: NIDDK
I.D.#: T32DK007276
Title: Methods in Nephrologic Research
P.I.: Aronson, Peter
Role: Postdoctoral Trainee
Percent effort: N/A
Direct costs per year: N/A
Total costs for project period: N/A
Project period: 2/1/2017 - 6/30/2018

Pending Grants

Agency: NIDDK
I.D.#: na
Title: Diagnosis and long-term impact of acute interstitial nephritis in patients on ICI therapy
P.I.: Moledina, Dennis/Meghan Sise
Role: MPI
Percent effort: 20%
Direct costs per year: \$240,000.00
Total costs for project period: \$2,029,505.00
Project period: 5/1/2023 - 4/30/2028

Pending Clinical Trials

Agency: Yale University School of Medicine
I.D.#: HIC# 2000033212
Title: Phenotyping and outcomes of acute kidney injury in patients receiving immune checkpoint inhibitor therapy
Role: Principal Investigator
Percent effort: N/A
Total costs for project period: N/A
Project period: 9/19/2022

Invited Speaking Engagements, Presentations, Symposia & Workshops

Not Affiliated With Yale:

International/National

1. "Diagnosing Acute Interstitial Nephritis: Urine Eosinophils, Urine Sediment, and Novel Biomarkers", American Society of Nephrology Annual Meeting, Washington, November 2019 (Lecture)

2. "Acute Interstitial Nephritis", Canadian Society of Nephrology Annual Meeting **Cancelled due to COVID-19, Halifax, January 2020 (Lecture)
3. "Urinalysis, urine microscopy, urine eosinophils and novel urinary biomarkers: Utility in AKI", National Kidney Foundation: Clinical Meeting 2020, New Orleans, March 2020 (Lecture)
4. "Diagnosing AIN: Can Urine Testing be Helpful?", National Kidney Foundation: Clinical Meeting 2020, New Orleans, March 2020 (Lecture)
5. "Biomarkers for acute interstitial nephritis", Massachusetts General Hospital, Boston, November 2020 (Lecture)
6. "Challenges in Clinical Management of Acute Interstitial Nephritis", University of California: San Diego, San Diego, April 2021 (Lecture)
7. "Biomarkers for Diagnosis of Acute Interstitial Nephritis", Clinical Phenotyping Resource BioBank (C-PROBE) virtual retreat, University of Michigan, Ann Arbor, November 2021 (Oral Presentation)

Regional

8. "Biomarkers for Early Noninvasive Diagnosis of Human Acute Interstitial Nephritis", Rockefeller University: Yale-Rockefeller Scholar Retreat, New York, January 2016 (Lecture)
9. "Phenotyping AKI using Biomarkers", Winthrop University Hospital, Mineola, January 2017 (Lecture)
10. "Diagnostic Biomarker for Acute Interstitial Nephritis", Icahn School of Medicine at Mt. Sinai, New York, January 2018 (Lecture)
11. "CD4+ T-cell derived cytokines as biomarkers of acute interstitial nephritis", Yale O'Brien Kidney Center, New Haven, January 2019 (Oral Presentation)
12. "Drug-induced Nephrotoxicity", Greenwich Hospital, Greenwich, February 2019 (Lecture)
13. "Biomarkers of Acute Kidney Injury", Danbury Hospital, Danbury, June 2019 (Lecture)
14. "Acute Interstitial Nephritis: An Overview", Greenwich Hospital, Greenwich, June 2020 (Lecture)

Virtual Location

15. "Biomarkers for Diagnosis of Acute Interstitial Nephritis", National O'Brien Center Kidney Seminars, August 2021 (Lecture)

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

International/National

1. "Peri-Cardiac Surgery Levels of Plasma Neutrophil Gelatinase-associated Lipocalin Are Not Associated with Long-term Mortality Independent of Serum Creatinine Levels", American Society of Nephrology, Philadelphia, January 2014 (Oral Presentation)
2. "Evaluation of Novel Urine Biomarkers for Diagnosis of Subclinical Acute Tubular Necrosis.", American Society of Nephrology, San Diego, January 2015 (Oral Presentation)
3. "Association of Plasma Monocyte Chemotactic Protein-1 with Postoperative AKI and Mortality after Cardiac Surgery", American Society of Nephrology, Chicago, January 2016 (Oral Presentation)
4. "A parsimonious model for diagnosis of biopsy-proven acute interstitial nephritis using electronic health record data", American Society of Nephrology, Denver, October 2020 (Oral Presentation)

5. "How to Use AKI Biomarkers in Clinical Practice: Biomarkers for Acute Interstitial Nephritis and Acute Tubular Necrosis in the ICU Setting", Kidney Week 2021, American Society of Nephrology, San Diego, October 2021 (Lecture)

Professional Service:

Peer Review Groups/Grant Study Sections

2018 - Present	Abstract Grader , Abstract reviewer: American Society of Nephrology
2018 - Present	Ad-hoc reviewer, Yale PA Masters Program
2019 - 2020	Judge, National Kidney Foundation: Young Investigator Forum
2021	Ad-hoc reviewer, United Kingdom Research and Innovation (UKRI) Medical Research Council (MRC)
2022 - Present	Reviewer, nephSAP Review Panel: American Society of Nephrology

Journal Services

Editor/Editorial boards

2019 - Present	Editorial Board Member, Kidney360: American Society of Nephrology: Editorial Board Member, Editorial board member
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Reviewer

2015 - Present	Reviewer, JAMA Internal Medicine, Kidney International, Kidney International: Reports, Clinical Journal of the American Society of Nephrology, American Journal of Kidney Diseases, Nephrology Dialysis Transplantation, Drug Safety, BMC Nephrology, CNS Drugs, Am J of Heart Diseases
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Bibliography:

Peer-Reviewed Original Research

1. Shirazian S, Kline M, Sakhiya V, Schanler M, **Moledina D**, Patel C, Hazzan A, Fishbane S. Longitudinal predictors of uremic pruritus. Journal Of Renal Nutrition : The Official Journal Of The Council On Renal Nutrition Of The National Kidney Foundation 2013, 23: 428-31. [PMID: 24209894](#), [DOI: 10.1053/j.jrn.2013.08.002](#).
2. Shirazian S, Wang R, **Moledina D**, Liberman V, Zeidan J, Strand D, Mattana J. A pilot trial of a computerized renal template note to improve resident knowledge and documentation of kidney disease. Applied Clinical Informatics 2013, 4: 528-40. [PMID: 24454580](#), [PMCID: PMC3885913](#), [DOI: 10.4338/ACI-2013-07-RA-0048](#).
3. Schaub JA, Coca SG, **Moledina DG**, Gentry M, Testani JM, Parikh CR. Amino-Terminal Pro-B-Type Natriuretic Peptide for Diagnosis and Prognosis in Patients With Renal Dysfunction: A Systematic Review and Meta-Analysis. JACC. Heart Failure 2015, 3: 977-89. [PMID: 26671676](#), [PMCID: PMC4683413](#), [DOI: 10.1016/j.jchf.2015.07.014](#).
4. **Moledina DG**, Parikh CR, Garg AX, Thiessen-Philbrook H, Koyner JL, Patel UD, Devarajan P, Shlipak MG, Coca SG. Association of Perioperative Plasma Neutrophil Gelatinase-Associated Lipocalin Levels with 3-Year Mortality after Cardiac Surgery: A Prospective Observational Cohort Study. PloS

- One 2015, 10: e0129619. [PMID: 26053382](#), [PMCID: PMC4460181](#), [DOI: 10.1371/journal.pone.0129619](#).
5. Parikh CR, **Moledina DG**, Coca SG, Thiessen-Philbrook HR, Garg AX. Application of new acute kidney injury biomarkers in human randomized controlled trials. *Kidney International* 2016, 89: 1372-9. [PMID: 27165835](#), [PMCID: PMC4869991](#), [DOI: 10.1016/j.kint.2016.02.027](#).
 6. **Moledina DG**, Hall IE, Thiessen-Philbrook H, Reese PP, Weng FL, Schröppel B, Doshi MD, Wilson FP, Coca SG, Parikh CR. Performance of Serum Creatinine and Kidney Injury Biomarkers for Diagnosing Histologic Acute Tubular Injury. *American Journal Of Kidney Diseases : The Official Journal Of The National Kidney Foundation* 2017, 70: 807-816. [PMID: 28844586](#), [PMCID: PMC5701867](#), [DOI: 10.1053/j.ajkd.2017.06.031](#).
 7. Coca SG, Nadkarni GN, Huang Y, **Moledina DG**, Rao V, Zhang J, Ferket B, Crowley ST, Fried LF, Parikh CR. Plasma Biomarkers and Kidney Function Decline in Early and Established Diabetic Kidney Disease. *Journal Of The American Society Of Nephrology : JASN* 2017, 28: 2786-2793. [PMID: 28476763](#), [PMCID: PMC5576932](#), [DOI: 10.1681/ASN.2016101101](#).
 8. **Moledina DG**, Isguven S, McArthur E, Thiessen-Philbrook H, Garg AX, Shlipak M, Whitlock R, Kavsak PA, Coca SG, Parikh CR. Plasma Monocyte Chemotactic Protein-1 Is Associated With Acute Kidney Injury and Death After Cardiac Operations. *The Annals Of Thoracic Surgery* 2017, 104: 613-620. [PMID: 28223055](#), [PMCID: PMC5588689](#), [DOI: 10.1016/j.athoracsur.2016.11.036](#).
 9. **Moledina DG**, Cheung B, Kukova L, Luciano RL, Peixoto AJ, Wilson FP, Alfano S, Parikh CR. A Survey of Patient Attitudes Toward Participation in Biopsy-Based Kidney Research. *Kidney International Reports* 2018, 3: 412-416. [PMID: 29725645](#), [PMCID: PMC5932306](#), [DOI: 10.1016/j.ekir.2017.11.008](#).
 10. **Moledina DG**, Luciano RL, Kukova L, Chan L, Saha A, Nadkarni G, Alfano S, Wilson FP, Perazella MA, Parikh CR. Kidney Biopsy-Related Complications in Hospitalized Patients with Acute Kidney Disease. *Clinical Journal Of The American Society Of Nephrology : CJASN* 2018, 13: 1633-1640. [PMID: 30348813](#), [PMCID: PMC6237071](#), [DOI: 10.2215/CJN.04910418](#).
 11. **Moledina DG**, Wilson FP, Pober JS, Perazella MA, Singh N, Luciano RL, Obeid W, Lin H, Kuperman M, Moeckel GW, Kashgarian M, Cantley LG, Parikh CR. Urine TNF- α and IL-9 for clinical diagnosis of acute interstitial nephritis. *JCI Insight* 2019, 4 [PMID: 31092735](#), [PMCID: PMC6542610](#), [DOI: 10.1172/jci.insight.127456](#).
 12. Mansour SG, Zhang WR, **Moledina D**, Coca SG, Jia Y, Thiessen-Philbrook H, McArthur E, Inoue K, Koyner JL, Shlipak MG, Wilson FP, Garg AX, Ishibe S, Parikh CR. The Association of Angiogenesis Markers With Acute Kidney Injury and Mortality After Cardiac Surgery. *American Journal Of Kidney Diseases : The Official Journal Of The National Kidney Foundation* 2019, 74: 36-46. [PMID: 30955944](#), [PMCID: PMC6591032](#), [DOI: 10.1053/j.ajkd.2019.01.028](#).
 13. **Moledina DG**, Mansour SG, Jia Y, Obeid W, Thiessen-Philbrook H, Koyner JL, McArthur E, Garg AX, Wilson FP, Shlipak MG, Coca SG, Parikh CR. Association of T Cell-Derived Inflammatory Cytokines With Acute Kidney Injury and Mortality After Cardiac Surgery. *Kidney International Reports* 2019, 4: 1689-1697. [PMID: 31844805](#), [PMCID: PMC6895592](#), [DOI: 10.1016/j.ekir.2019.09.003](#).
 14. Patel DM, Thiessen-Philbrook H, Brown JR, McArthur E, **Moledina DG**, Mansour SG, Shlipak MG, Koyner JL, Kavsak P, Whitlock RP, Everett AD, Malenka DJ, Garg AX, Coca SG, Parikh CR. Association of plasma-soluble ST2 and galectin-3 with cardiovascular events and mortality following cardiac surgery. *American Heart Journal* 2020, 220: 253-263. [PMID: 31911262](#), [PMCID: PMC7008086](#), [DOI: 10.1016/j.ahj.2019.11.014](#).

15. Bhatraju PK, Zelnick LR, Chinchilli VM, **Moledina DG**, Coca SG, Parikh CR, Garg AX, Hsu CY, Go AS, Liu KD, Ikizler TA, Siew ED, Kaufman JS, Kimmel PL, Himmelfarb J, Wurfel MM. Association Between Early Recovery of Kidney Function After Acute Kidney Injury and Long-term Clinical Outcomes. *JAMA Network Open* 2020, 3: e202682. [PMID: 32282046](#), [PMCID: PMC7154800](#), [DOI: 10.1001/jamanetworkopen.2020.2682](#).
16. Sandokji I, Yamamoto Y, Biswas A, Arora T, Ugwuowo U, Simonov M, Saran I, Martin M, Testani JM, Mansour S, **Moledina DG**, Greenberg JH, Wilson FP. A Time-Updated, Parsimonious Model to Predict AKI in Hospitalized Children. *Journal Of The American Society Of Nephrology : JASN* 2020, 31: 1348-1357. [PMID: 32381598](#), [PMCID: PMC7269342](#), [DOI: 10.1681/ASN.2019070745](#).
17. Ugwuowo U, Yamamoto Y, Arora T, Saran I, Partridge C, Biswas A, Martin M, **Moledina DG**, Greenberg JH, Simonov M, Mansour SG, Vela R, Testani JM, Rao V, Rentfro K, Obeid W, Parikh CR, Wilson FP. Real-Time Prediction of Acute Kidney Injury in Hospitalized Adults: Implementation and Proof of Concept. *American Journal Of Kidney Diseases : The Official Journal Of The National Kidney Foundation* 2020, 76: 806-814.e1. [PMID: 32505812](#), [PMCID: PMC8667815](#), [DOI: 10.1053/j.ajkd.2020.05.003](#).
18. Tian X, Inoue K, Zhang Y, Wang Y, Sperati CJ, Pedigo CE, Zhao T, Yan M, Groener M, **Moledina DG**, Ebenezer K, Li W, Zhang Z, Liebermann DA, Greene L, Greer P, Parikh CR, Ishibe S. Inhibiting calpain 1 and 2 in cyclin G associated kinase-knockout mice mitigates podocyte injury. *JCI Insight* 2020, 5 [PMID: 33208557](#), [PMCID: PMC7710277](#), [DOI: 10.1172/jci.insight.142740](#).
19. Ghazi L, Simonov M, Mansour S, **Moledina D**, Greenberg J, Yamamoto Y, Biswas A, Wilson FP. Predicting patients with false negative SARS-CoV-2 testing at hospital admission: A retrospective multi-center study. *MedRxiv : The Preprint Server For Health Sciences* 2020 [PMID: 33300016](#), [PMCID: PMC7724687](#), [DOI: 10.1101/2020.11.30.20241414](#).
20. Menez S, **Moledina DG**, Garg AX, Thiessen-Philbrook H, McArthur E, Jia Y, Liu C, Obeid W, Mansour SG, Koyner JL, Shlipak MG, Wilson FP, Coca SG, Parikh CR. Results from the TRIBE-AKI Study found associations between post-operative blood biomarkers and risk of chronic kidney disease after cardiac surgery. *Kidney International* 2021, 99: 716-724. [PMID: 32721447](#), [PMCID: PMC8077034](#), [DOI: 10.1016/j.kint.2020.06.037](#).
21. **Moledina DG**, Belliveau O, Yamamoto Y, Arora T, Carey KA, Churpek M, Martin M, Partridge CM, Mansour SG, Parikh CR, Koyner JL, Wilson FP. Variation in Best Practice Measures in Patients With Severe Hospital-Acquired Acute Kidney Injury: A Multicenter Study. *American Journal Of Kidney Diseases : The Official Journal Of The National Kidney Foundation* 2021, 77: 547-549. [PMID: 33075389](#), [PMCID: PMC8672301](#), [DOI: 10.1053/j.ajkd.2020.08.013](#).
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23. **Moledina DG**, Simonov M, Yamamoto Y, Alausa J, Arora T, Biswas A, Cantley LG, Ghazi L, Greenberg JH, Hinchcliff M, Huang C, Mansour SG, Martin M, Peixoto A, Schulz W, Subair L, Testani JM, Ugwuowo U, Young P, Wilson FP. The Association of COVID-19 With Acute Kidney Injury Independent of Severity of Illness: A Multicenter Cohort Study. *American Journal Of Kidney Diseases : The Official Journal Of The National Kidney Foundation* 2021, 77: 490-499.e1. [PMID: 33422598](#), [PMCID: PMC7791318](#), [DOI: 10.1053/j.ajkd.2020.12.007](#).

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27. Ghazi L, Simonov M, Mansour SG, **Moledina DG**, Greenberg JH, Yamamoto Y, Biswas A, Wilson FP. Predicting patients with false negative SARS-CoV-2 testing at hospital admission: A retrospective multi-center study. *PloS One* 2021, 16: e0251376. [PMID: 33979353](#), [PMCID: PMC8115794](#), [DOI: 10.1371/journal.pone.0251376](#).
28. Menez S, Ju W, Menon R, **Moledina DG**, Thiessen Philbrook H, McArthur E, Jia Y, Obeid W, Mansour SG, Koyner JL, Shlipak MG, Coca SG, Garg AX, Bombback AS, Kellum JA, Kretzler M, Parikh CR. Urinary EGF and MCP-1 and risk of CKD after cardiac surgery. *JCI Insight* 2021, 6 [PMID: 33974569](#), [PMCID: PMC8262289](#), [DOI: 10.1172/jci.insight.147464](#).
29. **Moledina DG**, Eadon MT, Calderon F, Yamamoto Y, Shaw M, Perazella MA, Simonov M, Luciano R, Schwantes-An TH, Moeckel G, Kashgarian M, Kuperman M, Obeid W, Cantley LG, Parikh CR, Wilson FP. Development and external validation of a diagnostic model for biopsy-proven acute interstitial nephritis using electronic health record data. *Nephrology, Dialysis, Transplantation : Official Publication Of The European Dialysis And Transplant Association - European Renal Association* 2021 [PMID: 34865148](#), [DOI: 10.1093/ndt/gfab346](#).
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