Sickle cell disease: renal manifestations and mechanism

Nature Reviews Nephrology 11, 161-171 DOI: 10.1038/nrneph.2015.8

Citation Report

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 2015 Clinical trials update in sickle cell anemia. American Journal of Hematology, 2015, 90, 934-950. | 4.1 | 34 |
| 2 | Role of innate immunity-triggered pathways in the pathogenesis of Sickle Cell Disease: a meta-analysis of gene expression studies. Scientific Reports, 2015, 5, 17822. | 3.3 | 48 |
| 3 | Changes in Conjunctival Hemodynamics Predict Albuminuria in Sickle Cell Nephropathy. American Journal of Nephrology, 2015, 41, 487-493. | 3.1 | 12 |
| 4 | Persistent proteinuria among sickle cell anaemia children in steady state in Ilorin, Nigeria. International Journal of Medicine and Medical Sciences, 2016, 8, 30-35. | 0.3 | 2 |
| 5 | Phase 1 Study of a Sulforaphane-Containing Broccoli Sprout Homogenate for Sickle Cell Disease. PLoS ONE, 2016, 11, e0152895. | 2.5 | 51 |
| 6 | Endothelin-1 and the kidney. Current Opinion in Nephrology and Hypertension, 2016, 25, 35-41. | 2.0 | 60 |
| 7 | Inflammatory and oxidative stress phenotypes in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2016, 62, 13-21. | 1.4 | 21 |
| 8 | Interventions for chronic kidney disease in people with sickle cell disease. , 2016, 2016, . | | 4 |
| 9 | Genetic Factors Modifying Sickle Cell Disease Severity. , 2016, , 371-397. | | 3 |
| 10 | Endothelin receptor antagonists in sickle cell disease: A promising new therapeutic approach. Life Sciences, 2016, 159, 15-19. | 4.3 | 13 |
| 11 | Sickle Cell Anemia. , 2016, , . | | 7 |
| 12 | Reversible kidney iron accumulation in a patient with sickle cell disease treated with hydroxyurea. American Journal of Hematology, 2016, 91, 1283-1284. | 4.1 | 2 |
| 13 | Patterns of opioid use in sickle cell disease. American Journal of Hematology, 2016, 91, 1102-1106. | 4.1 | 24 |
| 14 | Evolution of sickle cell disease from a lifeâ€ŧhreatening disease of children to a chronic disease of adults: The last 40 years. American Journal of Hematology, 2016, 91, 5-14. | 4.1 | 126 |
| 15 | Impact of a Clinical Pharmacy Service on the Management of Patients in a Sickle Cell Disease Outpatient Center. Pharmacotherapy, 2016, 36, 1166-1172. | 2.6 | 10 |
| 16 | Balanced Translocations Disrupting SMARCB1 Are Hallmark Recurrent Genetic Alterations in Renal Medullary Carcinomas. European Urology, 2016, 69, 1055-1061. | 1.9 | 96 |
| 18 | Therapeutic potential of endothelin receptor antagonism in kidney disease. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R388-R397. | 1.8 | 18 |
| 19 | Medullary Microvascular Thrombosis and Injury in Sickle Hemoglobin C Disease. Journal of the American Society of Nephrology: JASN, 2016, 27, 1300-1304. | 6.1 | 4 |

ITATION REDO

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 20 | Plasma heme-induced renal toxicity is related to a capillary rarefaction. Scientific Reports, 2017, 7, 40156. | 3.3 | 10 |
| 21 | Sickle cell disease. Lancet, The, 2017, 390, 311-323. | 13.7 | 639 |
| 22 | Normal saline is associated with increased sickle red cell stiffness and prolonged transit times in a microfluidic model of the capillary system. Microcirculation, 2017, 24, e12353. | 1.8 | 23 |
| 23 | Improved Fetal Hemoglobin With mTOR Inhibitor–Based Immunosuppression in a Kidney Transplant Recipient With Sickle Cell Disease. American Journal of Transplantation, 2017, 17, 2212-2214. | 4.7 | 24 |
| 24 | Endothelin-A Receptor Antagonism Retards the Progression of Murine Sickle Cell Nephropathy. Journal of the American Society of Nephrology: JASN, 2017, 28, 2253-2255. | 6.1 | 2 |
| 25 | Treating sickle cell disease by targeting HbS polymerization. Blood, 2017, 129, 2719-2726. | 1.4 | 170 |
| 26 | Sickle cell disease: a natural model of acute and chronic pain. Pain, 2017, 158, S79-S84. | 4.2 | 41 |
| 27 | Acute kidney injury in children with sickle cell disease—compounding a chronic problem. Pediatric Nephrology, 2017, 32, 1287-1291. | 1.7 | 21 |
| 28 | Long-Term Endothelin-A Receptor Antagonism Provides Robust Renal Protection in Humanized Sickle Cell Disease Mice. Journal of the American Society of Nephrology: JASN, 2017, 28, 2443-2458. | 6.1 | 47 |
| 29 | Hemoglobin inhibits albumin uptake by proximal tubule cells: implications for sickle cell disease. American Journal of Physiology - Cell Physiology, 2017, 312, C733-C740. | 4.6 | 25 |
| 30 | Nutcracker Syndrome and Sickle Cell Trait: A Perfect Storm for Hematuria. Journal of General Internal Medicine, 2017, 32, 585-588. | 2.6 | 5 |
| 31 | Extracellular fluid tonicity impacts sickle red blood cell deformability and adhesion. Blood, 2017, 130, 2654-2663. | 1.4 | 47 |
| 32 | The spectrum of sickle hemoglobin-related nephropathy: from sickle cell disease to sickle trait. Expert Review of Hematology, 2017, 10, 1087-1094. | 2.2 | 41 |
| 33 | Clinical Implications of Single-Cell Microfluidic Devices for Hematological Disorders. Analytical Chemistry, 2017, 89, 11881-11892. | 6.5 | 10 |
| 34 | Renal vein stenting abates sickle cell trait mediated chronic refractory hematuria exacerbated by the Nutcracker phenomenon. Journal of Pediatric Surgery Case Reports, 2017, 26, 35-38. | 0.2 | 0 |
| 35 | Synthetic oligosaccharides can replace animal-sourced low–molecular weight heparins. Science Translational Medicine, 2017, 9, . | 12.4 | 82 |
| 36 | Interventions for chronic kidney disease in people with sickle cell disease. The Cochrane Library, 2017, 2017, CD012380. | 2.8 | 9 |
| 37 | Use of anti-inflammatory analgesics in sickle-cell disease. Journal of Clinical Pharmacy and Therapeutics, 2017, 42, 656-660. | 1.5 | 11 |

| | | CITATION REPORT | |
|----|---|-----------------|-----------|
| # | Article | IF | CITATIONS |
| 38 | AfectaciÃ ³ n glomerular en paciente con enfermedad falciforme. Nefrologia, 2017, 37, 437-439. | 0.4 | 0 |
| 39 | Glomerular involvement in patient with sickle cell disease. Nefrologia, 2017, 37, 437-439. | 0.4 | 0 |
| 40 | Increased vancomycin dosing requirements in sickle cell disease due to hyperfiltration-dependent a independent pathways. Haematologica, 2017, 102, e282-e284. | nd 3.5 | 4 |
| 42 | Spleen histology in children with sickle cell disease and hereditary spherocytosis: hints on the disease pathophysiology. Human Pathology, 2017, 60, 95-103. | 2.0 | 17 |
| 43 | Kidney Transplantation From a Donor With Sickle Cell Disease. American Journal of Transplantation 2017, 17, 569-571. | , 4.7 | 4 |
| 44 | Magnetic Resonance Imaging Assessment of Kidney Oxygenation and Perfusion During Sickle Cell Vaso-occlusive Crises. American Journal of Kidney Diseases, 2017, 69, 51-59. | 1.9 | 13 |
| 45 | Chronic organ failure in adult sickle cell disease. Hematology American Society of Hematology Education Program, 2017, 2017, 435-439. | 2.5 | 38 |
| 46 | Sickle Cell Trait and Renal Function in Hispanics in the United States: the Northern Manhattan Stuc Ethnicity and Disease, 2017, 27, 11. | y. 2.3 | 10 |
| 47 | Undetectable haptoglobin is associated with major adverse kidney events in critically ill burn patients. Critical Care, 2017, 21, 245. | 5.8 | 11 |
| 48 | Increased prevalence of renal cysts in patients with sickle cell disease. BMC Nephrology, 2017, 18, | 298. 1.8 | 8 |
| 49 | Prevalence and determinants of microalbuminuria in children suffering from sickle cell anemia in steady state. CKJ: Clinical Kidney Journal, 2017, 10, 479-486. | 2.9 | 14 |
| 50 | Sickle cell disease and albuminuria: recent advances in our understanding of sickle cell nephropathy CKJ: Clinical Kidney Journal, 2017, 10, 475-478. | /. 2.9 | 19 |
| 51 | Inflammation in sickle cell disease. Clinical Hemorheology and Microcirculation, 2018, 68, 263-299 | . 1.7 | 148 |
| 52 | Vascular complications of sickle cell disease. Clinical Hemorheology and Microcirculation, 2018, 68 205-221. | ' 1.7 | 17 |
| 53 | Progressive glomerular and tubular damage in sickle cell trait and sickle cell anemia mouse models. Translational Research, 2018, 197, 1-11. | 5.0 | 15 |
| 54 | Sickle cell nephropathy: an update on pathophysiology, diagnosis, and treatment. International Urology and Nephrology, 2018, 50, 1075-1083. | 1.4 | 30 |
| 56 | RON kinase inhibition reduces renal endothelial injury in sickle cell disease mice. Haematologica, 20 103, 787-798. | 118, 3.5 | 12 |
| 57 | Moderate exercise training decreases inflammation in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2018, 69, 45-52. | 1.4 | 16 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 58 | Current, Emerging, and Anticipated Therapies for Sickle Cell Disease. Mayo Clinic Proceedings, 2018, 93, 1703-1706. | 3.0 | 0 |
| 59 | Sickle Cell Disease Clinical Trials and Phenotypes. Journal of Tropical Diseases, 2018, 06, 259. | 0.1 | 1 |
| 60 | The sickle cell trait and end stage renal disease in Salvador, Brazil. PLoS ONE, 2018, 13, e0209036. | 2.5 | 8 |
| 61 | Evaluating Microalbuminuria in Children with Sickle Cell Disease: Review of the Literature. Journal for Nurse Practitioners, 2018, 14, 739-744. | 0.8 | 1 |
| 62 | Sickle cell disease: a case report of renal amyloidosis. BMC Nephrology, 2018, 19, 256. | 1.8 | 4 |
| 63 | Sickle Cell Nephropathy: Current Understanding of the Presentation, Diagnostic and Therapeutic Challenges. , 2018, , . | | 3 |
| 64 | Management of Hematuria in Children. Current Treatment Options in Pediatrics, 2018, 4, 333-349. | 0.6 | 11 |
| 65 | Nontraumatic Exertional Rhabdomyolysis Leading to Acute Kidney Injury in a Sickle Trait Positive Individual on Renal Biopsy. Case Reports in Nephrology, 2018, 2018, 1-5. | 0.4 | 2 |
| 66 | Posterior reversible encephalopathy syndrome secondary to asymptomatic poststreptococcal glomerulonephritis in a child with sickle cell anemia: a case report. Journal of Medical Case Reports, 2018, 12, 24. | 0.8 | 4 |
| 67 | Enuresis in children and adolescents with sickle cell anaemia is more frequent and substantially different from the general population. PLoS ONE, 2018, 13, e0201860. | 2.5 | 9 |
| 68 | Clinical and metabolomic risk factors associated with rapid renal function decline in sickle cell disease. American Journal of Hematology, 2018, 93, 1451-1460. | 4.1 | 28 |
| 69 | Hyporeninemic Hypoaldosteronism. , 2018, , 703-712. | | 1 |
| 70 | Sickle cell nephropathy. , 2019, , 336-341. | | 1 |
| 71 | Combined hydroxyurea and ET _A receptor blockade reduces renal injury in the humanized sickle cell mouse. Acta Physiologica, 2019, 225, e13178. | 3.8 | 9 |
| 72 | Low urinary levels of angiotensinâ€converting enzyme 2 may contribute to albuminuria in children with sickle cell anaemia. British Journal of Haematology, 2019, 185, 190-193. | 2.5 | 10 |
| 73 | Impact of ET-1 and sex in glomerular hyperfiltration in humanized sickle cell mice. Clinical Science, 2019, 133, 1475-1486. | 4.3 | 13 |
| 74 | Receptor for Advanced Glycation End Products Antagonism Blunts Kidney Damage in Transgenic Townes Sickle Mice. Frontiers in Physiology, 2019, 10, 880. | 2.8 | 8 |
| 75 | Survival and specific outcome of sickle cell disease patients after renal transplantation. British Journal of Haematology, 2019, 187, 676-680. | 2.5 | 15 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 76 | Non-invasive urinary biomarkers of renal function in sickle cell disease: an overview. Annals of Hematology, 2019, 98, 2653-2660. | 1.8 | 8 |
| 77 | Mechanisms of haemolysis-induced kidney injury. Nature Reviews Nephrology, 2019, 15, 671-692. | 9.6 | 97 |
| 78 | Hemoglobin alters vitamin carrier uptake and vitamin D metabolism in proximal tubule cells: implications for sickle cell disease. American Journal of Physiology - Cell Physiology, 2019, 317, C993-C1000. | 4.6 | 8 |
| 79 | Why, Who, When, and How? Rationale for Considering Allogeneic Stem Cell Transplantation in Children with Sickle Cell Disease. Journal of Clinical Medicine, 2019, 8, 1523. | 2.4 | 9 |
| 80 | Prevalence and factors associated with renal dysfunction among children with sickle cell disease attending the sickle cell disease clinic at a tertiary hospital in Northwestern Tanzania. PLoS ONE, 2019, 14, e0218024. | 2.5 | 8 |
| 81 | Epidemiological, clinical, and severity characterization of sickle cell disease in a population from the Brazilian Amazon. Hematology/ Oncology and Stem Cell Therapy, 2019, 12, 204-210. | 0.9 | 6 |
| 82 | A Phase 3 Randomized Trial of Voxelotor in Sickle Cell Disease. New England Journal of Medicine, 2019, 381, 509-519. | 27.0 | 401 |
| 83 | Glomerular Filtration: Too Much of a Good Thing?. American Journal of Kidney Diseases, 2019, 73, 756-758. | 1.9 | 0 |
| 84 | The carrier state for sickle cell disease is not completely harmless. Haematologica, 2019, 104, 1106-1111. | 3.5 | 38 |
| 85 | Sickle cell disease: Clinical presentation and management of a global health challenge. Blood Reviews, 2019, 37, 100580. | 5.7 | 42 |
| 86 | Sickle cell disease upâ€regulates vasopressin, aquaporin 2, urea transporter A1, Naâ€Kâ€Cl cotransporter 2, and epithelial Na channels in the mouse kidney medulla despite compromising urinary concentration ability. Physiological Reports, 2019, 7, e14066. | 1.7 | 6 |
| 87 | Normal saline bolus use in pediatric emergency departments is associated with poorer pain control in children with sickle cell anemia and vasoã€occlusive pain. American Journal of Hematology, 2019, 94, 689-696. | 4.1 | 17 |
| 88 | Sickle Cell Disease. Hematology/Oncology Clinics of North America, 2019, 33, 355-371. | 2.2 | 28 |
| 89 | Progressive Decline in Estimated GFR in Patients With Sickle Cell Disease: An Observational Cohort Study. American Journal of Kidney Diseases, 2019, 74, 47-55. | 1.9 | 37 |
| 90 | Sickle cell disease nephropathy: an update on risk factors and potential biomarkers in pediatric patients. Biomarkers in Medicine, 2019, 13, 965-985. | 1.4 | 13 |
| 91 | Hyperfiltration predicts long-term renal outcomes in humanized sickle cell mice. Blood Advances, 2019, 3, 1460-1475. | 5.2 | 23 |
| 92 | Elimination of the fibrinogen integrin αMβ2-binding motif improves renal pathology in mice with sickle cell anemia. Blood Advances, 2019, 3, 1519-1532. | 5.2 | 16 |
| 93 | Technetium-99m-dimercaptosuccinic acid renal scintigraphy and single photon emission computed tomography in patients with sickle cell disease. Nuclear Medicine Communications, 2019, 40, 1158-1165. | 1.1 | 2 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 94 | Renal abnormalities among children with sickle cell conditions in highly resource-limited setting in Ghana. PLoS ONE, 2019, 14, e0225310. | 2.5 | 7 |
| 95 | Impact of Sickle Cell Anemia on Inpatient Morbidity After Spinal Fusion. Clinical Spine Surgery, 2019, 32, 439-443. | 1.3 | 3 |
| 96 | CE: Understanding the Complications of Sickle Cell Disease. American Journal of Nursing, 2019, 119, 26-35. | 0.4 | 32 |
| 97 | Cardiovascular Outcomes in African Americans with Sickle Cell Trait and Chronic Kidney Disease. American Journal of Nephrology, 2019, 49, 93-102. | 3.1 | 5 |
| 98 | Sickle Cell Nephropathy in the Pediatric Population. Blood Purification, 2019, 47, 205-213. | 1.8 | 20 |
| 99 | Emerging pharmacotherapeutic approaches for the management of sickle cell disease. Expert Opinion on Pharmacotherapy, 2019, 20, 173-186. | 1.8 | 23 |
| 100 | VEGF Promoter Region 18-bp Insertion-Deletion Polymorphism in Sickle Cell Disease Patients with Microalbuminuria: A Pilot Study. Indian Journal of Hematology and Blood Transfusion, 2019, 35, 278-283. | 0.6 | 1 |
| 101 | Black Race and Body Mass Index Are Risk Factors for Rhabdomyolysis and Acute Kidney Injury in Trauma. Journal of Investigative Surgery, 2020, 33, 283-290. | 1.3 | 15 |
| 102 | A novel, highly potent and selective phosphodiesterase-9 inhibitor for the treatment of sickle cell disease. Haematologica, 2020, 105, 623-631. | 3.5 | 39 |
| 103 | Evidence for interactions between inflammatory markers and renin-angiotensin system molecules in the occurrence of albuminuria in children with sickle cell anemia. Cytokine, 2020, 125, 154800. | 3.2 | 11 |
| 104 | Persistent hematuria among children with sickle cell anemia in steady state. Hematology, Transfusion and Cell Therapy, 2020, 42, 255-260. | 0.2 | 4 |
| 106 | Tubular Acidification Defect in Adults with Sickle Cell Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 16-24. | 4.5 | 13 |
| 107 | Effect of High-dose Vitamin A Supplementation in Children With Sickle Cell Disease: A Randomized, Double-blind, Dose-finding Pilot Study. Journal of Pediatric Hematology/Oncology, 2020, 42, 83-91. | 0.6 | 11 |
| 108 | Validity of International Classification of Diseases Codes for Sickle Cell Trait and Sickle Cell Disease. Journal of General Internal Medicine, 2020, 35, 1323-1324. | 2.6 | 4 |
| 109 | Methods to estimate baseline creatinine and define acute kidney injury in lean Ugandan children with severe malaria: a prospective cohort study. BMC Nephrology, 2020, 21, 417. | 1.8 | 25 |
| 110 | Kidney Transplantation With a Sickle Cell Disease Donor. Kidney International Reports, 2020, 5, 1836-1838. | 0.8 | 1 |
| 111 | Approach to Persistent Microscopic Hematuria in Children. Kidney360, 2020, 1, 1014-1020. | 2.1 | 4 |
| 112 | Novel hydration and nutritional strategies for sickle cell disease. EJHaem, 2020, 1, 230-234. | 1.0 | 2 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 113 | Stable renal function in children and adolescents with sickle cell disease after nonmyeloablative hematopoietic stem cell transplantation. Pediatric Blood and Cancer, 2020, 67, e28568. | 1.5 | 7 |
| 114 | Association between plasma and urinary orosomucoid and chronic kidney disease in adults with sickle cell disease. British Journal of Haematology, 2020, 190, e45-e48. | 2.5 | 8 |
| 115 | Are My Pediatric Patients at Increased Risk of Developing Chronic Kidney Disease?. Clinical Pediatrics, 2020, 59, 801-808. | 0.8 | 0 |
| 116 | Renal Functional Decline in Sickle Cell Disease and Trait. Journal of the American Society of Nephrology: JASN, 2020, 31, 236-238. | 6.1 | 4 |
| 117 | Kidney Function Decline among Black Patients with Sickle Cell Trait and Sickle Cell Disease: An Observational Cohort Study. Journal of the American Society of Nephrology: JASN, 2020, 31, 393-404. | 6.1 | 35 |
| 118 | Small molecule therapeutics to treat the β-globinopathies. Current Opinion in Hematology, 2020, 27, 129-140. | 2.5 | 14 |
| 119 | Advances in Sickle Cell Disease Management. Advances in Pediatrics, 2020, 67, 57-71. | 1.4 | 7 |
| 120 | Development of Algorithm for Clinical Management of Sickle Cell Bone Disease: Evidence for a Role of Vertebral Fractures in Patient Follow-up. Journal of Clinical Medicine, 2020, 9, 1601. | 2.4 | 12 |
| 121 | Leucocytosis and Asymptomatic Urinary Tract Infections in Sickle Cell Patients at a Tertiary Hospital in Zambia. Anemia, 2020, 2020, 1-5. | 1.7 | 2 |
| 122 | The Dialysis Safety Net: Who Cares for Those Without Medicare?. Journal of the American Society of Nephrology: JASN, 2020, 31, 238-240. | 6.1 | 1 |
| 124 | Sex differences in redox homeostasis in renal disease. Redox Biology, 2020, 31, 101489. | 9.0 | 17 |
| 125 | Haptoglobin Therapeutics and Compartmentalization of Cell-Free Hemoglobin Toxicity. Trends in Molecular Medicine, 2020, 26, 683-697. | 6.7 | 58 |
| 126 | Acute kidney injury in paediatric patients with sickle cell disease is associated with increased morbidity and resource utilization. British Journal of Haematology, 2020, 189, 559-565. | 2.5 | 12 |
| 127 | Atypical presentation of acute post-infectious glomerulonephritis in patients with sickle cell disease: report of two cases. BMC Nephrology, 2020, 21, 56. | 1.8 | 1 |
| 128 | Hyperuricemia is associated with a lower glomerular filtration rate in pediatric sickle cell disease patients. Pediatric Nephrology, 2020, 35, 883-889. | 1.7 | 9 |
| 129 | Progression of albuminuria in patients with sickle cell anemia: a multicenter, longitudinal study. Blood Advances, 2020, 4, 1501-1511. | 5.2 | 28 |
| 130 | Hemopexin deficiency promotes acute kidney injury in sickle cell disease. Blood, 2020, 135, 1044-1048. | 1.4 | 25 |
| 131 | Bleeding in patients with sickle cell disease: a population-based study. Blood Advances, 2020, 4, 793-802. | 5.2 | 20 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 132 | Endothelin-targeted new treatments for proteinuric and inflammatory glomerular diseases: focus on the added value to anti-renin-angiotensin system inhibition. Pediatric Nephrology, 2021, 36, 763-775. | 1.7 | 17 |
| 133 | Nociceptors protect sickle cell disease mice from vaso-occlusive episodes and chronic organ damage. Journal of Experimental Medicine, 2021, 218, . | 8.5 | 12 |
| 134 | Impact of renal function on hydroxyurea exposure in sickleâ€cell disease patients. British Journal of Clinical Pharmacology, 2021, 87, 2274-2285. | 2.4 | 2 |
| 135 | The emerging challenge of sickle cell nephropathy. Nephrology Dialysis Transplantation, 2021, 36, 779-781. | 0.7 | 2 |
| 136 | The Worst Things in Life are Free: The Role of Free Heme in Sickle Cell Disease. Frontiers in Immunology, 2020, 11, 561917. | 4.8 | 39 |
| 137 | Sickle Cell Nephropathy in Children. , 2021, , 1-15. | | 0 |
| 138 | Sickle Cell Disease and the Kidney: Pathophysiology and Novel Biomarkers. Contributions To Nephrology, 2021, 199, 114-121. | 1.1 | 3 |
| 139 | Evaluation of Glomerular Hyperfiltration and Albuminuria in Sickle Cell Disease Adolescents: Cross-Sectional Retrospective Study. Open Journal of Nephrology, 2021, 11, 321-334. | 0.1 | 0 |
| 140 | Glomerular hyperfiltration in Yemeni children with sickle cell disease. Journal of Clinical Nephrology, 2021, 5, 001-007. | 0.1 | 0 |
| 141 | Evaluation of Genetic Kidney Disease in Living Donor Candidates. , 2021, , 189-217. | | 2 |
| 142 | Systemic T Cell Subsets and Cytokines in Patients With Homozygous Sickle Cell Disease and Asymptomatic Urinary Tract Infections in Togo. Ochsner Journal, 2021, 21, 163-172. | 1.1 | 0 |
| 143 | Heme Oxygenase 1: A Defensive Mediator in Kidney Diseases. International Journal of Molecular Sciences, 2021, 22, 2009. | 4.1 | 19 |
| 144 | Chronic organ injuries in children with sickle cell disease. Haematologica, 2021, 106, 1535-1544. | 3.5 | 8 |
| 145 | Investigations of Kidney Dysfunction-Related Gene Variants in Sickle Cell Disease Patients in Cameroon (Sub-Saharan Africa). Frontiers in Genetics, 2021, 12, 595702. | 2.3 | 4 |
| 146 | Acute Kidney Injury among Black Patients with Sickle Cell Trait and Sickle Cell Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 348-355. | 4.5 | 10 |
| 147 | Neutrophil gelatinase–associated lipocalin as a biomarker of nephropathy in sickle cell disease. Annals of Hematology, 2021, 100, 1401-1409. | 1.8 | 3 |
| 148 | Sickle cell vaso-occlusion: The dialectic between red cells and white cells. Experimental Biology and Medicine, 2021, 246, 1458-1472. | 2.4 | 8 |
| 149 | Screening for Cognitive Dysfunction Using the Rowland Universal Dementia Assessment Scale in Adults With Sickle Cell Disease. JAMA Network Open, 2021, 4, e217039. | 5.9 | 7 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 150 | Olinciguat, a stimulator of soluble guanylyl cyclase, attenuates inflammation, vasoâ€occlusion and nephropathy in mouse models of sickle cell disease. British Journal of Pharmacology, 2021, 178, 3463-3475. | 5.4 | 12 |
| 151 | Haematuria in children. British Journal of Hospital Medicine (London, England: 2005), 2021, 82, 1-8. | 0.5 | 0 |
| 152 | Sickle cell nephropathy: insights into the pediatric population. Pediatric Nephrology, 2022, 37, 1231-1243. | 1.7 | 5 |
| 153 | Impact of preâ€eclampsia on renal outcome in sickle cell disease patients. British Journal of Haematology, 2021, 194, 1053-1062. | 2.5 | 4 |
| 154 | Hemodynamic and biological correlates of glomerular hyperfiltration in sickle cell patients before and under renin–angiotensin system blocker. Scientific Reports, 2021, 11, 11682. | 3.3 | 5 |
| 155 | Assessment of Renal Function Status in Steady-State Sickle Cell Anaemic Children Using Urine Human Neutrophil Gelatinase-Associated Lipocalin and Albumin:Creatinine Ratio. Medical Principles and Practice, 2021, 30, 557-562. | 2.4 | 4 |
| 156 | From kidney injury to kidney cancer. Kidney International, 2021, 100, 55-66. | 5.2 | 22 |
| 157 | Liver transplantation for sickle cell disease: a systematic review. Hpb, 2021, 23, 994-999. | 0.3 | 2 |
| 159 | Heme Burden and Ensuing Mechanisms That Protect the Kidney: Insights from Bench and Bedside. International Journal of Molecular Sciences, 2021, 22, 8174. | 4.1 | 3 |
| 160 | Do We Store Packed Red Blood Cells under "Quasi-Diabetic―Conditions?. Biomolecules, 2021, 11, 992. | 4.0 | 6 |
| 161 | Outcomes of Kidney Transplant Recipients with Sickle Cell Disease: An Analysis of the 2000–2019 UNOS/OPTN Database. Journal of Clinical Medicine, 2021, 10, 3063. | 2.4 | 7 |
| 162 | Effects of reninâ€angiotensin blockade and APOL1 on kidney function in sickle cell disease. EJHaem, 2021, 2, 483-484. | 1.0 | 2 |
| 163 | Increased hemoglobin affinity for oxygen with GBT1118 improves hypoxia tolerance in sickle cell mice. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H400-H411. | 3.2 | 7 |
| 164 | Novel kidney injury biomarkers in a large cohort of children with sickle cell anemia. Biomarkers in Medicine, 2021, 15, 999-1009. | 1.4 | 1 |
| 165 | Levels of angiotensin-converting enzyme 1 and 2 in serum and urine of children with Sickle Cell Disease. Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia, 2021, 43, 303-310. | 0.9 | 0 |
| 166 | Reliability of different estimated glomerular filtration rate as measures of renal function in children with sickle cell disease. Blood Cells, Molecules, and Diseases, 2021, 91, 102590. | 1.4 | 1 |
| 168 | Variations and characteristics of the various clinical phenotypes in a cohort of Nigerian sickle cell patients. Hematology, 2021, 26, 684-690. | 1.5 | 2 |
| 169 | Inflammation and Sickle Cell Anemia. , 2016, , 177-211. | | 4 |
| | | | |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 170 | Intravascular hemolysis activates complement via cell-free heme and heme-loaded microvesicles. JCI Insight, 2018, 3, . | 5.0 | 135 |
| 171 | The multifaceted role of ischemia/reperfusion in sickle cell anemia. Journal of Clinical Investigation, 2020, 130, 1062-1072. | 8.2 | 48 |
| 172 | Urinary Bladder Dysfunction in Transgenic Sickle Cell Disease Mice. PLoS ONE, 2015, 10, e0133996. | 2.5 | 12 |
| 173 | Hemolysis induced by Left Ventricular Assist Device is associated with proximal tubulopathy. PLoS ONE, 2020, 15, e0242931. | 2.5 | 5 |
| 174 | New insights into the role of heme oxygenase-1 in acute kidney injury. Kidney Research and Clinical Practice, 2020, 39, 387-401. | 2.2 | 28 |
| 175 | Urinary Tract Infection in Febrile Children with Sickle Cell Disease Who Present to the Emergency Room with Fever. Journal of Clinical Medicine, 2020, 9, 1531. | 2.4 | 3 |
| 176 | Early functional and metabolic disorders in children with type I diabetes mellitus and diabetic nephropathy. Pediatric Endocrinology, Diabetes and Metabolism, 2021, 27, 170-177. | 0.7 | 5 |
| 177 | Prevalence of sickle cell trait and its association to renal dysfunction among blood donors at university of medical sciences teaching hospital, Ondo, Nigeria. African Health Sciences, 2021, 21, 1237-1242. | 0.7 | 0 |
| 178 | Sickle cell nephropathy. Clinical manifestations and new mechanisms involved in kidney injury. Nefrologia, 2021, , . | 0.4 | 0 |
| 180 | Blood Pressure Patterns and Factors Associated with Relative Hypertension among Steady State Sickle Cell Disease Patients in Kinshasa, Democratic Republic of the Congo: A Cross-Sectional Study. World Journal of Cardiovascular Diseases, 2018, 08, 217-228. | 0.2 | 0 |
| 181 | Renal Medullary Carcinoma. , 2018, , 676-677. | | 0 |
| 182 | Prevalence and correlates of microalbuminuria in Yemeni children with sickle cell disease. Saudi Journal of Kidney Diseases and Transplantation: an Official Publication of the Saudi Center for Organ Transplantation, Saudi Arabia, 2019, 30, 832. | 0.3 | 2 |
| 183 | Sickle Cell Anemia: A review on the most severe form of Sickle Cell Disease. Revista Bionatura, 2019, 02, | 0.4 | 0 |
| 184 | Sickle Cell Nephropathy. , 2019, , 359-366. | | 0 |
| 186 | Pulmonary Edema in Hb S/β+ thalassemia Patient Leading to Acute Chest Syndrome. A Case Report and Review of Literature. American Journal of Medical Case Reports, 2020, 8, 332-334. | 0.2 | 0 |
| 187 | Sickle cell disease and the kidney. , 2020, , 5032-5034. | | 0 |
| 188 | Relationship between microalbuminuria and glomerular filtration rate in children with sickle cell anemia in steady state. Sahel Medical Journal, 2020, 23, 147. | 0.1 | 1 |
| 189 | Spectre des atteintes rénales. , 2020, , 125-134. | | 0 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 190 | Does Renal Function Deteriorate in Individuals With Sickle Cell Trait and Sickle Cell Disease? Now We Know. , 2020, 17, . | | 0 |
| 191 | Ambulatory Hypertension in Pediatric Patients With Sickle Cell Disease and Its Association With End-Organ Damage. Cureus, 2020, 12, e11707. | 0.5 | 4 |
| 192 | Pulmonary Edema in Hb S/β+ thalassemia Patient Leading to Acute Chest Syndrome. A Case Report and Review of Literature. American Journal of Medical Case Reports, 2020, 8, 332-334. | 0.2 | 0 |
| 193 | Impact of oral -arginine supplementation on blood pressure dynamics in children with severe sickle cell vaso-occlusive crisis. American Journal of Cardiovascular Disease, 2021, 11, 136-147. | 0.5 | 1 |
| 194 | Sickle cell nephropathy: A review of novel biomarkers and their potential roles in early detection of renal involvement. World Journal of Clinical Pediatrics, 2022, 11, 14-26. | 2.1 | 4 |
| 195 | The pharmacokinetic and safety profile of single-dose deferiprone in subjects with sickle cell disease. Annals of Hematology, 2022, 101, 533-539. | 1.8 | 7 |
| 196 | Pharmacodynamics of rocuronium in sickle cell patients. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101011. | 1.4 | 0 |
| 197 | Hyperkalemia and Metabolic Acidosis Occur at Higher Estimated Glomerular Filtration Rates in Sickle Cell Disease. Kidney360, 0, , 10.34067/KID.0006802021. | 2.1 | 3 |
| 198 | Assessment of Biochemical Indices in Haemolytic Crisis with Special Reference to Sickle Cell Anaemia. Journal of Evolution of Medical and Dental Sciences, 2022, 11, 17-20. | 0.1 | 0 |
| 199 | Voxelotor and albuminuria in adults with sickle cell anaemia. British Journal of Haematology, 2022, , . | 2.5 | 5 |
| 200 | Kidney Injuries in Sickle Cell Disease. , 0, , . | | 0 |
| 201 | Sickle cell disease as an accelerated aging syndrome. Experimental Biology and Medicine, 2022, 247, 368-374. | 2.4 | 10 |
| 202 | The nephropathy of sickle cell trait and sickle cell disease. Nature Reviews Nephrology, 2022, 18, 361-377. | 9.6 | 26 |
| 203 | The Role of Ferric Nitrilotriacetate in Renal Carcinogenesis and Cell Death: From Animal Models to Clinical Implications. Cancers, 2022, 14, 1495. | 3.7 | 9 |
| 204 | Outcomes of kidney donors with sickle cell trait: A preliminary analysis. Clinical Transplantation, 2022, , e14626. | 1.6 | 1 |
| 205 | Prevalence and Factors Associated with Acute Kidney Injury in Sub-Saharan African Adults: A Review of the Current Literature. International Journal of Nephrology, 2022, 2022, 1-12. | 1.3 | 6 |
| 206 | Acute kidney injury in hospitalized children with sickle cell anemia. BMC Nephrology, 2022, 23, 110. | 1.8 | 8 |
| 207 | Considerations for the future: current and future treatment paradigms with mineralocorticoid receptor antagonists—unmet needs and underserved patient cohorts. Kidney International Supplements, 2022, 12, 69-75. | 14.2 | 7 |

| | CITATION RE | PORT | |
|-----|---|------|-----------|
| # | Article | IF | CITATIONS |
| 208 | Renal Cell Cancer and Chronic Kidney Disease. Advances in Chronic Kidney Disease, 2021, 28, 460-468.e1. | 1.4 | 19 |
| 209 | Endothelin A receptor antagonist attenuated renal iron accumulation in iron overload heme oxygenase-1 knockout mice. Canadian Journal of Physiology and Pharmacology, 2022, , . | 1.4 | 1 |
| 210 | Evidence of protective effects of recombinant ADAMTS13 in a humanized model of sickle cell disease. Haematologica, 2022, 107, 2650-2660. | 3.5 | 8 |
| 211 | Modelâ€informed drug development of voxelotor in sickle cell disease: Population pharmacokinetics in whole blood and plasma. CPT: Pharmacometrics and Systems Pharmacology, 2022, , . | 2.5 | 3 |
| 212 | Modelâ€informed drug development of voxelotor in sickle cell disease: Exposureâ€response analysis to support dosing and confirm mechanism of action. CPT: Pharmacometrics and Systems Pharmacology, 2022, 11, 698-710. | 2.5 | 3 |
| 213 | Prevalence and outcomes of dehydration in adults with sickle cell trait: the Atherosclerosis Risk in Communities (ARIC) study. British Journal of Haematology, 2022, , . | 2.5 | 0 |
| 214 | Silent Infarcts, White Matter Integrity, and Oxygen Metabolic Stress in Young Adults With and Without Sickle Cell Trait. Stroke, 2022, 53, 2887-2895. | 2.0 | 5 |
| 216 | Suboptimal vancomycin levels in critically ill children with sickle cell disease and acute chest syndrome. Journal of Infection and Chemotherapy, 2022, , . | 1.7 | 2 |
| 217 | An Infected Simple Renal Cyst at Each Pole of the Left Kidney and Its Management: A Case Report. Cureus, 2022, , . | 0.5 | 1 |
| 218 | Neutrophil gelatinase-associated lipocalin is elevated in children with acute kidney injury and sickle cell anemia, and predicts mortality. Kidney International, 2022, 102, 885-893. | 5.2 | 6 |
| 219 | Sickle Cell Disease and Kidney. Advances in Chronic Kidney Disease, 2022, 29, 141-148.e1. | 1.4 | 3 |
| 220 | RENAL ABNORMALITIES AMONG SICKLE CELL DISEASE PATIENTS IN A POOR MANAGEMENT SETTING: A SURVEY IN THE DEMOCRATIC REPUBLIC OF THE CONGO. Mediterranean Journal of Hematology and Infectious Diseases, 2022, 14, e2022046. | 1.3 | 0 |
| 221 | Improvement of Hemolytic Anemia with GBT1118 is Reno-protective in Transgenic Sickle Mice. Blood Advances, 0, , . | 5.2 | 1 |
| 222 | Anticoagulation strategies and recurrence of venous thromboembolic events in patients with sickle cell disease: a systematic review and meta-analysis. Annals of Hematology, 2022, 101, 1931-1940. | 1.8 | 1 |
| 223 | Prominent Mitochondrial Injury as an Early Event in Heme Protein-Induced Acute Kidney Injury. Kidney360, 0, , 10.34067/KID.0004832022. | 2.1 | 2 |
| 224 | Sickle Cell Nephropathy in Children. , 2022, , 735-749. | | 0 |
| 225 | Heme Proteins and Kidney Injury: Beyond Rhabdomyolysis. Kidney360, 2022, 3, 1969-1979. | 2.1 | 8 |
| 226 | PATHOPHYSIOLOGICAL CHARACTERIZATION OF THE TOWNES MOUSE MODEL FOR SICKLE CELL DISEASE. Translational Research, 2022, , . | 5.0 | 4 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 228 | Biomarkers of sickle cell nephropathy in Senegal. PLoS ONE, 2022, 17, e0273745. | 2.5 | 1 |
| 229 | Dual diagnosis of autosomal dominant polycystic kidney disease and sickle cell disease in a teenage male. Pediatric Nephrology, 0, , . | 1.7 | 0 |
| 230 | Thrombo-Inflammation in COVID-19 and Sickle Cell Disease: Two Faces of the Same Coin. Biomedicines, 2023, 11, 338. | 3.2 | 3 |
| 231 | Screening for Kidney Disease in Low- and Middle-Income Countries. Seminars in Nephrology, 2022, 42, 151315. | 1.6 | 5 |
| 232 | The association between renal function decline and disease severity in sickle cell disease. American Journal of Hematology, 2023, 98, . | 4.1 | 0 |
| 234 | Mineral bone disorders and kidney disease in hospitalized children with sickle cell anemia. Frontiers in Pediatrics, 0, 10, . | 1.9 | 5 |
| 235 | Urinary Biomarkers for the Assessment of Acute Kidney Injury of Pediatric Sickle Cell Anemia Patients Admitted for Severe Vaso-occlusive Crises. Journal of Pediatric Hematology/Oncology, 2023, 45, 309-314. | 0.6 | 1 |
| 236 | β-Hemoglobinopathies and Early Onset of Cancers in Adulthood: Epidemiology in Southeastern Asia and Brunei with Emphasis for Prevention and Treatment. , 2023, , 405-422. | | 0 |
| 237 | Sickle Cell Nephropathy. , 2018, , 369-374.e1. | | 0 |
| 238 | Hypertensive emergency versus preeclampsia in a patient with sickle cell disease: a case report. World Journal of Emergency Medicine, 2023, 14, . | 1.0 | 0 |
| 239 | Current Evidence and Rationale to Guide Perioperative Management, Including Transfusion Decisions, in Patients With Sickle Cell Disease. Anesthesia and Analgesia, 2023, 136, 1107-1114. | 2.2 | 0 |
| 240 | Catch bonds in sickle cell disease: Shear-enhanced adhesion of red blood cells to laminin. Biophysical Journal, 2023, 122, 2564-2576. | 0.5 | 1 |
| 241 | Mouse models of sickle cell disease: Imperfect and yet very informative. Blood Cells, Molecules, and Diseases, 2023, , 102776. | 1.4 | 0 |
| 243 | Management of the Sickle Cell Trait: An Opinion by Expert Panel Members. Journal of Clinical Medicine, 2023, 12, 3441. | 2.4 | 2 |
| 244 | Blockade of the mineralocorticoid receptor improves markers of human endothelial cell dysfunction and hematological indices in a mouse model of sickle cell disease. FASEB Journal, 2023, 37, . | 0.5 | 0 |
| 245 | Interventions for chronic kidney disease in people with sickle cell disease. The Cochrane Library, 2023, 2023, . | 2.8 | 0 |
| 246 | Vitamin D Deficiency and Its Association With Anemia and Blood Transfusion Requirements in Nigerian Adults With Sickle Cell Anemia. Plasmatology, 2021, 15, . | 0.4 | 0 |
| 247 | Renin as a Biomarker of Acute Kidney Injury and Mortality in Children With Severe Malaria or Sickle Cell Disease. Cureus, 2023, , . | 0.5 | 0 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 248 | Rhabdomyolysis aggravates renal iron accumulation and acute kidney injury in a humanized mouse model of sickle cell disease. Free Radical Research, 0, , 1-9. | 3.3 | 0 |
| 249 | Assessment of menstrual health in adolescent and young adults with sickle cell disease. Pediatric Blood and Cancer, 2024, 71, . | 1.5 | 0 |
| 250 | Society for Maternal-Fetal Medicine Consult Series #68: Sickle cell disease in pregnancy. American Journal of Obstetrics and Gynecology, 2024, 230, B17-B40. | 1.3 | 0 |
| 251 | Cystatin C-derived estimated glomerular filtration rate in children with sickle cell anaemia. BMC Nephrology, 2023, 24, . | 1.8 | 0 |
| 252 | Platelet Factor 4 Antibodies and Severe AKI. Kidney360, 2023, , . | 2.1 | 1 |
| 253 | Acute kidney injury is more common in hospitalised children with sickle cell anaemia in Africa. Acta Paediatrica, International Journal of Paediatrics, 2024, 113, 557-563. | 1.5 | 0 |
| 255 | Euvolemic automated transfusion to treat severe anemia in sickle cell disease patients at risk of circulatory overload. Transfusion, 0, , . | 1.6 | 0 |
| 256 | Renal outcomes in pediatric patients with sickle cell disease: a single center experience in Saudi Arabia. Frontiers in Pediatrics, 0, 11, . | 1.9 | 0 |
| 257 | Proteomic analyses of urinary exosomes identify novel potential biomarkers for early diagnosis of sickle cell nephropathy, a sex-based study. Frontiers in Physiology, 0, 15, . | 2.8 | 0 |
| 258 | The role of immune system in atherosclerosis: Molecular mechanisms, controversies, and future possibilities. Human Immunology, 2024, 85, 110765. | 2.4 | 0 |