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.	2.0	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.	1.6	48
3	Changes in Conjunctival Hemodynamics Predict Albuminuria in Sickle Cell Nephropathy. American Journal of Nephrology, 2015, 41, 487-493.	1.4	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.	1.1	51
6	Endothelin-1 and the kidney. Current Opinion in Nephrology and Hypertension, 2016, 25, 35-41.	1.0	60
7	Inflammatory and oxidative stress phenotypes in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2016, 62, 13-21.	0.6	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.	2.0	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.	2.0	2
13	Patterns of opioid use in sickle cell disease. American Journal of Hematology, 2016, 91, 1102-1106.	2.0	24
14	Evolution of sickle cell disease from a lifeâ€threatening disease of children to a chronic disease of adults: The last 40 years. American Journal of Hematology, 2016, 91, 5-14.	2.0	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.	1.2	10
16	Balanced Translocations Disrupting SMARCB1 Are Hallmark Recurrent Genetic Alterations in Renal Medullary Carcinomas. European Urology, 2016, 69, 1055-1061.	0.9	96
18	Therapeutic potential of endothelin receptor antagonism in kidney disease. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R388-R397.	0.9	18
19	Medullary Microvascular Thrombosis and Injury in Sickle Hemoglobin C Disease. Journal of the American Society of Nephrology: JASN, 2016, 27, 1300-1304.	3.0	4

#	Article	IF	Citations
20	Plasma heme-induced renal toxicity is related to a capillary rarefaction. Scientific Reports, 2017, 7, 40156.	1.6	10
21	Sickle cell disease. Lancet, The, 2017, 390, 311-323.	6.3	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.	1.0	23
23	Improved Fetal Hemoglobin With mTOR Inhibitorâ€“Based Immunosuppression in a Kidney Transplant Recipient With Sickle Cell Disease. American Journal of Transplantation, 2017, 17, 2212-2214.	2.6	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.	3.0	2
25	Treating sickle cell disease by targeting HbS polymerization. Blood, 2017, 129, 2719-2726.	0.6	170
26	Sickle cell disease: a natural model of acute and chronic pain. Pain, 2017, 158, S79-S84.	2.0	41
27	Acute kidney injury in children with sickle cell diseaseâ€”compounding a chronic problem. Pediatric Nephrology, 2017, 32, 1287-1291.	0.9	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.	3.0	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.	2.1	25
30	Nutcracker Syndrome and Sickle Cell Trait: A Perfect Storm for Hematuria. Journal of General Internal Medicine, 2017, 32, 585-588.	1.3	5
31	Extracellular fluid tonicity impacts sickle red blood cell deformability and adhesion. Blood, 2017, 130, 2654-2663.	0.6	47
32	The spectrum of sickle hemoglobin-related nephropathy: from sickle cell disease to sickle trait. Expert Review of Hematology, 2017, 10, 1087-1094.	1.0	41
33	Clinical Implications of Single-Cell Microfluidic Devices for Hematological Disorders. Analytical Chemistry, 2017, 89, 11881-11892.	3.2	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.	0.1	0
35	Synthetic oligosaccharides can replace animal-sourced lowâ€“molecular weight heparins. Science Translational Medicine, 2017, 9, .	5.8	82
36	Interventions for chronic kidney disease in people with sickle cell disease. The Cochrane Library, 2017, 2017, CD012380.	1.5	9
37	Use of anti-inflammatory analgesics in sickle-cell disease. Journal of Clinical Pharmacy and Therapeutics, 2017, 42, 656-660.	0.7	11

#	Article	IF	Citations
38	AfectaciÃ³n glomerular en paciente con enfermedad falciforme. Nefrologia, 2017, 37, 437-439.	0.2	0
39	Glomerular involvement in patient with sickle cell disease. Nefrologia, 2017, 37, 437-439.	0.2	0
40	Increased vancomycin dosing requirements in sickle cell disease due to hyperfiltration-dependent and independent pathways. Haematologica, 2017, 102, e282-e284.	1.7	4
42	Spleen histology in children with sickle cell disease and hereditary spherocytosis: hints on the disease pathophysiology. Human Pathology, 2017, 60, 95-103.	1.1	17
43	Kidney Transplantation From a Donor With Sickle Cell Disease. American Journal of Transplantation, 2017, 17, 569-571.	2.6	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.	2.1	13
45	Chronic organ failure in adult sickle cell disease. Hematology American Society of Hematology Education Program, 2017, 2017, 435-439.	0.9	38
46	Sickle Cell Trait and Renal Function in Hispanics in the United States: the Northern Manhattan Study. Ethnicity and Disease, 2017, 27, 11.	1.0	10
47	Undetectable haptoglobin is associated with major adverse kidney events in critically ill burn patients. Critical Care, 2017, 21, 245.	2.5	11
48	Increased prevalence of renal cysts in patients with sickle cell disease. BMC Nephrology, 2017, 18, 298.	0.8	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.	1.4	14
50	Sickle cell disease and albuminuria: recent advances in our understanding of sickle cell nephropathy. CKJ: Clinical Kidney Journal, 2017, 10, 475-478.	1.4	19
51	Inflammation in sickle cell disease. Clinical Hemorheology and Microcirculation, 2018, 68, 263-299.	0.9	148
52	Vascular complications of sickle cell disease. Clinical Hemorheology and Microcirculation, 2018, 68, 205-221.	0.9	17
53	Progressive glomerular and tubular damage in sickle cell trait and sickle cell anemia mouse models. Translational Research, 2018, 197, 1-11.	2.2	15
54	Sickle cell nephropathy: an update on pathophysiology, diagnosis, and treatment. International Urology and Nephrology, 2018, 50, 1075-1083.	0.6	30
56	RON kinase inhibition reduces renal endothelial injury in sickle cell disease mice. Haematologica, 2018, 103, 787-798.	1.7	12
57	Moderate exercise training decreases inflammation in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2018, 69, 45-52.	0.6	16

#	Article	IF	Citations
58	Current, Emerging, and Anticipated Therapies for Sickle Cell Disease. Mayo Clinic Proceedings, 2018, 93, 1703-1706.	1.4	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.	1.1	8
61	Evaluating Microalbuminuria in Children with Sickle Cell Disease: Review of the Literature. Journal for Nurse Practitioners, 2018, 14, 739-744.	0.4	1
62	Sickle cell disease: a case report of renal amyloidosis. BMC Nephrology, 2018, 19, 256.	0.8	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.	0.2	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.	0.2	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.	0.4	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.	1.1	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.	2.0	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.	1.8	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.	1.2	10
73	Impact of ET-1 and sex in glomerular hyperfiltration in humanized sickle cell mice. Clinical Science, 2019, 133, 1475-1486.	1.8	13
74	Receptor for Advanced Glycation End Products Antagonism Blunts Kidney Damage in Transgenic Townes Sickle Mice. Frontiers in Physiology, 2019, 10, 880.	1.3	8
75	Survival and specific outcome of sickle cell disease patients after renal transplantation. British Journal of Haematology, 2019, 187, 676-680.	1.2	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.	0.8	8
77	Mechanisms of haemolysis-induced kidney injury. Nature Reviews Nephrology, 2019, 15, 671-692.	4.1	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.	2.1	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.	1.0	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.	1.1	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.	0.6	6
82	A Phase 3 Randomized Trial of Voxelotor in Sickle Cell Disease. New England Journal of Medicine, 2019, 381, 509-519.	13.9	401
83	Glomerular Filtration: Too Much of a Good Thing?. American Journal of Kidney Diseases, 2019, 73, 756-758.	2.1	0
84	The carrier state for sickle cell disease is not completely harmless. Haematologica, 2019, 104, 1106-1111.	1.7	38
85	Sickle cell disease: Clinical presentation and management of a global health challenge. Blood Reviews, 2019, 37, 100580.	2.8	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.	0.7	6
87	Normal saline bolus use in pediatric emergency departments is associated with poorer pain control in children with sickle cell anemia and vasoâ€occlusive pain. American Journal of Hematology, 2019, 94, 689-696.	2.0	17
88	Sickle Cell Disease. Hematology/Oncology Clinics of North America, 2019, 33, 355-371.	0.9	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.	2.1	37
90	Sickle cell disease nephropathy: an update on risk factors and potential biomarkers in pediatric patients. Biomarkers in Medicine, 2019, 13, 965-985.	0.6	13
91	Hyperfiltration predicts long-term renal outcomes in humanized sickle cell mice. Blood Advances, 2019, 3, 1460-1475.	2.5	23
92	Elimination of the fibrinogen integrin Î±MÎ²2-binding motif improves renal pathology in mice with sickle cell anemia. Blood Advances, 2019, 3, 1519-1532.	2.5	16
93	Technetium-99m-dimercaptosuccinic acid renal scintigraphy and single photon emission computed tomography/computed tomography in patients with sickle cell disease. Nuclear Medicine Communications, 2019, 40, 1158-1165.	0.5	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.	1.1	7
95	Impact of Sickle Cell Anemia on Inpatient Morbidity After Spinal Fusion. Clinical Spine Surgery, 2019, 32, 439-443.	0.7	3
96	CE: Understanding the Complications of Sickle Cell Disease. American Journal of Nursing, 2019, 119, 26-35.	0.2	32
97	Cardiovascular Outcomes in African Americans with Sickle Cell Trait and Chronic Kidney Disease. American Journal of Nephrology, 2019, 49, 93-102.	1.4	5
98	Sickle Cell Nephropathy in the Pediatric Population. Blood Purification, 2019, 47, 205-213.	0.9	20
99	Emerging pharmacotherapeutic approaches for the management of sickle cell disease. Expert Opinion on Pharmacotherapy, 2019, 20, 173-186.	0.9	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.	0.3	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.	0.6	15
102	A novel, highly potent and selective phosphodiesterase-9 inhibitor for the treatment of sickle cell disease. Haematologica, 2020, 105, 623-631.	1.7	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.	1.4	11
104	Persistent hematuria among children with sickle cell anemia in steady state. Hematology, Transfusion and Cell Therapy, 2020, 42, 255-260.	0.1	4
106	Tubular Acidification Defect in Adults with Sickle Cell Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 16-24.	2.2	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.	0.3	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.	1.3	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.	0.8	25
110	Kidney Transplantation With a Sickle Cell Disease Donor. Kidney International Reports, 2020, 5, 1836-1838.	0.4	1
111	Approach to Persistent Microscopic Hematuria in Children. Kidney360, 2020, 1, 1014-1020.	0.9	4
112	Novel hydration and nutritional strategies for sickle cell disease. EJHaem, 2020, 1, 230-234.	0.4	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.	0.8	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.	1.2	8
115	Are My Pediatric Patients at Increased Risk of Developing Chronic Kidney Disease?. Clinical Pediatrics, 2020, 59, 801-808.	0.4	0
116	Renal Functional Decline in Sickle Cell Disease and Trait. Journal of the American Society of Nephrology: JASN, 2020, 31, 236-238.	3.0	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.	3.0	35
118	Small molecule therapeutics to treat the Î²-globinopathies. Current Opinion in Hematology, 2020, 27, 129-140.	1.2	14
119	Advances in Sickle Cell Disease Management. Advances in Pediatrics, 2020, 67, 57-71.	0.5	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.	1.0	12
121	Leucocytosis and Asymptomatic Urinary Tract Infections in Sickle Cell Patients at a Tertiary Hospital in Zambia. Anemia, 2020, 2020, 1-5.	0.5	2
122	The Dialysis Safety Net: Who Cares for Those Without Medicare?. Journal of the American Society of Nephrology: JASN, 2020, 31, 238-240.	3.0	1
124	Sex differences in redox homeostasis in renal disease. Redox Biology, 2020, 31, 101489.	3.9	17
125	Haptoglobin Therapeutics and Compartmentalization of Cell-Free Hemoglobin Toxicity. Trends in Molecular Medicine, 2020, 26, 683-697.	3.5	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.	1.2	12
127	Atypical presentation of acute post-infectious glomerulonephritis in patients with sickle cell disease: report of two cases. BMC Nephrology, 2020, 21, 56.	0.8	1
128	Hyperuricemia is associated with a lower glomerular filtration rate in pediatric sickle cell disease patients. Pediatric Nephrology, 2020, 35, 883-889.	0.9	9
129	Progression of albuminuria in patients with sickle cell anemia: a multicenter, longitudinal study. Blood Advances, 2020, 4, 1501-1511.	2.5	28
130	Hemopexin deficiency promotes acute kidney injury in sickle cell disease. Blood, 2020, 135, 1044-1048.	0.6	25
131	Bleeding in patients with sickle cell disease: a population-based study. Blood Advances, 2020, 4, 793-802.	2.5	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.	0.9	17
133	Nociceptors protect sickle cell disease mice from vaso-occlusive episodes and chronic organ damage. Journal of Experimental Medicine, 2021, 218, .	4.2	12
134	Impact of renal function on hydroxyurea exposure in sickleâ€cell disease patients. British Journal of Clinical Pharmacology, 2021, 87, 2274-2285.	1.1	2
135	The emerging challenge of sickle cell nephropathy. Nephrology Dialysis Transplantation, 2021, 36, 779-781.	0.4	2
136	The Worst Things in Life are Free: The Role of Free Heme in Sickle Cell Disease. Frontiers in Immunology, 2020, 11, 561917.	2.2	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.	0.0	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.	0.5	0
143	Heme Oxygenase 1: A Defensive Mediator in Kidney Diseases. International Journal of Molecular Sciences, 2021, 22, 2009.	1.8	19
144	Chronic organ injuries in children with sickle cell disease. Haematologica, 2021, 106, 1535-1544.	1.7	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.	1.1	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.	2.2	10
147	Neutrophil gelatinaseâ€“associated lipocalin as a biomarker of nephropathy in sickle cell disease. Annals of Hematology, 2021, 100, 1401-1409.	0.8	3
148	Sickle cell vaso-occlusion: The dialectic between red cells and white cells. Experimental Biology and Medicine, 2021, 246, 1458-1472.	1.1	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.	2.8	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.	2.7	12
151	Haematuria in children. British Journal of Hospital Medicine (London, England: 2005), 2021, 82, 1-8.	0.2	0
152	Sickle cell nephropathy: insights into the pediatric population. Pediatric Nephrology, 2022, 37, 1231-1243.	0.9	5
153	Impact of preâ€eclampsia on renal outcome in sickle cell disease patients. British Journal of Haematology, 2021, 194, 1053-1062.	1.2	4
154	Hemodynamic and biological correlates of glomerular hyperfiltration in sickle cell patients before and under reninâ€“angiotensin system blocker. Scientific Reports, 2021, 11, 11682.	1.6	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.	1.1	4
156	From kidney injury to kidney cancer. Kidney International, 2021, 100, 55-66.	2.6	22
157	Liver transplantation for sickle cell disease: a systematic review. Hpb, 2021, 23, 994-999.	0.1	2
159	Heme Burden and Ensuing Mechanisms That Protect the Kidney: Insights from Bench and Bedside. International Journal of Molecular Sciences, 2021, 22, 8174.	1.8	3
160	Do We Store Packed Red Blood Cells under â€œQuasi-Diabeticâ€•Conditions?. Biomolecules, 2021, 11, 992.	1.8	6
161	Outcomes of Kidney Transplant Recipients with Sickle Cell Disease: An Analysis of the 2000â€“2019 UNOS/OPTN Database. Journal of Clinical Medicine, 2021, 10, 3063.	1.0	7
162	Effects of reninâ€angiotensin blockade and APOL1 on kidney function in sickle cell disease. EJHaem, 2021, 2, 483-484.	0.4	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.	1.5	7
164	Novel kidney injury biomarkers in a large cohort of children with sickle cell anemia. Biomarkers in Medicine, 2021, 15, 999-1009.	0.6	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.	0.4	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.	0.6	1
168	Variations and characteristics of the various clinical phenotypes in a cohort of Nigerian sickle cell patients. Hematology, 2021, 26, 684-690.	0.7	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, .	2.3	135
171	The multifaceted role of ischemia/reperfusion in sickle cell anemia. Journal of Clinical Investigation, 2020, 130, 1062-1072.	3.9	48
172	Urinary Bladder Dysfunction in Transgenic Sickle Cell Disease Mice. PLoS ONE, 2015, 10, e0133996.	1.1	12
173	Hemolysis induced by Left Ventricular Assist Device is associated with proximal tubulopathy. PLoS ONE, 2020, 15, e0242931.	1.1	5
174	New insights into the role of heme oxygenase-1 in acute kidney injury. Kidney Research and Clinical Practice, 2020, 39, 387-401.	0.9	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.	1.0	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.	0.3	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.	0.3	0
178	Sickle cell nephropathy. Clinical manifestations and new mechanisms involved in kidney injury. Nefrologia, 2021, , .	0.2	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.	0.0	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.	0.4	2
183	Sickle Cell Anemia: A review on the most severe form of Sickle Cell Disease. Revista Bionatura, 2019, 02, .	0.1	0
184	Sickle Cell Nephropathy. , 2019, , 359-366.		0
186	Pulmonary Edema in Hb SÎ²+ thalassemia Patient Leading to Acute Chest Syndrome. A Case Report and Review of Literature. American Journal of Medical Case Reports, 2020, 8, 332-334.	0.1	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.	0.2	1
189	Spectre des atteintes rÃ©nales. , 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.	0.2	4
192	Pulmonary Edema in Hb S/Î²+ thalassemia Patient Leading to Acute Chest Syndrome. A Case Report and Review of Literature. American Journal of Medical Case Reports, 2020, 8, 332-334.	0.1	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.	0.6	4
195	The pharmacokinetic and safety profile of single-dose deferiprone in subjects with sickle cell disease. Annals of Hematology, 2022, 101, 533-539.	0.8	7
196	Pharmacodynamics of rocuronium in sickle cell patients. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101011.	0.6	0
197	Hyperkalemia and Metabolic Acidosis Occur at Higher Estimated Glomerular Filtration Rates in Sickle Cell Disease. Kidney360, 0, , 10.34067/KID.0006802021.	0.9	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, , .	1.2	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.	1.1	10
202	The nephropathy of sickle cell trait and sickle cell disease. Nature Reviews Nephrology, 2022, 18, 361-377.	4.1	26
203	The Role of Ferric Nitrilotriacetate in Renal Carcinogenesis and Cell Death: From Animal Models to Clinical Implications. Cancers, 2022, 14, 1495.	1.7	9
204	Outcomes of kidney donors with sickle cell trait: A preliminary analysis. Clinical Transplantation, 2022, , e14626.	0.8	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.	0.7	6
206	Acute kidney injury in hospitalized children with sickle cell anemia. BMC Nephrology, 2022, 23, 110.	0.8	8
207	Considerations for the future: current and future treatment paradigms with mineralocorticoid receptor antagonistsâ€"unmet needs and underserved patient cohorts. Kidney International Supplements, 2022, 12, 69-75.	4.6	7

#	Article	IF	Citations
208	Renal Cell Cancer and Chronic Kidney Disease. Advances in Chronic Kidney Disease, 2021, 28, 460-468.e1.	0.6	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, , .	0.7	1
210	Evidence of protective effects of recombinant ADAMTS13 in a humanized model of sickle cell disease. Haematologica, 2022, 107, 2650-2660.	1.7	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, , .	1.3	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.	1.3	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, , .	1.2	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.	1.0	5
216	Suboptimal vancomycin levels in critically ill children with sickle cell disease and acute chest syndrome. Journal of Infection and Chemotherapy, 2022, , .	0.8	2
217	An Infected Simple Renal Cyst at Each Pole of the Left Kidney and Its Management: A Case Report. Cureus, 2022, , .	0.2	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.	2.6	6
219	Sickle Cell Disease and Kidney. Advances in Chronic Kidney Disease, 2022, 29, 141-148.e1.	0.6	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.	0.5	0
221	Improvement of Hemolytic Anemia with GBT1118 is Reno-protective in Transgenic Sickle Mice. Blood Advances, 0, , .	2.5	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.	0.8	1
223	Prominent Mitochondrial Injury as an Early Event in Heme Protein-Induced Acute Kidney Injury. Kidney360, 0, , 10.34067/KID.0004832022.	0.9	2
224	Sickle Cell Nephropathy in Children. , 2022, , 735-749.		0
225	Heme Proteins and Kidney Injury: Beyond Rhabdomyolysis. Kidney360, 2022, 3, 1969-1979.	0.9	8
226	PATHOPHYSIOLOGICAL CHARACTERIZATION OF THE TOWNES MOUSE MODEL FOR SICKLE CELL DISEASE. Translational Research, 2022, , .	2.2	4

#	Article	IF	Citations
228	Biomarkers of sickle cell nephropathy in Senegal. PLoS ONE, 2022, 17, e0273745.	1.1	1
229	Dual diagnosis of autosomal dominant polycystic kidney disease and sickle cell disease in a teenage male. Pediatric Nephrology, 0, , .	0.9	0
230	Thrombo-Inflammation in COVID-19 and Sickle Cell Disease: Two Faces of the Same Coin. Biomedicines, 2023, 11, 338.	1.4	3
231	Screening for Kidney Disease in Low- and Middle-Income Countries. Seminars in Nephrology, 2022, 42, 151315.	0.6	5
232	The association between renal function decline and disease severity in sickle cell disease. American Journal of Hematology, 2023, 98, .	2.0	0
234	Mineral bone disorders and kidney disease in hospitalized children with sickle cell anemia. Frontiers in Pediatrics, 0, 10, .	0.9	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.	0.3	1
236	Î²-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