Supplementary information

Table of studies not included after full-text review

|  |  |  |
| --- | --- | --- |
| 1. | Abd Elmoneim AA, Al Hawsawi ZM, Mahmoud BZ, et al. Causes of hospitalization in sickle cell diseased children in western region of Saudi Arabia. A single center study. *Saudi Med J* 2019; **40**(4): 401-4. | Did not meet inclusion criteria |
| 2. | Abdulrauf A, Gauderer M, Chiarucci K, Berman B. LONG-TERM CENTRAL VENOUS ACCESS IN PATIENTS WITH SICKLE-CELL DISEASE - INCIDENCE OF THROMBOTIC AND INFECTIOUS COMPLICATIONS. *Journal of Pediatric Hematology Oncology* 1995; **17**(4): 342-5. | Did not meet inclusion criteria |
| 3. | Agarwalla SK, Pradhan S. Spectrum of infection in sickle cell disease children. *Indian Journal of Hematology and Blood Transfusion* 2015; **31**(1 SUPPL. 1): S49-S50. | Conference proceedings |
| 4. | Ambe JP, Mava Y, Chama R, Farouq G, Machoko Y. Clinical features of sickle cell anaemia in northern nigerian children. *West Afr J Med* 2012; **31**(2): 81-5. | Did not meet inclusion criteria |
| 5. | Ander DS, Vallee PA. Diagnostic evaluation for infectious etiology of sickle cell pain crisis. *Am J Emerg Med* 1997; **15**(3): 290-2. | Did not meet inclusion criteria |
| 6. | Ashcroft MT, Desai P. Mortality and morbidity in Jamaican adults with sickle-cell trait and with normal haemoglobin followed up for twelve years. *Lancet* 1976; **2**(7989): 784-6. | Did not meet inclusion criteria |
| 7. | Azar SS, Simeone FJ, Jarolimova J, Nussbaum EZ. Case 37-2023: A 29-Year-Old Man with Sickle Cell Disease and Right Hip Pain. *New England Journal of Medicine* 2023; **389**(22): 2088-96. | Did not meet inclusion criteria |
| 8. | Bala N, Chao J, John D, Sinert R. Prevalence of Bacteremia in Febrile Patients With Sickle Cell Disease: Meta-Analysis of Observational Studies. *Pediatr Emerg Care* 2019. | Did not meet inclusion criteria |
| 9. | Bala N, Chao J, John D, Sinert R. Prevalence of Bacteremia in Febrile Patients With Sickle Cell Disease Meta-Analysis of Observational Studies. *Pediatric Emergency Care* 2021; **37**(12): E1695-E700. | Did not meet inclusion criteria |
| 10. | Battersby AJ, Knox-Macaulay HHM, Carrol ED. Susceptibility to Invasive Bacterial Infections in Children With Sickle Cell Disease. *Pediatric Blood & Cancer* 2010; **55**(3): 401-6. | Review article |
| 11. | Buchanan GR, McBride D, Morrison R. BACTEREMIA SEPTICEMIA IN YOUNG-CHILDREN WITH SICKLE-C DISEASE AND SICKLE BETA+-THALASSEMIA - IS PROPHYLACTIC PENICILLIN NECESSARY. *Clinical Research* 1990; **38**(4): A973-A. | Did not meet inclusion criteria |
| 12. | Castillo-Campos L, Bachiller-Carnicero L, Megia-Sevilla MJ, Gonzalez-Tome MI. Secondary asplenia as a complication of severe Meningococcal Sepsis. *BMJ Case Reports* 2017; **2017**: bcr-2016-217167 | Did not meet inclusion criteria |
| 13. | Chi R, Walter J. Sickle cell anemia patients presenting to an emergency department with severe sepsis or septic shock. *Critical Care Medicine* 2014; **42**(12 SUPPL. 1): A1598. | Conference proceedings |
| 14. | Claudius I, Baraff LJ. Pediatric emergencies associated with fever. *Emerg Med Clin North Am* 2010; **28**(1): 67-84, vii-viii. | Review article |
| 15. | Contreras-Yametti G, Haidee C, Imran H. Prevalence of severe bacterial infection in febrile children with sickle cell disease in the era of pneumococcal conjugate vaccine 13. *Blood* 2018; **132**(Suppl. 1). | Conference proceedings |
| 16. | Costa CPS, Alves MS, Lima-Neto LG, Valois EM, Monteiro-Neto V, Souza SFC. Is there bacterial infection in the intact crowns of teeth with pulp necrosis of sickle cell anaemia patients? A case series study nested in a cohort. *Int Endod J* 2021; **54**(6): 817-25. | Did not meet inclusion criteria |
| 17. | Day TG, Thein SL, Drasar E, et al. Changing pattern of hospital admissions of children with sickle cell disease over the last 50 years. *Journal of Pediatric Hematology/Oncology* 2011; **33**(7): 491-5. | Did not meet inclusion criteria |
| 18. | Ebong WW. Septic arthritis in patients with sickle-cell disease. *Br J Rheumatol* 1987; **26**(2): 99-102. | Did not meet inclusion criteria |
| 19. | el Mouzan MI, al Awamy BH, Absood G. Infections and sickle cell disease in Eastern Saudi Arabian children. *Am J Dis Child* 1989; **143**(2): 205-7. | Did not meet inclusion criteria |
| 20. | Fernbach DJ, Burdine JA, Jr. Sepsis and functional asplenia. *N Engl J Med* 1970; **282**(12): 691. | Did not meet inclusion criteria |
| 21. | Galacteros F, Benkerrou M, De Montalembert M, et al. Management of infections in scd patients treated with hu in the framework of escort HU. *Blood* 2017; **130**(Supplement 1). | Conference proceedings |
| 22. | Hamideh D, Alvarez O. Sickle cell disease related mortality in the United States (1999-2009). *Pediatr Blood Cancer* 2013; **60**(9): 1482-6. | Did not meet inclusion criteria |
| 23. | Isenhour CJ, Crowe SJ, McNamara LA. Differences in meningococcal disease incidence by health insurance type and among persons experiencing homelessness-United States, 2016-2019. *PLoS ONE* 2023; **18**(10 October): e0293070. | Did not meet inclusion criteria |
| 24. | Jain D, Chandak A, Deopujari S. Bacteraemia in children with sickle cell disease: Indian scenario. *American Journal of Hematology* 2009; **84**(8): E87. | Conference proceedings |
| 25. | Khalife S, Ahmad R, Haidar R, Khoury N, Dbaibo G, Abboud MR. A RETROSPECTIVE REVIEW OF BACTEREMIA AND OSTEOMYELITIS IN SICKLE CELL PATIENTS PRESENTING WITH FEVER IN LEBANON. *Haematologica* 2016; **101**: 582-3. | Conference proceedings |
| 26. | Lagunju IA, Brown BJ. Adverse neurological outcomes in Nigerian children with sickle cell disease. *Int J Hematol* 2012; **96**(6): 710-8. | Did not meet inclusion criteria |
| 27. | Le P, Ferster A, Dedeken L, et al. Neonatal screening improves sickle cell disease clinical outcome in Belgium. *Journal of Medical Screening* 2018; **25**(2): 57-63. | Did not meet inclusion criteria |
| 28. | Le Turdu-Chicot C, Foucan L, Etienne-Julan M, Leborgne-Samuel Y, Fanhan R, Berchel C. [Analysis of hospitalization of adult sickle-cell patients in Guadeloupe]. *Rev Med Interne* 2000; **21**(1): 24-9. | Did not meet inclusion criteria |
| 29 | Lieberman L, Kirby M, Ozolins L, Mosko J, Friedman J. Initial presentation of unscreened children with sickle cell disease: the Toronto experience. *Pediatr Blood Cancer* 2009; **53**(3): 397-400. | Did not meet inclusion criteria |
| 30. | Lontie M, Vandepitte J, Gatti F, Makulu A. [Etiological and epidemiologic evaluation of 474 cases of microbial meningitis observed at Kinshasa (Republic of Zaire)]. *Ann Soc Belg Med Trop* 1973; **53**(6): 619-32. | Did not meet inclusion criteria |
| 31. | Mabiala-Babela JR, Nkanza-Kaluwako SA, Ganga-Zandzou PS, Nzingoula S, Senga P. [Effects of age on causes of hospitalization in children suffering from sickle cell disease]. *Bull Soc Pathol Exot* 2005; **98**(5): 392-3. | Did not meet inclusion criteria |
| 32. | Magnus SA, Hambleton IR, Moosdeen F, Serjeant GR. Recurrent infections in homozygous sickle cell disease. *Arch Dis Child* 1999; **80**(6): 537-41. | Cross over in data with another included study? |
| 33. | Mandot S, Khurana VL, Sonesh JK. Sickle cell anemia in Garasia tribals of Rajasthan. *Indian Pediatr* 2009; **46**(3): 239-40. | Did not meet inclusion criteria |
| 34. | Morris C, Vichinsky E, Styles L. Clinician assessment for acute chest syndrome in febrile patients with sickle cell disease: is it accurate enough? *Ann Emerg Med* 1999; **34**(1): 64-9. | Did not meet inclusion criteria |
| 35. | Munube D, Katabira E, Ndeezi G, et al. Prevalence of stroke in children admitted with sickle cell anaemia to Mulago Hospital. *BMC Neurol* 2016; **16**: 175. | Did not meet inclusion criteria |
| 36. | Mushrif S, Ozgonenel B, McGrath E, Roy S, Shurney WW, Sarnaik S. BACTEREMIA IN PATIENTS WITH SICKLE CELL DISEASE. *Pediatric Blood & Cancer* 2012; **58**(7): 1025-. | Conference proceedings |
| 37. | Narang S, Fernandez D, Weinberg G, Lerner N, Chin N. BACTEREMIA IN CHILDREN WITH SICKLE HEMOGLOBINOPATHIES. *Pediatric Blood & Cancer* 2010; **54**(6): 839-. | Conference proceedings |
| 38. | Noronha SA, Strouse JJ. Fever in Children With Sickle Cell Disease-Rethinking the Approach When Bacteremia Is Rare. *JAMA Netw Open* 2023; **6**(6): e2318837. | Editorial |
| 39. | Ntsiba H, Makosso E, Ngandeu-Singwe M, Yala F. [Septic arthritis in tropical environment. 176 cases report in Brazzaville]. *Mali Med* 2006; **21**(1): 49-53. | Did not meet inclusion criteria |
| 40. | Obaro S. Pneumococcal infections and sickle cell disease in Africa: does absence of evidence imply evidence of absence? *Arch Dis Child* 2009; **94**(9): 713-6. | Review |
| 41. | Obaro S. Preventable deaths in sickle-cell anaemia in African children. *Lancet* 2010; **375**(9713): 460; author reply 1. | Correspondance, commentary on another paper |
| 42. | Obaro S, Greenwood B. Malaria and bacteraemia in African children. *The Lancet* 2011; **378**(9799): 1281-2. | Commentary |
| 43. | Ogun GO, Ebili H, Kotila TR. Autopsy findings and pattern of mortality in Nigerian sickle cell disease patients. *Pan Afr Med J* 2014; **18**: 30. | Did not meet inclusion criteria |
| 44. | Okuonghae HO, Nwankwo MU, Offor EC. Pattern of bacteraemia in febrile children with sickle cell anaemia. *Ann Trop Paediatr* 1993; **13**(1): 55-64. | Overlap in data with Okuonghae 1992. Ann Trop Paediatr which is included in study |
| 45. | Olanipekun G, Duru I, Idiong D, Medugu N, Ajose T, Obaro S. A retrospective survey of bacteraemia and advocacy for routine Salmonella immunization in children with sickle cell disease in north central Nigeria. *International Journal of Infectious Diseases* 2018; **73**: 103-. | Conference proceedings |
| 46. | Ray B, Rylance G. Question 1. Normal CSF: Does it exclude meningitis? Commentary. *Archives of Disease in Childhood* 2009; **94**(12): 988-91. | Commentary |
| 47. | Sabarense AP, Lima GO, Silva LML, Viana MB. Characterization of mortality in children with sickle cell disease diagnosed through the Newborn Screening Program. *Jornal De Pediatria* 2015; **91**(3): 242-7. | Did not meet inclusion criteria |
| 48. | Saitoh A, Beall B, Nizet V. Fulminant bacterial meningitis complicating sphenoid sinusitis. *Pediatr Emerg Care* 2003; **19**(6): 415-7. | Did not meet inclusion criteria |
| 49. | Scott JA, Berkley JA, Mwangi I, et al. Relation between falciparum malaria and bacteraemia in Kenyan children: a population-based, case-control study and a longitudinal study. *Lancet* 2011; **378**(9799): 1316-23. | Did not meet inclusion criteria |
| 50. | Sharma A, Alavi A, Woldie IL, Singh V. National Burden of Encapsulated Bacterial Infections in Sickle Cell Disease. *Blood* 2022; **140**(Supplement 1): 5148-9. | Conference proceedings |
| 51. | Stankovic Stojanovic K, Steichen O, Lionnet F, et al. Is procalcitonin a marker of invasive bacterial infection in acute sickle-cell vaso-occlusive crisis? *Infection* 2011; **39**(1): 41-5. | Did not meet inclusion criteria |
| 52. | Thuilliez V, Ditsambou V, Mba JR, Meyo SM, Kitengue J. Sickle-cell disease in children in Gabon. *Archives De Pediatrie* 1996; **3**(7): 668-74. | Did not meet inclusion criteria |
| 53. | Topley JM, Cupidore L, Vaidya S, Hayes RJ, Serjeant GR. Pneumococcal and other infections in children with sickle-cell hemoglobin C (SC) disease. *J Pediatr* 1982; **101**(2): 176-9. | Did not meet inclusion criteria |
| 54. | Urtti S, Roine I, Kyaw MH, et al. Malaria vs. bacterial meningitis in children with spinal tap in the Luanda Children's Hospital, Angola. *Open Forum Infectious Diseases* 2018; **5**(Supplement 1): S131. | Did not meet inclusion criteria |
| 55. | Van-Dunem JC, Alves JG, Bernardino L, et al. Factors associated with sickle cell disease mortality among hospitalized Angolan children and adolescents. *West Afr J Med* 2007; **26**(4): 269-73. | Did not meet inclusion criteria |
| 56. | Wong WY, Powars DR, Chan L, Hiti A, Johnson C, Overturf G. POLYSACCHARIDE ENCAPSULATED BACTERIAL-INFECTION IN SICKLE-CELL-ANEMIA - A 30-YEAR EPIDEMIOLOGIC EXPERIENCE. *American Journal of Hematology* 1992; **39**(3): 176-82. | Did not meet inclusion criteria |
| 57. | Wright J, Thomas P, Serjeant GR. Septicemia caused by Salmonella infection: an overlooked complication of sickle cell disease. *J Pediatr* 1997; **130**(3): 394-9. | Did not meet inclusion criteria |
| 58. | Wertalik L, Matoin K, Waterman G, Dick R, Boucher M. Improving time-to-antibiotics for febrile pediatric patients with sickle cell disease. *Pediatric Blood and Cancer* 2019; **66**(Supplement 2): S265. | Did not meet inclusion criteria |