

References - Understanding Pediatric Lab Values Module

[Note: Only the most useful references are listed here. Multiple more were accessed, but the following references provide the most clinically useful content.]

Derbew HM, Kebede T, Teferi S, Otero HJ. Inadvertent Thyroid Radiation During Computed Tomography of the Chest: A Retrospective Study. *Ethiop J Health Sci.* 2023 Mar;*33*(2):321-326. doi: 10.4314/ejhs.v33i2.17. PMID: 37484167; PMCID: PMC10358389.

Vestergaard P, Mosekilde L. Fractures in patients with hyperthyroidism and hypothyroidism: a nationwide follow-up study in 16,249 patients. *Thyroid.* 2002; 12 (5):411

Ganesan K, Anastasopoulou C, Wadud K. Euthyroid Sick Syndrome. [Updated 2022 Dec 8]. In: *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK482219/>

Hutter JJ. Childhood leukemia. *Pediatr Rev.* 2010 Jun;*31*(6):234-41. doi: 10.1542/pir.31-6-234. PMID: 20516235.

York, Teresa, MD. "How to Recognize Early Signs of Pediatric Leukemia." University of Maryland Medical Center. 10 April 2024.
<https://www.umms.org/ummc/pros/physician-briefs/pediatrics/pediatric-hematology-and-oncology/webcast-pediatric-leukemia>

Cetinkaya PG, Aytakin ES, Esenboga S, Cagdas D, Sahiner UM, Sekerel BE, Soyer O. Eosinophilia in children: characteristics, etiology and diagnostic algorithm. *Eur J Pediatr.* 2023 Jun;*182*(6):2833-2842. doi: 10.1007/s00431-023-04961-x. Epub 2023 Apr 12. PMID: 37041294.

Burris D, Rosenberg CE, Schwartz JT, Zhang Y, Eby MD, Abonia JP, Fulkerson PC. Pediatric Hypereosinophilia: Characteristics, Clinical Manifestations, and Diagnoses. *J Allergy Clin Immunol Pract.* 2019 Nov-Dec;*7*(8):2750-2758.e2. doi: 10.1016/j.jaip.2019.05.011. Epub 2019 May 22. PMID: 31128377; PMCID: PMC6842676.

Moosmann J, Krusemark A, Dittrich S, Ammer T, Rauh M, Woelfle J, Metzler M, Zierk J. Age- and sex-specific pediatric reference intervals for neutrophil-to-lymphocyte ratio, lymphocyte-to-monocyte ratio, and platelet-to-lymphocyte ratio. *Int J Lab Hematol.* 2022 Apr;*44*(2):296-301. doi: 10.1111/ijlh.13768. Epub 2021 Nov 23. PMID: 34816610.

Nicoară DM, Munteanu AI, Scutca AC, Brad GF, Jugănar I, Bugi MA, Asproni R, Mărginean O. Examining the Relationship between Systemic Immune-Inflammation Index and Disease

Severity in Juvenile Idiopathic Arthritis. *Cells*. 2024 Mar 3;13(5):442. doi: 10.3390/cells13050442. PMID: 38474406; PMCID: PMC10930446.

Cox C, Patel K, Cantu R, Akmyradov C, Irby K. Hypokalemia Measurement and Management in Patients With Status Asthmaticus on Continuous Albuterol. *Hosp Pediatr*. 2022 Feb 1;12(2):198-204. doi: 10.1542/hpeds.2021-006265. PMID: 35018439.

Stokes VJ, Nielsen MF, Hannan FM, Thakker RV. Hypercalcemic Disorders in Children. *J Bone Miner Res*. 2017 Nov;32(11):2157-2170. doi: 10.1002/jbmr.3296. Epub 2017 Nov 2. PMID: 28914984; PMCID: PMC5703166.

Costa JM, Pinto SM, Santos-Silva E, Moreira-Silva H. Incidental hypertransaminasemia in children—a stepwise approach in primary care. *Eur J Pediatr*. 2023 Apr;182(4):1601-1609. doi: 10.1007/s00431-023-04825-4. Epub 2023 Jan 26. PMID: 36697884; PMCID: PMC9877494.

Patel S, Sharma S. Respiratory Acidosis. [Updated 2023 Jun 12]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK482430/>

Horowitz IN, Tai K. Hypoalbuminemia in Critically Ill Children. *Arch Pediatr Adolesc Med*. 2007;161(11):1048–1052. doi:10.1001/archpedi.161.11.1048

Afzal M, Kathuria P. Familial Hypocalciuric Hypercalcemia. [Updated 2023 Jul 17]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK459190/>

Dawrant J, Pacaud D. Pediatric hypocalcemia: making the diagnosis. *CMAJ*. 2007 Dec 4;177(12):1494-7. doi: 10.1503/cmaj.070236. PMID: 18056596; PMCID: PMC2096479.

Centor RM. Serum Total Carbon Dioxide. In: Walker HK, Hall WD, Hurst JW, editors. *Clinical Methods: The History, Physical, and Laboratory Examinations*. 3rd edition. Boston: Butterworths; 1990. Chapter 196. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK308/>

Justiz Vaillant AA, Wilson AM. Transient Hypogammaglobulinemia of Infancy. [Updated 2023 Sep 4]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK544356/>

Cannalire G, Pilloni S, Esposito S, Biasucci G, Di Franco A, Street ME. Alkaline phosphatase in clinical practice in childhood: Focus on rickets. *Front Endocrinol (Lausanne)*. 2023 Feb 2;14:1111445. doi: 10.3389/fendo.2023.1111445. PMID: 36817604; PMCID: PMC9931734.

Pakniyat A, Yousefichaijan P. Evaluation and management of children with acute kidney injury in emergency department. *J Nephroarmacol*. 2015 Mar 9;4(2):83-84. PMID: 28197486; PMCID: PMC5297493.

Zhang J, Muldoon MF, McKeown RE, Cuffe SP. Association of Serum Cholesterol and History of School Suspension among School-age Children and Adolescents in the United States. *American Journal of Epidemiology*. 2005;161(7):691-699.

Gordon S, Sethna C, Frank R, et al. BUN: Creatinine Ratio - Definition of the Normal Range in Children. *Nephrology Research & Reviews*. 2010;2(1):49-52. doi:10.4081/nr.2010.e11

Suarez EC. Relations of trait depression and anxiety to low lipid and lipoprotein concentrations in healthy young adult women. *Psychosom Med*. 1999 May-Jun;61(3):273-9. doi: 10.1097/00006842-199905000-00004. PMID: 10367605.

Tierney E, Remaley AT, Thurm A, Jager LR, Wassif CA, Kratz LE, Bailey-Wilson JE, Bukelis I, Sarphare G, Jung ES, Brand B, Noah KK, Porter FD. Sterol and lipid analyses identifies hypolipidemia and apolipoprotein disorders in autism associated with adaptive functioning deficits. *Transl Psychiatry*. 2021 Sep 9;11(1):471. doi: 10.1038/s41398-021-01580-8. PMID: 34504056; PMCID: PMC8429516.