

- **Research and Publications**

Research is essential to our department. Our research portfolio has steadily grown every year and reflect a wide variety of academic interests. Our focus has primarily been on clinical research concerning all aspects of pediatric diseases.

Department publications in the previous 6 years

2021 Publications

Serum adiponectin, body adiposity and metabolic parameters in obese Egyptian children with Down syndrome

Yahia S, El-Farahaty R, El-Gilany AH, Shoaib R, Ramadan R, Salem N. J Pediatr Endocrinol Metab. 2021 Aug 4. doi: 10.1515/jpem-2021-0324. Epub ahead of print. PMID: 34348423.

Genetic Polymorphisms in Genes Involved in the Type I Interferon System (IFIH1/MDA-5, TNFAIP3/A20, and STAT4): Association with SLE Risk in Egyptian Children and Adolescents.

Zedan MM, Attia ZR, Abd El Azeem RA, Mutawi TM, El Shehawy AS, Bakr A. J Inflamm Res. 2021 Jul 15;14:3349-3358. doi: 10.2147/JIR.S309008. PMID: 34290519; PMCID: PMC8289366.

Size-adjustment techniques of lumbar spine dual energy X-ray absorptiometry measurements in assessing bone mineralization in children on maintenance hemodialysis.

Salem N, Bakr A. J Pediatr Endocrinol Metab. 2021 Jul 19. doi: 10.1515/jpem-2021-0081. Epub ahead of print. PMID: 34273916.

Cardiac implications of multisystem inflammatory syndrome associated with COVID-19 in children under the age of 5 years.

Rakha S, Sobh A, Hager AH, Hafez M, Alsawah GA, Abuelkheir MM, Zeid MS, Nahas M, Elmarsafawy H. Cardiol Young. 2021 Jul 15:1-6. doi:

10.1017/S1047951121003140. Epub ahead of print. PMID: 34261560; PMCID: PMC8353211.

Intracranial haemorrhage associated with Vitamin K deficiency in Egyptian infants.

Elalfy M, Eltonbary K, Elalfy O, Gadallah M, Zidan A, Abdel-Hady H. Acta Paediatr. 2021 Jun 30. doi: 10.1111/apa.16011. Epub ahead of print. PMID: 34196053.

Tumor necrosis factor receptor II and PTPN22 genes polymorphisms and the risk of systemic lupus erythematosus in Egyptian children

Eid R, Hammad A, Abdelsalam M, Fathy AA, Abd-El Ghafaar DM, Elmarghany EB, El-Hanafy AA, Mostafa N, Niazey NA, Korkor MS, Hamdy N.. Lupus. 2021 Aug;30(9):1449-1458. doi: 10.1177/09612033211020359. Epub 2021 Jun 3. PMID: 34080911.

Left Ventricular Strain Analysis by Tissue Tracking- Cardiac Magnetic Resonance for early detection of Cardiac Dysfunction in children with End-Stage Renal Disease

Sobh DM, Batouty NM, Tawfik AM, Gadelhak B, Elmokadem AH, Hammad A, Eid R, Hamdy N.. J Magn Reson Imaging. 2021 May 26. doi: 10.1002/jmri.27700. Epub ahead of print. PMID: 34037288.

Epicardial and Perihepatic Fat as Cardiometabolic Risk Predictors in Girls with Turner Syndrome: A Cardiac Magnetic Resonance Study.

Salem NA, Batouty NM, Tawfik AM, Sobh DM, Gadelhak B, Hendawy SR, Laimon W. J Clin Res Pediatr Endocrinol. 2021 May 20. doi: 10.4274/jcrpe.galenos.2021.2021.0030. Epub ahead of print. PMID: 34013713.

Effect of cerebrolysin on neurodevelopmental outcome of high risk preterm infants: A randomized controlled trial.

Samir A, Nasef N, Fathy K, El-Gilany AH, Yahia S. J Neonatal Perinatal Med. 2021 Apr 28. doi: 10.3233/NPM-200659. Epub ahead of print. PMID: 33935111.

Diffusion tensor imaging of the spleen in prediction and grading of esophageal varices in cirrhotic children with portal hypertension.

Razek AAKA, Hafez MM, Mahmoud W, Ismail AR, Ali KM, Barakat TE. Jpn J Radiol. 2021 Apr 29. doi: 10.1007/s11604-021-01123-7. Epub ahead of print. PMID: 33914254.

Assessment of bone mineral density in children with congenital cyanotic heart disease.

Elsharkawy AA, El-Hawary AK, Alsawah GA, Aboelenin HM, Awad MH. Cardiol Young. 2021 Apr 26:1-6. doi: 10.1017/S1047951121001554. Epub ahead of print. PMID: 33896435.

ARID5B rs10821936 and rs10994982 gene polymorphism and susceptibility to juvenile systemic lupus erythematosus and lupus nephritis.

Mosaad YM, Hammad A, AlHarrass MF, Sallam R, Shouma A, Hammad E, Ahmed EO, Abdel-Azeem HA, Sherif D, Fawzy I, Elbahnasawy A, Abdel Twab H. Lupus. 2021 Jul;30(8):1226-1232. doi: 10.1177/09612033211010338. Epub 2021 Apr 22. PMID: 33888010.

Polymorphisms of interleukin 4 and interleukin 4 receptor genes and bronchial asthma risk among Egyptian children.

Elsaid A, Shoaib RMS, Badr SS, Wahba Y, Ayyad SN. Clin Biochem. 2021 Jul;93:66-72. doi: 10.1016/j.clinbiochem.2021.04.006. Epub 2021 Apr 20. PMID: 33861987.

Association between Toxoplasma gondii infection and metabolic syndrome in obese adolescents: A possible immune-metabolic link.

Salem DA, Salem NA, Hendawy SR. Parasitol Int. 2021 Aug;83:102343. doi: 10.1016/j.parint.2021.102343. Epub 2021 Apr 5. PMID: 33831579.

Genetic variability of CYP2D6, CYP3A4 and CYP3A5 among the Egyptian population.

Mutawi TM, Zedan MM, Yahya RS, Zakria MM, El-Sawi MR, Gaedigk A. Pharmacogenomics. 2021 Apr;22(6):323-334. doi: 10.2217/pgs-2020-0140. Epub 2021 Apr 1. PMID: 33789449.

Effectiveness of stenting and subsequent re-implantation of disconnected pulmonary artery to restore the pulmonary hemodynamics.

Khoshhal S, Al-Mutairi M, Morsy M, Kreary N, Alnajjar A, Abo-Haded H. Pediatr Investig. 2021 Mar 22;5(1):65-68. doi: 10.1002/ped4.12251. PMID: 33778430; PMCID: PMC7984012.

Prophylactic versus therapeutic caffeine for apnea of prematurity: a randomized controlled trial.

Elmowafi M, Mohsen N, Nour I, Nasef N. J Matern Fetal Neonatal Med. 2021 Mar 26:1-9. doi: 10.1080/14767058.2021.1904873. Epub ahead of print. PMID: 33771081.

Genetic association between interleukin-10 gene rs1518111 and rs3021094 polymorphisms and risk of type 1 diabetes and diabetic nephropathy in Egyptian children and adolescents.

El Helaly RM, Elzehery RR, El-Emam OA, El Domiaty HA, Elbohy WR, Aboelenin HM, Salem NA. Pediatr Diabetes. 2021 Jun;22(4):567-576. doi: 10.1111/pedi.13201. Epub 2021 Apr 2. PMID: 33745199.

Pan-vasculitis and fulminant hepatitis following routine vaccination at the age of 4 months.

Awad MH, El-Hawary A, Sawah G, Nasef N. Clin Exp Vaccine Res. 2021 Jan;10(1):78-80. doi: 10.7774/cevr.2021.10.1.78. Epub 2021 Jan 31. PMID: 33628757; PMCID: PMC7892943.

Evaluation of carotid artery access in comparison with femoral artery access in neonatal percutaneous stenting of ductus arteriosus.

Alsawah GA, Elmarsafawy H, Hafez M, Rakha S. *Cardiol Young*. 2021 Feb 18:1-7. doi: 10.1017/S1047951121000469. Epub ahead of print. PMID: 33597066.

On-admission plasma levels of BNP, MR-proADM, and cTnI in pediatric heart failure: contributions to diagnosis, prognosis, and outcome.

Salem SS, Saleh NY, Soliman SE, Abo-Haded HM. *Ir J Med Sci*. 2021 Feb 9. doi: 10.1007/s11845-021-02533-2. Epub ahead of print. PMID: 33564973.

Clinical characteristics, outcome, and predictors of neurological sequelae of persistent congenital hyperinsulinism: A single tertiary center experience.

Laimon W, Aboelenin HM, El Tantawi NT. *Pediatr Diabetes*. 2021 May;22(3):388-399. doi: 10.1111/pedi.13186. Epub 2021 Feb 15. PMID: 33528087.

Intracranial hemorrhage in primary immune thrombocytopenia (ITP): 20 years' experience in pediatrics.

Elalfy MS, Eltonbary KYEM, El Ghamry IR, Elalfy O, Wahid M, Badr M, Hassan T, Mansour A, Meabed M, El-Hawy M, Youssry I, Abd Elhady M, Elshanshory M, Elsayh K, Hassab HM. *Eur J Pediatr*. 2021 May;180(5):1545-1552. doi: 10.1007/s00431-020-03923-x. Epub 2021 Jan 15. PMID: 33452569.

Primary Epstein-Barr Virus Infection in Healthy Children in Saudi Arabia: A Single Hospital-Based Study.

Zaki A. *J Trop Pediatr*. 2021 Jan 29;67(1):fmaa121. doi: 10.1093/tropej/fmaa121. PMID: 33351945.

Changes in Liver Stiffness and Noninvasive Fibrosis Scores in Egyptian Adolescents Successfully Treated with Ledipasvir-Sofosbuvir for Chronic Hepatitis C Virus Infection.

Fahmy DM, Shokeir M, El Zeiny SM, Jonas MM, Abdallah A. *J Pediatr*. 2021 Apr;231:110-116. doi: 10.1016/j.jpeds.2020.12.031. Epub 2020 Dec 22. PMID: 33347957.

Cognitive impairment in children with chronic Hepatitis C Virus: Case control study.

Ibrahim IM, Haikal A, Ali KM, AlSayed MAL, Barakat TE. Clin Child Psychol Psychiatry. 2021 Apr;26(2):381-392. doi: 10.1177/1359104520974434. Epub 2020 Dec 16. PMID: 33325269.

Double left brachiocephalic veins with vascular ring and normal intracardiac anatomy: Prenatal diagnosis of a rare association.

Rakha S, Batouty NM. Echocardiography. 2021 Jan;38(1):123-127. doi: 10.1111/echo.14947. Epub 2020 Dec 11. PMID: 33305397.

Single-nucleotide polymorphisms (SNPs) of antioxidant enzymes SOD2 and GSTP1 genes and SLE risk and severity in an Egyptian pediatric population.

Abd El Azeem RA, Zedan MM, Saad EA, Mutawi TM, Attia ZR. Clin Biochem. 2021 Feb;88:37-42. doi: 10.1016/j.clinbiochem.2020.11.010. Epub 2020 Nov 29. PMID: 33264651.

Cortactin Expression is a Novel Biomarker for Risk Stratification of T-Cell Acute Lymphoblastic Leukemia

Aref S, Fawzy E, Darwish A, Aref M, Agdar MA.. J Pediatr Hematol Oncol. 2021 Aug 1;43(6):e798-e803. doi: 10.1097/MPH.0000000000002010. PMID: 33235155.

Reply to the correspondence letter by Alonso-Ojembarrena, Almudena and Oulego-Erroz, Ignacio: How to improve precision and reliability of diaphragm ultrasonographic measurements in newborns.

Abdel-Hady H, Bahgat E, El-Halaby H, Abdelrahman A, Nasef N. Eur J Pediatr. 2021 Apr;180(4):1325-1326. doi: 10.1007/s00431-020-03874-3. Epub 2020 Nov 13. PMID: 33185781; PMCID: PMC7661805.

Nonimmune hydrops fetalis management from the perspective of fetal cardiologists: A single tertiary center experience from Egypt.

Rakha S, Elmarsafawy H. J Neonatal Perinatal Med. 2021;14(2):237-244. doi: 10.3233/NPM-200491. PMID: 33074198.

2020 publications

Risk Factors and Predictors of Rebound Hyperbilirubinemia in a Term and Late-Preterm Infant with Hemolysis

Almohammadi H, Nasef N, Al-Harbi A, Saidy K, Nour I. Am J Perinatol. 2020 Nov 23. doi: 10.1055/s-0040-1718946. Epub ahead of print. PMID: 33231268.

Value of Galectin-3 assay in children with heart failure secondary to congenital heart diseases: a prospective study.

Saleh N, Khattab A, Rizk M, Salem S, Abo-Haded H. BMC Pediatr. 2020 Nov 28;20(1):537. doi: 10.1186/s12887-020-02427-9. PMID: 33248453; PMCID: PMC7697383.

Postdiarrheal hemolytic uremic syndrome in Egyptian children: An 11-year single-center experience.

Eid R, Bakr A, Elmougy A, Zedan MM, Allam NA, Sarhan A, Hammad A, El-Refaey AM, Hamdy N. Saudi J Kidney Dis Transpl. 2020 Nov-Dec;31(6):1376-1387. doi: 10.4103/1319-2442.308349. PMID: 33565450.

Prevalence of Helicobacter pylori infection among children with primary nephrotic syndrome: a cross-sectional study

Mahmoud A, Bakr A, Elsaid A, Wahba Y. Afr Health Sci. 2020 Dec;20(4):1624-1631. doi: 10.4314/ahs.v20i4.15. PMID: 34394223; PMCID: PMC8351824.

Molecular study of human astrovirus in Egyptian children with acute gastroenteritis.

El Sayed Zaki M, Mashaly GE, Alsayed MAL, Nomir MM. Germs. 2020 Sep 1;10(4):167-173. doi: 10.18683/germs.2020.1202. eCollection 2020 Sep. PMID: 33134194

Cyclin D1 G870A Polymorphism: Relation to the Risk of ALL Development, Prognosis Impact, and Methotrexate Cytotoxicity.

El Menshawy N, El Marghany AB, Sarhan MM, Aladle DA. Asian Pac J Cancer Prev. 2020 Oct 1;21(10):2941-2947. doi: 10.31557/APJCP.2020.21.10.2941. PMID: 33112552

Nonimmune hydrops fetalis management from the perspective of fetal cardiologists: A single tertiary center experience from Egypt.

Rakha S, Elmarsafawy H.J Neonatal Perinatal Med. 2020 Oct 10. doi: 10.3233/NPM-200491. Online ahead of print. PMID: 33074198

"Fenofibrate as an adjuvant to phototherapy in pathological unconjugated hyperbilirubinemia in neonates: a randomized control trial."

Awad MH, Amer S, Hafez M, Nour I, Shabaan A.J Perinatol. 2020 Oct 17. doi: 10.1038/s41372-020-00861-2. Online ahead of print. PMID: 33070152

Implementation of a protocol-based strategy for weaning nasal high flow therapy in preterm infants.

Abobakr M, Abdalla A, Barakat T, Abdel-Hady H. Pediatr Pulmonol. 2020 Oct 9. doi: 10.1002/ppul.25108. Online ahead of print. PMID: 33034941

Burden of family caregivers of Down syndrome children: a cross-sectional study.

Alam El-Deen N, Alwakeel AA, El-Gilany AH, Wahba Y. Fam Pract. 2020 Oct 1; cmaa097. doi: 10.1093/fampra/cmaa097. Online ahead of print. PMID: 33011802

Transcatheter device closure of ventricular septal defects in children: a retrospective study at a single cardiac center.

Khoshhal SQ, Al-Mutairi MB, Alnajjar AA, Morsy MM, Salem SS, Al-Muhaya M, El-Harbi KM, Abo-Haded HM. Ann Saudi Med. 2020 Sep-Oct;40(5):396-402. doi: 10.5144/0256-4947.2020.396. Epub 2020 Oct 1. PMID: 33007168

Sonographic evaluation of diaphragmatic thickness and excursion as a predictor for successful extubation in mechanically ventilated preterm infants.

Bahgat E, El-Halaby H, Abdelrahman A, Nasef N, Abdel-Hady H. Eur J Pediatr. 2020 Sep 28;1-10. doi: 10.1007/s00431-020-03805-2. Online ahead of print. PMID: 32986125

Prepubertal gynecomastia is not always idiopathic: case series and review of the literature.

Laimon W, El-Hawary A, Aboelenin H, Elzohiri M, Abdelmaksoud S, Megahed N, Salem N. Eur J Pediatr. 2020 Sep 25. doi: 10.1007/s00431-020-03799-x. Online ahead of print. PMID: 32975593

One and half coblation supraglottoplasty: A novel technique for management of type II laryngomalacia.

AbdelFattah ElSobki A, Hashish MI, El-Kholy NA. Int J Pediatr Otorhinolaryngol. 2020 Nov;138:110330. doi: 10.1016/j.ijporl.2020.110330. Epub 2020 Aug 27. PMID: 32889439

Obstructed infracardiac total anomalous pulmonary venous connection: The challenge of palliative stenting for the stenotic vertical vein.

Al-Mutairi M, Aselan A, Al-Muhaya M, Abo-Haded H. Pediatr Investig. 2020 Jun 24;4(2):141-144. doi: 10.1002/ped4.12204. eCollection 2020 Jun. PMID: 32851359

Awareness assessment for parents of children with congenital heart diseases regarding fetal echocardiography.

Rakha S. Turk J Pediatr. 2020;62(4):569-577. doi: 10.24953/turkjpmed.2020.04.006. PMID: 32779409.

IKZF1 rs4132601 and rs11978267 Gene Polymorphisms and Acute Lymphoblastic Leukemia: Relation to Disease Susceptibility and Outcome.

Mosaad YM, El-Ziny MA, Darwish A, Al-Harrass M, Abdmabood S, Fawzy IM, Sherif DM, Yakoub MG, Abdeltawab H.J *Pediatr Hematol Oncol.* 2020 Oct;42(7):420-428. doi: 10.1097/MPH.0000000000001874.PMID: 32769565

Erratum: Nasogastric versus Orogastric Bolus Tube Feeding in Preterm Infants: Pilot Randomized Clinical Trial.

Badran AT, Hashish M, Ali A, Shokeir MA, Shaaban A.*Am J Perinatol.* 2020 Aug 3. doi: 10.1055/s-0040-1714720. Online ahead of print.PMID: 32746473

Screening for the Most Common Mutations of *CFTR* Gene among Egyptian Children with Difficult-to-Treat Asthma.

Al-Haggar M, Osman E, Eid AR, Barakat T, El-Morsi S.*J Pediatr Genet.* 2020 Sep;9(3):164-170. doi: 10.1055/s-0040-1701446. Epub 2020 Feb 3.PMID: 32714616

CD40 and CD72 expression and prognostic values among children with systemic lupus erythematosus: a case-control study.

Asmiyou A, Bakr AM, Shahin DA, Wahba Y.*Lupus.* 2020 Sep;29(10):1270-1276. doi: 10.1177/0961203320941931. Epub 2020 Jul 22.PMID: 32700598

CYP2C9 (*2&*3) and CYP2C19 (*2&*3) polymorphisms among children with nonlesional epilepsy: a single-center study.

Eltalal S, El Ayouty M, El-Said A, Wahba Y.*Acta Neurol Belg.* 2020 Jul 18. doi: 10.1007/s13760-020-01442-y. Online ahead of print.PMID: 32683556

Effect of tactile/kinesthetic massage therapy on growth and body composition of preterm infants.

Elmoneim MA, Mohamed HA, Awad A, El-Hawary A, Salem N, El Helaly R, Nasef N, Abdel-Hady H.*Eur J Pediatr.* 2020 Jul 14. doi: 10.1007/s00431-020-03738-w. Online ahead of print.PMID: 32666281

Prevalence of hepatitis E virus in children with acute hepatitis: one Egyptian center study.

Zaki MES, Alsayed MAL, Abbas HRR, Ahmed DM, Ashry AYE. *Germs*. 2020 Jun 2;10(2):88-94. doi: 10.18683/germs.2020.1189. eCollection 2020 Jun. PMID: 32656105

Fetal diagnosis of isolated absent pulmonary valve with intact interventricular septum: How to counsel the parents?

Rakha S, Alkhusi N. *Ann Pediatr Cardiol*. 2020 Apr-Jun;13(2):136-140. doi: 10.4103/apc.APC_101_19. Epub 2020 Mar 30. PMID: 32641885

Effect of delayed cord clamping on stem cell transfusion and hematological parameters in preterm infants with placental insufficiency: a pilot randomized trial.

Yunis M, Nour I, Gibreel A, Darwish M, Sarhan M, Shouman B, Nasef N. *Eur J Pediatr*. 2020 Jul 4. doi: 10.1007/s00431-020-03730-4. Online ahead of print. PMID: 32623628

Nasogastric versus Orogastric Bolus Tube Feeding in Preterm Infants: Pilot Randomized Clinical Trial.

Badran AT, Hashish M, Ali A, Shokeir M, Shabaan A. *Am J Perinatol*. 2020 Jul 3. doi: 10.1055/s-0040-1713865. Online ahead of print. PMID: 32620020

Correction: Polymorphism in Macrophage Migration Inhibitory Factor -173GC in Pediatric Patients with Autoimmune Hepatitis.

Alsayed MAL, Elbeah SM, El-Desoky MM, Elziny SM, Megahed A. *Pediatr Gastroenterol Hepatol Nutr*. 2020 May;23(3):310. doi: 10.5223/pghn.2020.23.3.310. Epub 2020 May 8. PMID: 32483553

Effect of Oropharyngeal Administration of Mother's Milk Prior to Gavage Feeding on Gastrin, Motilin, Secretin, and Cholecystokinin Hormones in Preterm Infants: A Pilot Crossover Study.

Mohammed AR, Eid AR, Elzehery R, Al-Harrass M, Shouman B, Nasef N. *JPEN J Parenter Enteral Nutr*. 2020 May 26. doi: 10.1002/jpen.1935. Online ahead of print. PMID: 32458450

Practical aspects on the use of non-invasive respiratory support in preterm infants.

Nasef N, Rashed HM, Aly H. *Int J Pediatr Adolesc Med.* 2020 Mar;7(1):19-25. doi: 10.1016/j.ijpam.2020.02.005. Epub 2020 Feb 18. PMID: 32373698

Angiotensin-converting enzyme insertion/deletion (ACE I/D) gene polymorphism in Egyptian children with congenital heart disease.

Saleh NY, Salem SS, Abo-El Fotoh WM, Soliman SE, Abo-Haded HM. *Birth Defects Res.* 2020 Aug;112(13):963-969. doi: 10.1002/bdr2.1700. Epub 2020 Apr 28. PMID: 32343056

Urinary Cyclophilin A and serum Cystatin C as biomarkers for diabetic nephropathy in children with type 1 diabetes.

Salem NA, El Helaly RM, Ali IM, Ebrahim HAA, Alayooti MM, El Domiaty HA, Aboelenin HM. *Pediatr Diabetes.* 2020 Aug;21(5):846-855. doi: 10.1111/peidi.13019. Epub 2020 Apr 28. PMID: 32304131

Study of the diagnostic value of interleukin-6 and interleukin-8 in children with acute gastroenteritis.

Zaki MES, Alsayed MAL, Shrief R. *Germs.* 2020 Mar 2;10(1):27-33. doi: 10.18683/germs.2020.1182. eCollection 2020 Mar. PMID: 32274357

Pediatric glomerular hematuria: a clinicopathological study.

Moustafa FE, Eid R, Hamdy N. *Clin Exp Nephrol.* 2020 Jul;24(7):613-621. doi: 10.1007/s10157-020-01872-1. Epub 2020 Mar 20. PMID: 32198715

Cluster of Differentiation 96 in Children with Acute Leukemia: A Single Center Cohort Study.

Mohammad H, Wahba Y, Gouida M, Shaltout A. *Indian J Hematol Blood Transfus.* 2020 Jan;36(1):178-182. doi: 10.1007/s12288-019-01145-2. Epub 2019 Jun 5. PMID: 32174696

Health-related quality of life in Egyptian children with nephrotic syndrome.

Eid R, Fathy AA, Hamdy N. *Qual Life Res.* 2020 Aug;29(8):2185-2196. doi: 10.1007/s11136-020-02438-0. Epub 2020 Feb 3. PMID: 32016684

Polymorphism in Macrophage Migration Inhibitory Factor -173GC in Pediatric Patients with Autoimmune Hepatitis.

Alsayed MAL, Elbeah SM, El-Desoky MM, Elziny SM, Megahed A. *Pediatr Gastroenterol Hepatol Nutr.* 2020 Jan;23(1):63-71. doi: 10.5223/pghn.2020.23.1.63. Epub 2020 Jan 8. PMID: 31988876

Severe combined immunodeficiency caused by inositol-trisphosphate 3-kinase B (ITPKB) deficiency.

Almutairi A, Wallace JG, Jaber F, Alosaimi MF, Jones J, Sallam MTH, Elnagdy MH, Chou J, Sobh A, Geha RS. *J Allergy Clin Immunol.* 2020 Jun;145(6):1696-1699.e6. doi: 10.1016/j.jaci.2020.01.014. Epub 2020 Jan 25. PMID: 31987846

Genotype and functional correlates of disease phenotype in deficiency of adenosine deaminase 2 (DADA2).

Lee PY, Kellner ES, Huang Y, Furutani E, Huang Z, Bainter W, Alosaimi MF, Stafstrom K, Platt CD, Stauber T, Raz S, Tirosh I, Weiss A, Jordan MB, Krupski C, Eleftheriou D, Brogan P, Sobh A, Baz Z, Lefranc G, Irani C, Kilic SS, El-Owaidy R, Lokeshwar MR, Pimpale P, Khubchandani R, Chambers EP, Chou J, Geha RS, Nigrovic PA, Zhou Q. *J Allergy Clin Immunol.* 2020 Jun;145(6):1664-1672.e10. doi: 10.1016/j.jaci.2019.12.908. Epub 2020 Jan 13. PMID: 31945408

DOCK8 is essential for LFA-1-dependent positioning of T follicular helper cells in germinal centers.

Janssen E, Tohme M, Butts J, Giguere S, Sage PT, Velázquez FE, Kam C, Milin E, Das M, Sobh A, Al-Tamemi S, Luscinskas FW, Batista F, Geha RS. *JCI Insight.* 2020 Aug 6;5(15):e134508. doi: 10.1172/jci.insight.134508. PMID: 32573493

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Lum SH, Selvarajah S, Deya-Martinez A, McNaughton P, Sobh A, Waugh S, Burton-Fanning S, Newton L, Gandy J, Nademi Z, Owens S, Williams E, Emonts M, Flood T, Cant A, Abinun M, Hambleton S, Gennery AR, Slatter M. *J Allergy Clin Immunol.* 2020 Aug;146(2):406-416. doi: 10.1016/j.jaci.2020.04.053. Epub 2020 May 19. PMID: 32442647

Histopathologic Endoscopic Concordance of Pediatric Duodenal Biopsy; How to Be Improved?

Ali KM, Zalata KR, Barakat T. Fetal Pediatr Pathol. 2020 Jan 25;1-12. doi: 10.1080/15513815.2020.1716902. Online ahead of print. PMID: 31984824

Changes of cardiac functions after hemodialysis session in pediatric patients with end-stage renal disease: conventional echocardiography and two-dimensional speckle tracking study.

Rakha S, Hafez M, Bakr A, Hamdy N. Pediatr Nephrol. 2020 May;35(5):861-870. doi: 10.1007/s00467-019-04460-y. Epub 2020 Jan 10. PMID: 31925535

Assessment of quality of life among parents of children with congenital heart disease using WHOQOL-BREF: a cross-sectional study from Northwest Saudi Arabia.

Khoshhal S, Al-Harbi K, Al-Mozainy I, Al-Ghamdi S, Aselan A, Allugmani M, Salem S, El-Agamy D, Abo-Haded H. Health Qual Life Outcomes. 2019 Dec 16;17(1):183. doi: 10.1186/s12955-019-1249-z. PMID: 31842888

Coagulation of the lateral surface of aryepiglottic folds as an alternative to aryepiglottic fold release in management of type 2 laryngomalacia.

El-Kholy NA, Hashish MI, ElSobki AA. Auris Nasus Larynx. 2020 Jun;47(3):443-449. doi: 10.1016/j.anl.2019.10.004. Epub 2019 Oct 31. PMID: 31677853

Selective head cooling and acute kidney injury in neonates with hypoxic ischemic encephalopathy.

Nour I, Elmaghraby R, Shehata R, El-Refaey A, Aldomiaty H, Mosbah A, Shouman B, Nasef N. J Neonatal Perinatal Med. 2020;13(1):21-30. doi: 10.3233/NPM-180200. PMID: 31561395

Neurocutaneous melanosis is not always a benign disease.

El Mabood SA, Wahba Y, Yahia S, Sarhan MM, Mansour AK, Provenzano A, Elmahdi HS, Darwish A. Indian J Dermatol Venereol Leprol. 2020 May-Jun;86(3):335. doi: 10.4103/ijdv.IJDVL_456_18. PMID: 31512584

Treatment outcomes of children with acute lymphoblastic leukemia in a middle-income developing country: high mortalities, early relapses, and poor survival.

Abdelmabood S, Fouda AE, Boujettif F, Mansour A. J Pediatr (Rio J). 2020 Jan-Feb;96(1):108-116. doi: 10.1016/j.jpeds.2018.07.013. Epub 2018 Sep 18. PMID: 30240631

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