



Twin Research Publications Mai 2020

1. Alnæs D, Kaufmann T, Marquand AF, Smith SM, Westlye LT. **Patterns of sociocognitive stratification and perinatal risk in the child brain** Proc Natl Acad Sci U S A. 2020 Jun 2;117(22):12419-12427. doi: 10.1073/pnas.2001517117. Epub 2020 May 14.
<https://doi.org/10.1073/pnas.2001517117>
2. Andreucci A, Madrid-Valero JJ, Ferreira PH, Ordoñana JR. **Sleep quality and chronic neck pain: a cotwin study** J Clin Sleep Med. 2020 May 15;16(5):679-687. doi: 10.5664/jcsm.8316. Epub 2020 Feb 6.
<https://doi.org/10.5664/jcsm.8316>
3. Annese V. **Genetics and epigenetics of ibd** Pharmacol Res. 2020 May 25:104892. doi: 10.1016/j.phrs.2020.104892. Online ahead of print.
<https://doi.org/10.1016/j.phrs.2020.104892>
4. Antonakopoulos N, Pateisky P, Liu B, Kalafat E, Thilaganathan B, Khalil A. **Selective Fetal Growth Restriction in Dichorionic Twin Pregnancies: Diagnosis, Natural History, and Perinatal Outcome** J Clin Med. 2020 May 9;9(5):E1404. doi: 10.3390/jcm9051404.
<https://doi.org/10.3390/jcm9051404>
5. Arbet J, McGue M, Basu S. **A robust and unified framework for estimating heritability in twin studies using generalized estimating equations** Stat Med. 2020 May 25. doi: 10.1002/sim.8564. Online ahead of print.
<https://doi.org/10.1002/sim.8564>
6. Bacchetta J, Garnier C. **Response to: Neonatal transient hypophosphatemic hypercalciuric rickets in dizygous twins** Arch Pediatr. 2020 May;27(4):234. doi: 10.1016/j.arcped.2020.03.003. Epub 2020 Apr 22.
<https://doi.org/10.1016/j.arcped.2020.03.003>
7. Baldwin JR, Ayorech Z, Rijdsdijk FV, Schoeler T, Pingault JB. **Cyber-victimisation and mental health in young people: a co-twin control study** Psychol Med. 2020 May 4:1-11. doi: 10.1017/S0033291720001178. Online ahead of print.
<https://doi.org/10.1017/S0033291720001178>
8. Barbati A, Aisa MC, Cappuccini B, Zamarrà M, Gerli S, Di Renzo GC. **Urinary Cystatin-C, a marker to assess and monitor neonatal kidney maturation and function: validation in twins** Pediatr Res. 2020 May 18. doi: 10.1038/s41390-020-0965-8. Online ahead of print.
<https://doi.org/10.1038/s41390-020-0965-8>



9. Battaglia M, Garon-Carrier G, Brendgen M, Feng B, Dionne G, Vitaro F, Tremblay RE, Boivin M. **Trajectories of pain and anxiety in a longitudinal cohort of adolescent twins** *Depress Anxiety*. 2020 May;37(5):475-484. doi: 10.1002/da.22992. Epub 2020 Jan 16.
<https://doi.org/10.1002/da.22992>
10. Benito Vielba M, De Bonrostro Torralba C, Espiau Romera A, Roca Arquillue M, Campillos Maza JM, Castán Mateo S. **Uterocervical angle as a predictor of spontaneous preterm birth in twin pregnancies** *J Matern Fetal Neonatal Med*. 2020 May 28:1-8. doi: 10.1080/14767058.2020.1771553. Online ahead of print.
<https://doi.org/10.1080/14767058.2020.1771553>
11. Besharati M, von Versen-Höyneck F, Kapphahn K, Baker VL. **Examination of fetal growth trajectories following infertility treatment** *J Assist Reprod Genet*. 2020 May 18. doi: 10.1007/s10815-020-01785-8. Online ahead of print.
<https://doi.org/10.1007/s10815-020-01785-8>
12. Binder J, Palmrich P, Pateisky P, Kalafat E, Kuessel L, Zeisler H, Munkhbaatar M, Windsperger K, Thilaganathan B, Khalil A. **The Prognostic Value of Angiogenic Markers in Twin Pregnancies to Predict Delivery Due to Maternal Complications of Preeclampsia** *Hypertension*. 2020 May 26:HYPERTENSIONAHA12014957. doi: 10.1161/HYPERTENSIONAHA.120.14957. Online ahead of print.
<https://doi.org/10.1161/HYPERTENSIONAHA.120.14957>
13. Booij SH, Wigman JTW, Jacobs N, Thiery E, Derom C, Wichers M, Oravecz Z. **Cortisol dynamics in depression: Application of a continuous-time process model** *Psychoneuroendocrinology*. 2020 May;115:104598. doi: 10.1016/j.psyneuen.2020.104598. Epub 2020 Feb 6.
<https://doi.org/10.1016/j.psyneuen.2020.104598>
14. Boomsma DI. **The Genetics of Human DZ Twinning** *Twin Res Hum Genet*. 2020 May 8:1-3. doi: 10.1017/thg.2020.15. Online ahead of print.
<https://doi.org/10.1017/thg.2020.15>
15. Brandsma FL, Spruijt MS, Rijken M, Tan RRGB, Oepkes D, Lopriore E, van Klink JMM. **Behavioural outcome in twin-twin transfusion syndrome survivors treated with laser surgery** *Arch Dis Child Fetal Neonatal Ed*. 2020 May;105(3):304-309. doi: 10.1136/archdischild-2019-317080. Epub 2019 Aug 1.
<https://doi.org/10.1136/archdischild-2019-317080>
16. Cauvet É, Van't Westeinde A, Toro R, Kuja-Halkola R, Neufeld J, Mevel K, Bölte S. **The Social Brain in Female Autism: A Structural Imaging Study of Twins** *Soc Cogn Affect Neurosci*. 2020 May 4:nsaa064. doi: 10.1093/scan/nsaa064. Online ahead of print.
<https://doi.org/10.1093/scan/nsaa064>



17. Chang L, Wang M, Liu H, Meng Q, Yu H, Wu YM, Zhu Y. **Pregnancy outcomes of patients with acute fatty liver of pregnancy: a case control study** BMC Pregnancy Childbirth. 2020 May 11;20(1):282. doi: 10.1186/s12884-020-02980-2.
<https://doi.org/10.1186/s12884-020-02980-2>
18. Chen K, Kuhlmann R, Bell A, Rader J, Baumgartner M, Lemmens K, Merrill D. **Twin Anemia-Polycythemia sequence in sex discordant monochorionic dizygotic twins** Ultrasound Obstet Gynecol. 2020 May 12. doi: 10.1002/uog.22073. Online ahead of print.
<https://doi.org/10.1002/uog.22073>
19. Chen L, Wang J, Tan L, Lu C, Fu G, Fu L, Zhang X, Wang Q, Ma C, Cong B, Li S. **Highly accurate mtGenome haplotypes from long-read SMRT sequencing can distinguish between monozygotic twins** Forensic Sci Int Genet. 2020 May 8;47:102306. doi: 10.1016/j.fsigen.2020.102306. Online ahead of print.
<https://doi.org/10.1016/j.fsigen.2020.102306>
20. Chilver MR, Keller AS, Park HRP, Jamshidi J, Montalto A, Schofield PR, Clark CR, Harmon-Jones E, Williams LM, Gatt JM. **Electroencephalography profiles as a biomarker of wellbeing: A twin study** J Psychiatr Res. 2020 Jul;126:114-121. doi: 10.1016/j.jpsychires.2020.04.010. Epub 2020 May 8.
<https://doi.org/10.1016/j.jpsychires.2020.04.010>
21. Chustz KM, Grimmer SA, Nemeth DG, Pastrana F. **Understanding the neuropsychological effects of 3q29 deletion Syndrome: A fraternal twin case study** Appl Neuropsychol Child. 2020 May 12:1-7. doi: 10.1080/21622965.2020.1757445. Online ahead of print.
<https://doi.org/10.1080/21622965.2020.1757445>
22. Cole SA, Laviada-Molina HA, Serres-Perales JM, Rodriguez-Ayala E, Bastarrachea RA. **The COVID-19 Pandemic during the Time of the Diabetes Pandemic: Likely Fraternal Twins?** Pathogens. 2020 May 19;9(5):E389. doi: 10.3390/pathogens9050389.
<https://doi.org/10.3390/pathogens9050389>
23. Colmant C, Lapillonne A, Stirnemann J, Belaroussi I, Leroy-Terquem E, Kermovant-Duchemin E, Bussieres L, Ville Y. **Impact of different prenatal management strategies in short and long-term outcomes in monochorionic twin pregnancies with selective intrauterine growth restriction and abnormal flow velocity waveforms in the umbilical artery Doppler: a retrospective obser** BJOG. 2020 May 16. doi: 10.1111/1471-0528.16318. Online ahead of print.
<https://doi.org/10.1111/1471-0528.16318>
24. Corroenne R, Al Ibrahim A, Stirnemann J, Zayed LH, Essaoui M, Russell NE, Chalouhi GE, Salomon LJ, Ville Y. **Management of monochorionic twins discordant for structural fetal anomalies** Prenat Diagn. 2020 May 12. doi: 10.1002/pd.5734. Online ahead of print.
<https://doi.org/10.1002/pd.5734>



25. Curado J, Sileo F, Bhide A, Thilaganathan B, Khalil A. **Early- and late-onset selective fetal growth restriction in monochorionic diamniotic twin pregnancy: natural history and diagnostic criteria** *Ultrasound Obstet Gynecol.* 2020 May;55(5):661-666. doi: 10.1002/uog.20849. Epub 2020 Apr 3.
<https://doi.org/10.1002/uog.20849>
26. Dale PS, von Stumm S, Selzam S, Hayiou-Thomas ME. **Does the Inclusion of a Genome-Wide Polygenic Score Improve Early Risk Prediction for Later Language and Literacy Delay?** *J Speech Lang Hear Res.* 2020 May 22;63(5):1467-1478. doi: 10.1044/2020_JSLHR-19-00161. Epub 2020 Apr 28.
https://doi.org/10.1044/2020_JSLHR-19-00161
27. de Vries LP, van de Weijer MP, Ligthart L, Willemsen G, Dolan CV, Boomsma DI, Baselmans BML, Bartels M. **A Comparison of the ASEBA Adult Self Report (ASR) and the Brief Problem Monitor (BPM/18-59)** *Behav Genet.* 2020 May 17. doi: 10.1007/s10519-020-10001-3. Online ahead of print.
<https://doi.org/10.1007/s10519-020-10001-3>
28. Eschbach SJ, Tollenaar LSA, Oepkes D, Lopriore E, Haak MC. **Intermittent absent and reversed umbilical artery flows in appropriately grown monochorionic diamniotic twins in relation to proximate cord insertion; a harmful combination?** *Prenat Diagn.* 2020 May 15. doi: 10.1002/pd.5736. Online ahead of print.
<https://doi.org/10.1002/pd.5736>
29. Eswarakumar A, Robinson C, Carpenter TO. **Response to report of rickets in twins occurring after maternal bisphosphonate exposure** *Arch Pediatr.* 2020 May;27(4):233-234. doi: 10.1016/j.arcped.2020.03.006. Epub 2020 Apr 9.
<https://doi.org/10.1016/j.arcped.2020.03.006>
30. Etzel JA, Courtney Y, Carey CE, Gehred MZ, Agrawal A, Braver TS. **Pattern Similarity Analyses of FrontoParietal Task Coding: Individual Variation and Genetic Influences** *Cereb Cortex.* 2020 May 14;30(5):3167-3183. doi: 10.1093/cercor/bhz301.
<https://doi.org/10.1093/cercor/bhz301>
31. Felder L, McCurdy R, Berghella V. **External cephalic version of the non-cephalic presenting twin: a systematic review** *J Matern Fetal Neonatal Med.* 2020 May 20:1-7. doi: 10.1080/14767058.2020.1768237. Online ahead of print.
<https://doi.org/10.1080/14767058.2020.1768237>
32. Francis SM, Beard KL, Tseng A, Chen M, Gillick BT, Jacob S, Conelea CA. **Transcranial direct current stimulation for compulsivity in adolescent fraternal twins with neurodevelopmental disorders** *Brain Stimul.* 2020 May 12;13(4):1153-1155. doi: 10.1016/j.brs.2020.05.007. Online ahead of print.
<https://doi.org/10.1016/j.brs.2020.05.007>



33. Freire M, Moustafa A, Harkins DM, Torralba MG, Zhang Y, Leong P, Saffery R, Bockmann M, Kuelbs C, Hughes T, Craig JM, Nelson KE. **Longitudinal Study of Oral Microbiome Variation in Twins** Sci Rep. 2020 May 14;10(1):7954. doi: 10.1038/s41598-020-64747-1.
<https://doi.org/10.1038/s41598-020-64747-1>
34. Frenken MWE, de Wit-Zuurendonk LD, Easter SR, Goossens SMTA, Oei SG. **Simulation-based training of vaginal twin delivery for experienced gynaecologists: Useful or not?** Eur J Obstet Gynecol Reprod Biol. 2020 May 25;251:89-97. doi: 10.1016/j.ejogrb.2020.05.020. Online ahead of print.
<https://doi.org/10.1016/j.ejogrb.2020.05.020>
35. Gagliardi L, Rusconi F, Reichman B, Adams M, Modi N, Lehtonen L, Kusuda S, Vento M, Darlow BA, Bassler D, Isayama T, Norman M, Håkansson S, Lee SK, Lui K, Yang J, Shah P; International Network for Evaluating Outcomes of Neonates (iNeo) Investigators. **Neonatal outcomes of extremely preterm twins by sex pairing: an international cohort study** Arch Dis Child Fetal Neonatal Ed. 2020 May 25:fetalneonatal-2020-318832. doi: 10.1136/archdischild-2020-318832. Online ahead of print.
<https://doi.org/10.1136/archdischild-2020-318832>
36. Gerritsen L, Hägg S, Reynolds CA, Pedersen NL. **The association of individual changes in stressful life events and telomere length over time in twins aged 50 years and above** Psychosom Med. 2020 May 14. doi: 10.1097/PSY.0000000000000826. Online ahead of print.
<https://doi.org/10.1097/PSY.0000000000000826>
37. Goldman-Yassen AE, Goodrich JT, Miller TS, Farinhas JM. **Preoperative Evaluation of Craniopagus Twins: Anatomy, Imaging Techniques, and Surgical Management** AJNR Am J Neuroradiol. 2020 May 21. doi: 10.3174/ajnr.A6571. Online ahead of print.
<https://doi.org/10.3174/ajnr.A6571>
38. Gou Q, Chen Y, Yu C, Jia J, Feng J, Gao W, Zhu Z, Tang W, Tou J, Bian H, Wang B, Li Y, Li L, Ren H, Wu Y, Zhan J. **Biliary atresia in twins' population: a retrospective multicenter study in mainland China** Pediatr Surg Int. 2020 Jun;36(6):711-718. doi: 10.1007/s00383-020-04662-8. Epub 2020 May 4.
<https://doi.org/10.1007/s00383-020-04662-8>
39. Gu K, Zhang Y, Sun K, Jiang X. **Associations between PHACTR1 gene polymorphisms and pulse pressure in Chinese Han population** Biosci Rep. 2020 May 18:BSR20193779. doi: 10.1042/BSR20193779. Online ahead of print.
<https://doi.org/10.1042/BSR20193779>



-
40. Gulati N, Mackie FL, Cox P, Marton T, E P Heazell A, Morris RK, Kilby MD. **Cause of intrauterine and neonatal Death in Twin Pregnancies (CoDiT): development of a novel classification system** BJOG. 2020 May 2. doi: 10.1111/1471-0528.16291. Online ahead of print.
<https://doi.org/10.1111/1471-0528.16291>
41. Hayiou-Thomas ME, Smith-Woolley E, Dale PS. **Breadth versus depth: Cumulative risk model and continuous measure prediction of poor language and reading outcomes at 12** Dev Sci. 2020 May 24:e12998. doi: 10.1111/desc.12998. Online ahead of print.
<https://doi.org/10.1111/desc.12998>
42. Hazel WN, Black R, Smock RC, Sear R, Tomkins JL. **An age-dependent ovulatory strategy explains the evolution of dizygotic twinning in humans** Nat Ecol Evol. 2020 May 11. doi: 10.1038/s41559-020-1173-y. Online ahead of print.
<https://doi.org/10.1038/s41559-020-1173-y>
43. Hegarty II JP, Lazzeroni LC, Raman MM, Hallmayer JF, Cleveland SC, Wolke ON, Phillips JM, Reiss AL, Hardan AY. **Genetic and environmental influences on corticostriatal circuits in twins with autism** J Psychiatry Neurosci. 2020 May 1;45(3):188-197. doi: 10.1503/jpn.190030.
<https://doi.org/10.1503/jpn.190030>
44. Heikkilä N, Vanhanen R, Yohannes DA, Saavalainen P, Meri S, Jokiranta TS, Jarva H, Mattila IP, Hamm D, Sormunen S, Saramäki J, Arstila TP. **Identifying the inheritable component of human thymic T cell repertoire generation in monozygous twins** Eur J Immunol. 2020 May;50(5):748-751. doi: 10.1002/eji.201948404. Epub 2020 Jan 14.
<https://doi.org/10.1002/eji.201948404>
45. Henson LJ, Afsar S, Davenport L, Purvis A, Poole EM, Truffinet P. **Pregnancy outcomes in patients treated with leflunomide, the parent compound of the multiple sclerosis drug teriflunomide** Reprod Toxicol. 2020 May 11;95:45-50. doi: 10.1016/j.reprotox.2020.04.073. Online ahead of print.
<https://doi.org/10.1016/j.reprotox.2020.04.073>
46. Hersberger-Zurfluh MA, Papageorgiou SN, Motro M, Kantarci A, Will LA, Eliades T. **Vertical growth in mono-and dizygotic twins: A longitudinal cephalometric cohort study** Orthod Craniofac Res. 2020 May;23(2):192-201. doi: 10.1111/ocr.12358. Epub 2019 Dec 4.
<https://doi.org/10.1111/ocr.12358>
47. Hewitt JK. **Nick Martin and the 'Boulder Workshops'** Twin Res Hum Genet. 2020 May 19:1-2. doi: 10.1017/thg.2020.32. Online ahead of print.
<https://doi.org/10.1017/thg.2020.32>



48. Hines CT, Padilla CM, Ryan RM. **The Effect of Birth weight on Child Development Prior to School Entry** Child Dev. 2020 May;91(3):724-732. doi: 10.1111/cdev.13355. Epub 2020 Jan 28.
<https://doi.org/10.1111/cdev.13355>
49. Hoffman M, Mann LK, Won JH, Bergh EP, Donepudi R, Johnson A, Moise KJ, Macpherson C, Thom E, Mesiano S, Papanna R. **Steroid Hormone Levels in Recipient Amniotic Fluid in Twin-Twin Transfusion Syndrome and Their Association with Preterm Delivery** Am J Perinatol. 2020 May;37(6):562-569. doi: 10.1055/s-0039-1700862. Epub 2019 Dec 31.
<https://doi.org/10.1055/s-0039-1700862>
50. Hourigan SK, Moutinho TJ Jr, Berenz A, Papin J, Guha P, Bangiolo L, Oliphant S, Provenzano M, Baveja R, Baker R, Vilboux T, Levy S, Deopujari V, Nataro JP, Niederhuber JE, Moore SR. **Gram-negative Microbiota Blooms in Premature Twins Discordant for Parenteral Nutrition-associated Cholestasis** J Pediatr Gastroenterol Nutr. 2020 May;70(5):640-644. doi: 10.1097/MPG.0000000000002617.
<https://doi.org/10.1097/MPG.0000000000002617>
51. Howell EM, Johnson P, Cross-Barnet C. **Twin Births in Medicaid: Prevalence, Outcomes, Utilization, and Cost in Four States, 2014-2015** Matern Child Health J. 2020 May;24(5):546-551. doi: 10.1007/s10995-019-02869-3.
<https://doi.org/10.1007/s10995-019-02869-3>
52. Inamdar AA, Diamond M, Shertz W. **Gender-Discordant Monochorionic-Diamniotic Twins Both With 45,X/46,X, Idic(Y) Mosaicism and a Novel Deletion Within the TBC1D5 Gene** Pediatr Dev Pathol. 2020 May 4:1093526620908459. doi: 10.1177/1093526620908459. Online ahead of print.
<https://doi.org/10.1177/1093526620908459>
53. Jacobs A, Hagin M, Shugol M, Shomron N, Pillar N, Fañanás L, Serretti A, Vieta E, Popovic D. **The black sheep of the family- whole-exome sequencing in family of lithium response discordant bipolar monozygotic twins** Eur Neuropsychopharmacol. 2020 May;34:19-27. doi: 10.1016/j.euroneuro.2020.03.009. Epub 2020 Apr 15.
<https://doi.org/10.1016/j.euroneuro.2020.03.009>
54. Jelenkovic A, Sund R, Yokoyama Y, Latvala A, Sugawara M, Tanaka M, Matsumoto S, Freitas DL, Maia JA, Knafo-Noam A, Mankuta D, Abramson L, Ji F, Ning F, Pang Z, Rebato E, Saudino KJ, Cutler TL, Hopper JL, Ullemer V, Almqvist C, Magnusson PKE, Cozen W, Hwan **Genetic and environmental influences on human height from infancy through adulthood at different levels of parental education** Sci Rep. 2020 May 14;10(1):7974. doi: 10.1038/s41598-020-64883-8.
<https://doi.org/10.1038/s41598-020-64883-8>



55. Kärkkäinen S, Silventoinen K, Svedberg P, Ropponen A. **Life events as predictors for disability pension due to musculoskeletal diagnoses: a cohort study of Finnish twins** *Int Arch Occup Environ Health*. 2020 May;93(4):469-478. doi: 10.1007/s00420-019-01505-5. Epub 2019 Dec 11.
<https://doi.org/10.1007/s00420-019-01505-5>
56. Kasner C, Schulte S, Schreiner F, Fimmers R, Stoffel-Wagner B, Bartmann P, Woelfle J, Gohlke B. **IGF-I in cord blood is predictive of final height in monozygotic twins with intra-twin birth weight differences** *Clin Endocrinol (Oxf)*. 2020 May 13. doi: 10.1111/cen.14221. Online ahead of print.
<https://doi.org/10.1111/cen.14221>
57. Kaur N, Ricciardelli R. **Negotiating risk and choice in multifetal pregnancies** *Soc Sci Med*. 2020 May;252:112926. doi: 10.1016/j.socscimed.2020.112926. Epub 2020 Mar 14.
<https://doi.org/10.1016/j.socscimed.2020.112926>
58. Kiefer A, Johnson Rolfes J, Barretto G Jr, Lantos JD. **All for One and One Delivery Room Approach for All?** *Pediatrics*. 2020 May;145(5):e20192704. doi: 10.1542/peds.2019-2704. Epub 2020 Apr 2.
<https://doi.org/10.1542/peds.2019-2704>
59. Korb D, Goffinet F, Bretelle F, Parant O, Riethmuller D, Sentilhes L, Verspyck E, Schmitz T; JUmeaux MODE d'Accouchement (JUMODA) Study Group* and the Groupe de Recherche en Obstétrique et Gynécologie (GROG). **First Twin in Breech Presentation and Neonatal Mortality and Morbidity According to Planned Mode of Delivery** *Obstet Gynecol*. 2020 May;135(5):1015-1023. doi: 10.1097/AOG.0000000000003785.
<https://doi.org/10.1097/AOG.0000000000003785>
60. Kumar A, Roy A, Deshmukh MV, Tamuli R. **Dominant mutants of the calcineurin catalytic subunit (CNA-1) showed developmental defects, increased sensitivity to stress conditions, and CNA-1 interacts with CaM and CRZ-1 in Neurospora crassa** *Arch Microbiol*. 2020 May;202(4):921-934. doi: 10.1007/s00203-019-01768-z.
<https://doi.org/10.1007/s00203-019-01768-z>
61. Lamin A, Jarrar Z, Williams KM, Garg A, Basheer K, Sivaprasad S, Hammond CJ, Mahroo OA. **Segmented Macular Layer Volumes from Spectral Domain Optical Coherence Tomography in 184 Adult Twins: Associations With Age and Heritability** *Invest Ophthalmol Vis Sci*. 2020 May 11;61(5):44. doi: 10.1167/iovs.61.5.44.
<https://doi.org/10.1167/iovs.61.5.44>
62. Lee SM, Kim BJ, Park JS, Norwitz ER, Oh JW, Oh S, Vixay C, Kim SM, Park CW, Jun JK. **Risk of intra-amniotic infection/inflammation and respiratory distress syndrome according to the birth order in twin preterm neonates** *J Matern Fetal Neonatal Med*. 2020 May;33(9):1566-1571. doi: 10.1080/14767058.2018.1523890.
<https://doi.org/10.1080/14767058.2018.1523890>



-
63. Li M, Wang C, Yang Y, Mao L, Chen J, He S, Gou C, Zhang X. **Characteristics of vascular anastomoses in monochorionic twin 587 placentas with selective intrauterine growth restriction via 89 three-dimensional computed tomography angiography** Prenat Diagn. 2020 May;40(6):715-723. doi: 10.1002/pd.5672. <https://doi.org/10.1002/pd.5672>
64. Li W, Chung CYL, Wang CC, Chan TF, Leung MBW, Chan OK, Wu L, Appiah K, Chaemsaitong P, Cheng YKY, Poon LCY, Leung TY. **Monochorionic twins with selective fetal growth restriction: insight from placental whole transcriptome analysis** Am J Obstet Gynecol. 2020 May 10:S0002-9378(20)30532-9. doi: 10.1016/j.ajog.2020.05.008. Online ahead of print. <https://doi.org/10.1016/j.ajog.2020.05.008>
65. Li X, Zhao X, Xing J, Li J, He F, Hou R, Wang Q, Yin G, Li X, Zhang K. **Different epigenome regulation and transcriptome expression of CD4(+) and CD8(+) T cells from monozygotic twins discordant for psoriasis** Australas J Dermatol. 2020 May 21. doi: 10.1111/ajd.13325. Online ahead of print. <https://doi.org/10.1111/ajd.13325>
66. Luke B, Brown MB, Ethen MK, Canfield MA, Watkins S, Wantman E, Doody KJ. **Third grade academic achievement among children conceived with the use of in vitro fertilization: a population-based study in Texas** Fertil Steril. 2020 Jun;113(6):1242-1250.e4. doi: 10.1016/j.fertnstert.2020.01.015. Epub 2020 May 11. <https://doi.org/10.1016/j.fertnstert.2020.01.015>
67. MacKenna A, Schwarze JE, Crosby J, Zegers-Hochschild F. **Factors associated with embryo splitting and clinical outcome of monozygotic twins in pregnancies after IVF and ICSI** Hum Reprod Open. 2020 May 15;2020(1):hoaa024. doi: 10.1093/hropen/hoaa024. eCollection 2020. <https://doi.org/10.1093/hropen/hoaa024>
68. Maes HH, Neale MC, Lonn SL, Lichtenstein P, Sundquist J, Sundquist K, Kendler KS. **Modeling etiology of smoking during pregnancy in Swedish twins, full- & half-siblings, reared together and apart** Nicotine Tob Res. 2020 May 9:ntaa076. doi: 10.1093/ntr/ntaa076. Online ahead of print. <https://doi.org/10.1093/ntr/ntaa076>
69. Maes HH. **Nicholas (Nick) G. Martin and the Extended Twin Model** Twin Res Hum Genet. 2020 May 19:1-3. doi: 10.1017/thg.2020.37. Online ahead of print. <https://doi.org/10.1017/thg.2020.37>
70. Marleen S, Dias C, MacGregor R, Allotey J, Aquilina J, Khalil A, Thangaratinam S. **Biochemical predictors of preterm birth in twin pregnancies: A systematic review involving 6077 twin pregnancies** Eur J Obstet Gynecol Reprod Biol. 2020 May 5;250:130-142. doi: 10.1016/j.ejogrb.2020.04.015. Online ahead of print. <https://doi.org/10.1016/j.ejogrb.2020.04.015>



-
71. Medda E, Fagnani C, Alessandri G, Baracchini C, Hernyes A, Lucatelli P, Pucci G, Tarnoki AD, Tarnoki DL, Stazi MA. **Association between personality profile and subclinical atherosclerosis: The role of genes and environment** Int J Cardiol. 2020 May 19;S0167-5273(20)30478-2. doi: 10.1016/j.ijcard.2020.05.034. <https://doi.org/10.1016/j.ijcard.2020.05.034>
72. Mehta H, Ivanovic S, Cronin A, VanBrunt L, Mistry N, Miller R, Yodice P, Rezai F. **Novel coronavirus-related acute respiratory distress syndrome in a patient with twin pregnancy: A case report** Version 2. Case Rep Womens Health. 2020 May 16;27:e00220. doi: 10.1016/j.crwh.2020.e00220. Online ahead of print. <https://doi.org/10.1016/j.crwh.2020.e00220>
73. Mio C, Fogolari F, Pezzoli L, D'Elia AV, Iascone M, Damante G. **Missense NR2F1 variant in monozygotic twins affected with the Bosch-Boonstra-Schaaf optic atrophy syndrome** Mol Genet Genomic Med. 2020 May 15:e1278. doi: 10.1002/mgg3.1278. Online ahead of print. <https://doi.org/10.1002/mgg3.1278>
74. Myers L, Anderlid BM, Nordgren A, Lundin K, Kuja-Halkola R, Tammimies K, Bölte S. **Clinical versus automated assessments of morphological variants in twins with and without neurodevelopmental disorders** Am J Med Genet A. 2020 May;182(5):1177-1189. doi: 10.1002/ajmg.a.61545. Epub 2020 Mar 12. <https://doi.org/10.1002/ajmg.a.61545>
75. Narusyte J, Ropponen A, Mittendorfer-Rutz E, Svedberg P. **Shared liability to pain, common mental disorders, and long-term work disability differs among women and men** Pain. 2020 May;161(5):1005-1011. doi: 10.1097/j.pain.0000000000001787. <https://doi.org/10.1097/j.pain.0000000000001787>
76. Negishi S, Richards LC, Hughes T, Kondo S, Kasai K. **Genetic contribution to palatal morphology variation using three-dimensional analysis in Australian twins** Arch Oral Biol. 2020 Jul;115:104740. doi: 10.1016/j.archoralbio.2020.104740. <https://doi.org/10.1016/j.archoralbio.2020.104740>
77. Nolan HR, Wagner ML, Jenkins T, Lim FY. **Outcomes in the giant omphalocele population: A single center comprehensive experience** J Pediatr Surg. 2020 May 3:S0022-3468(20)30304-3. doi: 10.1016/j.jpedsurg.2020.04.019. Online ahead of print. <https://doi.org/10.1016/j.jpedsurg.2020.04.019>
78. Paketci C, Edem P, Hiz S, Sonmezler E, Soydemir D, Sarikaya Uzan G, Oktay Y, O'Heir E, Beltran S, Laurie S, Töpf A, Lochmuller H, Horvath R, Yis U. **Successful treatment of intractable epilepsy with ketogenic diet therapy in twins with ALG3-CDG** Brain Dev. 2020 May 7:S0387-7604(20)30126-1. doi: 10.1016/j.braindev.2020.04.008. <https://doi.org/10.1016/j.braindev.2020.04.008>



79. Palma-Gudiel H, Córdova-Palomera A, Navarro V, Fañanás L. **Twin study designs as a tool to identify new candidate genes for depression: A systematic review of DNA methylation studies** *Neurosci Biobehav Rev.* 2020 May;112:345-352. doi: 10.1016/j.neubiorev.2020.02.017. Epub 2020 Feb 14.
<https://doi.org/10.1016/j.neubiorev.2020.02.017>
80. Pavone P, Pappalardo XG, Incorpora G, Falsaperla R, Marino SD, Corsello G, Parano E, Ruggieri M. **Long-term follow-up and novel genotype-phenotype analysis of monozygotic twins with ATP1A3 mutation in Alternating Hemiplegia of Childhood-2** *Eur J Med Genet.* 2020 May 23:103957. doi: 10.1016/j.ejmg.2020.103957.
<https://doi.org/10.1016/j.ejmg.2020.103957>
81. Pergialiotis V, Bellos I, Antsaklis A, Loutradis D, Daskalakis G. **Presence of amniotic fluid sludge and pregnancy outcomes: A systematic review** *Acta Obstet Gynecol Scand.* 2020 May 4. doi: 10.1111/aogs.13893. Online ahead of print.
<https://doi.org/10.1111/aogs.13893>
82. Piro E, Schierz IAM, Serra G, Puccio G, Giuffrè M, Corsello G. **Growth patterns and associated risk factors of congenital malformations in twins** *Ital J Pediatr.* 2020 May 24;46(1):73. doi: 10.1186/s13052-020-00838-z.
<https://doi.org/10.1186/s13052-020-00838-z>
83. Ribero S, Zugna D, Spector T, Bataille V. **Natural history of naevi: a two-wave study** *Br J Dermatol.* 2020 May 4. doi: 10.1111/bjd.19171. Online ahead of print.
<https://doi.org/10.1111/bjd.19171>
84. Riva Crugnola C, Ierardi E, Prino LE, Brustia P, Cena L, Rollè L. **Early styles of interaction in mother-twin infant dyads and maternal mental health** *Arch Womens Ment Health.* 2020 May 26. doi: 10.1007/s00737-020-01037-9. Online ahead of print.
<https://doi.org/10.1007/s00737-020-01037-9>
85. Roseman AS, Blackburn PR, Bakshi S, Grady L, Abbott MA, Hassan S, Hunt J, Richardson M, Peterson JF, Nguyen P, Greipp PT, Singh R. **Twin-to-twin transmission of transient abnormal myelopoiesis without constitutional trisomy 21: A case report** *Cancer Genet.* 2020 May 4;244:62-64. doi: 10.1016/j.cancergen.2020.04.003.
<https://doi.org/10.1016/j.cancergen.2020.04.003>
86. Sakka SD, Mann K, Lachlan K, Davies JH, Bateman M, Holder-Espinasse M, Arya VB. **Haematological chimerism masquerading as disorder of sex development** *Clin Endocrinol (Oxf).* 2020 May;92(5):487-489. doi: 10.1111/cen.14160. Epub 2020 Feb 3.
<https://doi.org/10.1111/cen.14160>



-
87. Santana DS, Cecatti JG, Surita FG, Tedesco RP, Passini R Jr, Souza RT, Lajos GJ, Dias TZ, Nomura ML, Rehder PM, Sousa MH; Brazilian Multicenter Study on Preterm Birth (EMIP) study group. **Maternal and perinatal outcomes and factors associated with twin pregnancies among preterm births: Evidence from the Brazilian Multicenter Study on Preterm Birth (EMIP)** Int J Gynaecol Obstet. 2020 May;149(2):184-191. doi: 10.1002/ijgo.13107. Epub 2020 Mar 2.
<https://doi.org/10.1002/ijgo.13107>
88. Shand JAD, Potter HC, Pilmore HL, Cundy T, Murphy R. **Increased Peripheral Blood Heteroplasmy of the mt.3243A>G Mutation Is Associated with Earlier End-Stage Kidney Disease: A Case Report and Review of the Literature** Nephron. 2020 May 20:1-5. doi: 10.1159/000507732. Online ahead of print.
<https://doi.org/10.1159/000507732>
89. Shen N, Fan L. **[Analysis of scoring system of twin pregnancy vaginal delivery]** Zhonghua Fu Chan Ke Za Zhi. 2020 May 25;55(5):312-316. doi: 10.3760/cma.j.cn112141-20190916-00490.
<https://doi.org/10.3760/cma.j.cn112141-20190916-00490>
90. Silén Y, Sipilä PN, Raevuori A, Mustelin L, Marttunen M, Kaprio J, Keski-Rahkonen A. **DSM-5 eating disorders among adolescents and young adults in Finland: A public health concern** Int J Eat Disord. 2020 May;53(5):520-531. doi: 10.1002/eat.23236.
<https://doi.org/10.1002/eat.23236>
91. Sisti G, Minis E, Di Tommaso M, Magro Malosso ER, Parenti A, Paccosi S, Pachon Romero MI, Witkin SS. **T-cell immunoglobulin mucin-3 and galectin-9 levels in peripheral blood mononuclear cells predict fetal acidemia in twin pregnancies** J Matern Fetal Neonatal Med. 2020 May;33(10):1683-1687. doi: 10.1080/14767058.2018.1526919. Epub 2018 Oct 29.
<https://doi.org/10.1080/14767058.2018.1526919>
92. Skov J, Eriksson D, Kuja-Halkola R, Höjjer J, Gudbjörnsdóttir S, Svensson AM, Magnusson PKE, Ludvigsson JF, Kämpe O, Bensing S. **Co-aggregation and heritability of organ-specific autoimmunity: a population-based twin study** Eur J Endocrinol. 2020 May;182(5):473-480. doi: 10.1530/EJE-20-0049.
<https://doi.org/10.1530/EJE-20-0049>
93. Smith JB, Hellwig K, Fink K, Lyell DJ, Piehl F, Langer-Gould A. **Rituximab, MS, and pregnancy** Neurol Neuroimmunol Neuroinflamm. 2020 May 1;7(4):e734. doi: 10.1212/NXI.0000000000000734. Print 2020 Jul.
<https://doi.org/10.1212/NXI.0000000000000734>



94. Sobhani NC, Avvad-Portari E, Nascimento ACM, Machado HN, Lobato DSS, Pereira JP, Esquivel MS, Vasconcelos ZC, Zin AA, Tsui I, Adachi K, Brickley EB, Fisher SJ, Nielsen-Saines K, Brasil P, Moreira ME, Gaw SL. **Discordant Zika Virus Findings in Twin Pregnancies Complicated by Antenatal Zika Virus Exposure: A Prospective Cohort** J Infect Dis. 2020 May 11;221(11):1838-1845. doi: 10.1093/infdis/jiz629.
<https://doi.org/10.1093/infdis/jiz629>
95. Stephenson M, Barr P, Ksinan A, Aliev F, Latvala A, Viken R, Rose R, Kaprio J, Dick D, Salvatore JE. **Which adolescent factors predict alcohol misuse in young adulthood? A co-twin comparisons study** Addiction. 2020 May;115(5):877-887. doi: 10.1111/add.14888. Epub 2020 Jan 8.
<https://doi.org/10.1111/add.14888>
96. Sun W, Chen L, Yin S, Cai A, Yang Z. **Non-invasive dynamic observation of placental vascular anastomoses in monozygotic twins: Assessment using three-dimensional sonography combined with tomographic ultrasound imaging** Placenta. 2020 May 4;95:84-90. doi: 10.1016/j.placenta.2020.04.015. Online ahead of print.
<https://doi.org/10.1016/j.placenta.2020.04.015>
97. Suspitsin EN, Guseva MN, Kostik MM, Sokolenko AP, Skripchenko NV, Levina AS, Goleva OV, Dubko MF, Tumakova AV, Makhova MA, Lyazina LV, Bizin IV, Sokolova NE, Gabrusskaya TV, Ditkovskaya LV, Kozlova OP, Vahliarskaya SS, Kondratenko IV, Imyanitov EN. **Next generation sequencing analysis of consecutive Russian patients with clinical suspicion of inborn errors of immunity** Clin Genet. 2020 May 22. doi: 10.1111/cge.13789. Online ahead of print.
<https://doi.org/10.1111/cge.13789>
98. Takahashi Y, Pease CR, Pingault JB, Viding E. **Genetic and environmental influences on the developmental trajectory of callous-unemotional traits from childhood to adolescence** J Child Psychol Psychiatry. 2020 May 17. doi: 10.1111/jcpp.13259.
<https://doi.org/10.1111/jcpp.13259>
99. Takhsa Ghahfarokhi M, Nasi L, Casoli F, Fabbrici S, Trevisi G, Cabassi R, Albertini F. **Following the Martensitic Configuration Footprints in the Transition Route of Ni-Mn-Ga Magnetic Shape Memory Films: Insight into the Role of Twin Boundaries and Interfaces** Materials (Basel). 2020 May 1;13(9):E2103. doi: 10.3390/ma13092103.
<https://doi.org/10.3390/ma13092103>
100. Taylor MJ, Rosenqvist MA, Larsson H, Gillberg C, D'Onofrio BM, Lichtenstein P, Lundström S. **Etiology of Autism Spectrum Disorders and Autistic Traits Over Time** JAMA Psychiatry. 2020 May 6:e200680. doi: 10.1001/jamapsychiatry.2020.0680. Online ahead of print.
<https://doi.org/10.1001/jamapsychiatry.2020.0680>



101. Townsend R, Duffy JMN, Sileo F, Perry H, Ganzevoort W, Reed K, Baschat AA, Deprest J, Gratacos E, Hecher K, Lewi L, Lopriore E, Oepkes D, Papageorgiou A, Gordijn SJ, Khalil A; International Collaboration to Harmonise Outcomes for Selective Fetal Growth R **Core outcome set for studies investigating management of selective fetal growth restriction in twins** *Ultrasound Obstet Gynecol.* 2020 May;55(5):652-660. doi: 10.1002/uog.20388. Epub 2020 Mar 29.
<https://doi.org/10.1002/uog.20388>
102. Twito L, Knafo-Noam A. **Beyond culture and the family: Evidence from twin studies on the genetic and environmental contribution to values** *Neurosci Biobehav Rev.* 2020 May;112:135-143. doi: 10.1016/j.neubiorev.2019.12.029. Epub 2020 Jan 7.
<https://doi.org/10.1016/j.neubiorev.2019.12.029>
103. Vegar-Zubović S, Prevljak S, Behmen A, Bektešević H, Zubović D, Jusufbegović M. **Conjoined twins - A case report of prenatal diagnosis of cephalothoracoomphalopagus** *Radiography (Lond).* 2020 May;26(2):e126-e128. doi: 10.1016/j.radi.2019.09.007. Epub 2019 Oct 5.
<https://doi.org/10.1016/j.radi.2019.09.007>
104. Vermeulen MCM, van der Heijden KB, Kocevská D, Treur JL, Huppertz C, van Beijsterveldt CEM, Boomsma DI, Swaab H, Van Someren EJW, Bartels M. **Associations of sleep with psychological problems and well-being in adolescence: causality or common genetic predispositions?** *J Child Psychol Psychiatry.* 2020 May 12. doi: 10.1111/jcpp.13238. Online ahead of print.
<https://doi.org/10.1111/jcpp.13238>
105. Visscher PM. **Musings on Visscher et al. (2006)** *Twin Res Hum Genet.* 2020 May 19:1-2. doi: 10.1017/thg.2020.21. Online ahead of print.
<https://doi.org/10.1017/thg.2020.21>
106. Wang DM, Gao WJ, Lyu J, Yu CQ, Wang SF, Pang ZC, Yu M, Wang H, Wu XP, Dong Z, Wu F, Jiang GH, Wang XJ, Liu Y, Deng J, Lu L, Cao WH, Li LM. **[Heritability of coronary heart disease, based on the data from the Chinese adult twins]** *Zhonghua Liu Xing Bing Xue Za Zhi.* 2020 May 10;41(5):700-704. doi: 10.3760/cma.j.cn112338-20190821-00612.
<https://doi.org/10.3760/cma.j.cn112338-20190821-00612>
107. Wenze SJ, Miers QA, Battle CL. **Postpartum Mental Health Care for Mothers of Multiples: A Qualitative Study of New Mothers' Treatment Preferences** *J Psychiatr Pract.* 2020 May;26(3):201-214. doi: 10.1097/PRA.0000000000000469.
<https://doi.org/10.1097/PRA.0000000000000469>
108. Winiger EA, Huggett SB, Hatoum AS, Friedman NP, Drake CL, Wright KP, Hewitt JK. **Onset of regular cannabis use and young adult insomnia: an analysis of shared genetic liability** *Sleep.* 2020 May 12;43(5):zsz293. doi: 10.1093/sleep/zsz293.
<https://doi.org/10.1093/sleep/zsz293>



109. Yang J, Wei Y, Qi H, Yin N, Yang Y, Li Z, Xu L, Wang X, Yuan P, Li L, Han TL, Zhao Y. **Neonatal hair profiling reveals a metabolic phenotype of monozygotic twins with selective intrauterine growth restriction and abnormal umbilical artery flow** Mol Med. 2020 May 1;26(1):37. doi: 10.1186/s10020-020-00160-8.
<https://doi.org/10.1186/s10020-020-00160-8>
110. Ylijoki M, Haataja L, Lind A, Ekholm E, Lehtonen L; PIPARI study group. **Neurodevelopmental outcome of preterm twins at 5 years of age** Pediatr Res. 2020 May;87(6):1072-1080. doi: 10.1038/s41390-019-0688-x. Epub 2019 Dec 12.
<https://doi.org/10.1038/s41390-019-0688-x>
111. Ylilehto E, Palomäki O, Huhtala H, Uotila J. **Risk factors of unsuccessful vaginal twin delivery** Acta Obstet Gynecol Scand. 2020 May 16. doi: 10.1111/aogs.13916.
<https://doi.org/10.1111/aogs.13916>
112. You SH, Lee YS, Chang YJ, Lin CY, Wang TH, Chang YL. **Gene expression profiling of amniotic fluid mesenchymal stem cells of monozygotic twins discordant for trisomy 21** Gene. 2020 May 15;738:144461. doi: 10.1016/j.gene.2020.144461. Epub 2020 Feb 10.
<https://doi.org/10.1016/j.gene.2020.144461>
113. Zegers-Hochschild F, Crosby JA, Musri C, Souza MDCB, Martinez AG, Silva AA, Mojarra JM, Masoli D, Posada N. **Assisted reproductive techniques in Latin America: The Latin American Registry, 2017** JBRA Assist Reprod. 2020 May 13. doi: 10.5935/1518-0557.20200029. Online ahead of print.
<https://doi.org/10.5935/1518-0557.20200029>
114. Zhang J, Liu XL, Zha TJ, Chen Z, Liu LH. **[A pair of baby twins with severe burns simultaneously]** Zhonghua Shao Shang Za Zhi. 2020 May 20;36(5):399-401. doi: 10.3760/cma.j.cn501120-20190112-00004.
<https://doi.org/10.3760/cma.j.cn501120-20190112-00004>
115. Zhang Y, Lv P, Li Y, Zhang Y, Cheng C, Hao H, Yue H. **Comparison of the biological characteristics of umbilical cord mesenchymal stem cells derived from the human heterosexual twins** Differentiation. 2020 May 18;114:1-12. doi: 10.1016/j.diff.2020.05.005. Online ahead of print.
<https://doi.org/10.1016/j.diff.2020.05.005>
116. Zheng XQ, Yan JY, Xu RL, Wang XC, Li LY, Lin Z. **An analysis of the maternal and infant outcomes in the delayed interval delivery of twins** Taiwan J Obstet Gynecol. 2020 May;59(3):361-365. doi: 10.1016/j.tjog.2020.03.004.
<https://doi.org/10.1016/j.tjog.2020.03.004>