



Twin Research Publications April 2022

1. Achterhof R, Schneider M, Kirtley OJ, Wampers M, Decoster J, Derom C, De Hert M, Guloksuz S, Jacobs N, Menne-Lothmann C, Rutten BPF, Thiery E, van Os J, van Winkel R, Wichers M, Myin-Germeys I. **Be(com)ing social: Daily-life social interactions and parental bonding.** Dev Psychol. 2022 Apr;58(4):792-805. doi: 10.1037/dev0001315. <https://pubmed.ncbi.nlm.nih.gov/35343722/>
2. Anh ND, Hung HS, Sim NT, Ha NTT, Nguyen DL, Bac ND, Tong HV, Ville Y, Thuong PTH. **Fetoscopic Laser Ablation for the Selective Fetal Reduction in Twin-Twin Transfusion Syndrome Stage II-IV: The Experience of a New Fetal Medicine Center.** Int J Womens Health. 2022 Apr 14;14:555-563. doi: 10.2147/IJWH.S350433. eCollection 2022. <https://pubmed.ncbi.nlm.nih.gov/35444472/>
3. Arulalan MJ, Dorairajan G, Mondal N, Chinnakali P. **Comparison of Respiratory Distress Syndrome amongst Preterm Twins (28-34 Weeks) Born within and after Two Weeks of Completion of Single Antenatal Corticosteroid Course: a Bidirectional Cohort Study.** J Mother Child. 2022 Apr 18. doi: 10.34763/jmotherandchild.20212504.d-21-00034. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35436044/>
4. Bajwa J, Deserres L, Lando T, Salik I. **Case Report: Desmoglein-3 Gene Mutation Leading to Airway Compromise in Fraternal Twin Infants.** A A Pract. 2022 Apr 12;16(4):e01584. doi: 10.1213/XAA.0000000000001584. <https://pubmed.ncbi.nlm.nih.gov/35421001/>
5. Bang B, Eisfeldt J, Barbany G, Harila-Saari A, Heyman M, Zachariadis V, Taylan F, Nordgren A. **A somatic UBA2 variant preceded ETV6-RUNX1 in the concordant BCP-ALL of monozygotic twins.** Blood Adv. 2022 Apr 12;6(7):2275-2289. doi: 10.1182/bloodadvances.2021005703. <https://pubmed.ncbi.nlm.nih.gov/34982829/>
6. Batchinsky-Parrou V, Barraud S, Kleiber JC, Litre F. **First case of cyproterone acetate induced multiple meningiomas in identical female twins: A case report.** Neurochirurgie. 2022 Apr;68(3):323-326. doi: 10.1016/j.neuchi.2021.04.021. Epub 2021 May 11. <https://pubmed.ncbi.nlm.nih.gov/33989640/>
7. Beqo BP, Basharkhah A, Haxhija EQ. **Congenital Hypertrophic Pyloric Stenosis in a Preterm Dizygotic Female Twin Infant: Case Report.** Children (Basel). 2022 Apr 17;9(4):573. doi: 10.3390/children9040573. <https://pubmed.ncbi.nlm.nih.gov/35455617/>



8. Bernardini N, Skroza N, Marraffa F, Prevete E, Mambrin A, Proietti I, Tolino E, Caviglia M, Di Guardo A, Rossi G, Volpe S, Bersani G, Potenza C. **A case of twins affected by psoriasis, psoriatic arthritis and autism: Five years of efficacious and safe treatment with Secukinumab.** *Dermatol Ther.* 2022 Apr 22:e15533. doi: 10.1111/dth.15533. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35460156/>
9. Chauvin L, Kumar K, Desrosiers C, Wells W, Toews M. **Efficient Pairwise Neuroimage Analysis Using the Soft Jaccard Index and 3D Keypoint Sets.** *IEEE Trans Med Imaging.* 2022 Apr;41(4):836-845. doi: 10.1109/TMI.2021.3123252. Epub 2022 Apr 1.
<https://pubmed.ncbi.nlm.nih.gov/34699353/>
10. Choi SY, Son SJ, Park B. **Shared genetic effects of emotion and subcortical volumes in healthy adults.** *Neuroimage.* 2022 Apr 1;249:118894. doi: 10.1016/j.neuroimage.2022.118894. Epub 2022 Jan 8.
<https://pubmed.ncbi.nlm.nih.gov/35007717/>
11. Chong Y, Wang W, Zhang A, Zhao Y. **Ultrasound for monitoring twin cesarean scar pregnancy following feticide.** *J Int Med Res.* 2022 Apr;50(4):3000605221095683. doi: 10.1177/03000605221095683.
<https://pubmed.ncbi.nlm.nih.gov/35485849/>
12. Dash GF, Martin NG, Slutske WS. **Childhood maltreatment and disordered gambling in adulthood: disentangling causal and familial influences.** *Psychol Med.* 2022 Apr;52(5):979-988. doi: 10.1017/S0033291720002743. Epub 2020 Aug 3.
<https://pubmed.ncbi.nlm.nih.gov/32744192/>
13. Doering S, Halldner L, Larsson H, Gillberg C, Kuja-Halkola R, Lichtenstein P, Lundström S. **Childhood-onset versus adolescent-onset anxiety and depression: Epidemiological and neurodevelopmental aspects.** *Psychiatry Res.* 2022 Apr 14;312:114556. doi: 10.1016/j.psychres.2022.114556. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35461120/>
14. Doering S, Larsson H, Halldner L, Gillberg C, Kuja-Halkola R, Lundström S. **Internalizing symptoms in adolescence are modestly affected by symptoms of anxiety, depression, and neurodevelopmental disorders in childhood.** *BMC Psychiatry.* 2022 Apr 1;22(1):233. doi: 10.1186/s12888-022-03875-6.
<https://pubmed.ncbi.nlm.nih.gov/35365103/>
15. Dong C, Thalamuthu A, Jiang J, Mather KA, Brodaty H, Sachdev PS, Wen W. **Parental Life Span and Polygenic Risk Score of Longevity Are Associated With White Matter Hyperintensities.** *J Gerontol A Biol Sci Med Sci.* 2022 Apr 1;77(4):689-696. doi: 10.1093/gerona/glab323.
<https://pubmed.ncbi.nlm.nih.gov/34687304/>



16. Duy Anh N, Thu Ha NT, Khac Toan N, Tuan Dat D, Huyen Thuong PT, Tra Giang DT, Anh Duc T, Xuan Anh B, Manh Ha N, Minh Duc N. **Obstetric and Perinatal Outcomes of Dichorionic-Diamniotic Twin Pregnancies Conceived by IVF/ICSI Compared with Those Conceived Spontaneously.** Clin Ter. 2022 Apr 4;173(2):155-163. doi: 10.7417/CT.2022.2410.
<https://pubmed.ncbi.nlm.nih.gov/35385039/>
17. Eslamian L, Ghalandarpour-Attar SN, Shabani A, Ghalandarpour-Attar SM. **An unusual clinical manifestation of coronavirus disease 2019 in a woman with twin pregnancy: a case report.** J Med Case Rep. 2022 Apr 19;16(1):156. doi: 10.1186/s13256-022-03377-9.
<https://pubmed.ncbi.nlm.nih.gov/35440094/>
18. Felgueiras F, Mourão Z, Oliveira Fernandes E, Gabriel MF. **Airborne bacterial and fungal concentrations and fungal diversity in bedrooms of infant twins under 1 year of age living in Porto.** Environ Res. 2022 Apr 15;206:112568. doi: 10.1016/j.envres.2021.112568. Epub 2021 Dec 18.
<https://pubmed.ncbi.nlm.nih.gov/34932978/>
19. Ferraz Liz C, Domingues S, Guedes A, Lopes L. **The impact of chorionicity and assisted reproductive therapies in obstetric and neonatal outcomes.** J Matern Fetal Neonatal Med. 2022 Apr;35(8):1439-1444. doi: 10.1080/14767058.2020.1757060. Epub 2020 Apr 23.
<https://pubmed.ncbi.nlm.nih.gov/32326779/>
20. Fu L, Li C, Li Y, Cheng X, Cui X, Jiang J, Ding N, Fang H, Tang T, Ke X. **Heritability of abnormalities in limbic networks of autism spectrum disorder children: Evidence from an autism spectrum disorder twin study.** Autism Res. 2022 Apr;15(4):628-640. doi: 10.1002/aur.2686. Epub 2022 Feb 24.
<https://pubmed.ncbi.nlm.nih.gov/35212461/>
21. Garcia-Argibay M, du Rietz E, Lu Y, Martin J, Haan E, Lehto K, Bergen SE, Lichtenstein P, Larsson H, Brikell I. **The role of ADHD genetic risk in mid-to-late life somatic health conditions.** Transl Psychiatry. 2022 Apr 11;12(1):152. doi: 10.1038/s41398-022-01919-9.
<https://pubmed.ncbi.nlm.nih.gov/35399118/>
22. Garduno AC, Laughlin GA, Bergstrom J, Tu XM, Cummins KM, Franz CE, Elman JA, Lyons MJ, Reynolds CA, Neale MC, Gillespie NA, Xian H, McKenzie RE, Toomey R, Kremen WS, Panizzon MS, McEvoy LK. **Alcohol use and cognitive aging in middle-aged men: The Vietnam Era Twin Study of Aging.** J Int Neuropsychol Soc. 2022 Apr 25:1-11. doi: 10.1017/S1355617722000169. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35465863/>



23. Gong T, Lundholm C, Lundström S, Kuja-Halkola R, Taylor MJ, Almqvist C. **Understanding the relationship between asthma and autism spectrum disorder: a population-based family and twin study.** Psychol Med. 2022 Apr 7:1-9. doi: 10.1017/S0033291721005158. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35388771/>

24. Groene SG, Tollenaar LSA, Middeldorp JM, Lopriore E. **Neonatal management and outcome in complicated monochorionic twins: What have we learned in the past decade and what should you know?.** Best Pract Res Clin Obstet Gynaecol. 2022 Apr 2:S1521-6934(22)00055-4. doi: 10.1016/j.bpobgyn.2022.03.016. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35513960/>

25. Grøndahl ML, Tharin JE, Maroun LL, Stener Jørgensen F. **Conjoined twins after single blastocyst transfer: a case report including detailed time-lapse recording of the earliest embryogenesis, from zygote to expanded blastocyst.** Hum Reprod. 2022 Apr 1;37(4):718-724. doi: 10.1093/humrep/deac004.
<https://pubmed.ncbi.nlm.nih.gov/35134933/>

26. Gulersen M, Vohra N, Bonanno C. **Selective fetal termination for preeclampsia treatment in a dichorionic gestation with a triploid fetus: A case report.** Case Rep Womens Health. 2022 Apr 25;34:e00415. doi: 10.1016/j.crwh.2022.e00415. eCollection 2022 Apr.
<https://pubmed.ncbi.nlm.nih.gov/35515706/>

27. Han Q, Zheng S, Chen R, Zhang H, Yan J. **A New Model for the Predicting the Risk of Preeclampsia in Twin Pregnancy.** Front Physiol. 2022 Apr 8;13:850149. doi: 10.3389/fphys.2022.850149. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35464090/>

28. Heikkinen EV, Vuollo V, Harila V, Sidlauskas A, Heikkinen T. **Facial asymmetry and chewing sides in twins.** Acta Odontol Scand. 2022 Apr;80(3):197-202. doi: 10.1080/00016357.2021.1985166. Epub 2021 Oct 7.
<https://pubmed.ncbi.nlm.nih.gov/34619067/>

29. Hirata K, Yamamura-Miyazaki N, Kawaguchi H, Umeda S, Moon K, Chiba Y, Nishikawa M, Matsuoka K, Okamoto N. **Six-month survival of a monochorionic monoamniotic twin with sirenomelia.** Birth Defects Res. 2022 Apr 19. doi: 10.1002/bdr2.2016.
<https://pubmed.ncbi.nlm.nih.gov/35437955/>

30. Hochler H, Tevet A, Barg M, Suissa-Cohen Y, Lipschuetz M, Yagel S, Aviram A, Mei-Dan E, Melamed N, Barrett JF, Fox NS, Walfisch A. **Trial of labor of vertex/non-vertex twins following a previous cesarean delivery.** Am J Obstet Gynecol MFM. 2022 Apr 7:100640. doi: 10.1016/j.ajogmf.2022.100640. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35398584/>



31. Hoong MF, Chao AS, Chang SD, Lien R, Chang YL. **Association between respiratory distress syndrome of newborns and fetal growth restriction evaluated using a dichorionic twin pregnancy model.** J Gynecol Obstet Hum Reprod. 2022 Apr 18;51(6):102383. doi: 10.1016/j.jogoh.2022.102383. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35447371/>
32. Hu XL, Shi S, Hou NN, Meng Y, Li M, Liu AX, Lu YC, Li JY, Sheng JZ, Zhu YM, Huang HF. **High Maternal Serum Estradiol in First Trimester of Multiple Pregnancy Contributes to Small for Gestational Age via DNMT1-Mediated CDKN1C Upregulation.** Reprod Sci. 2022 Apr;29(4):1368-1378. doi: 10.1007/s43032-021-00735-8. Epub 2021 Sep 27.
<https://pubmed.ncbi.nlm.nih.gov/34580843/>
33. Hussain FN, Parikh B, Shenoy MS, Al-Ibraheemi Z, Lewis D. **Mirror syndrome in monochorionic diamniotic twins presenting as maternal hyponatremia: A case report.** Case Rep Womens Health. 2022 Feb 17;34:e00401. doi: 10.1016/j.crwh.2022.e00401. eCollection 2022 Apr.
<https://pubmed.ncbi.nlm.nih.gov/35242600/>
34. Kaartinen MT, Hang A, Barry A, Arora M, Heinonen S, Lundbom J, Hakkarainen A, Lundholm N, Rissanen A, Kaprio J, Pietiläinen KH. **Matrisome alterations in obesity - Adipose tissue transcriptome study on monozygotic weight-discordant twins.** Matrix Biol. 2022 Apr;108:1-19. doi: 10.1016/j.matbio.2022.02.005. Epub 2022 Feb 26.
<https://pubmed.ncbi.nlm.nih.gov/35227930/>
35. Katharina P, René H, Janis K, Tina F, Martin PP. **Progesterone, cervical cerclage or cervical pessary to prevent preterm birth: a decision-making analysis of international guidelines.** BMC Pregnancy Childbirth. 2022 Apr 23;22(1):355. doi: 10.1186/s12884-022-04584-4.
<https://pubmed.ncbi.nlm.nih.gov/35461218/>
36. Koskivi M, Lehtonen Š, Trontti K, Keuters M, Wu YC, Koivisto H, Ludwig A, Plotnikova L, Virtanen PLJ, Räsänen N, Kaipainen S, Hyötyläinen I, Dhungana H, Giniatullina R, Ojansuu I, Vaurio O, Cannon TD, Lönnqvist J, Therman S, Suvisaari J, Kaprio J, et al. **Contribution of astrocytes to familial risk and clinical manifestation of schizophrenia.** Glia. 2022 Apr;70(4):650-660. doi: 10.1002/glia.24131. Epub 2021 Dec 22.
<https://pubmed.ncbi.nlm.nih.gov/34936134/>
37. Kuppan AJ, Samuel V, Mahesh R, Jaganath PM, Anil S. **Twinning rates in Chennai, India - A cross-sectional study.** J Family Med Prim Care. 2022 Apr;11(4):1450-1454. doi: 10.4103/jfmpc.jfmpc_1223_21. Epub 2022 Mar 18.
<https://pubmed.ncbi.nlm.nih.gov/35516699/>



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38. Larrivée-Vanier S, Jean-Louis M, Magne F, Bui H, Rouleau GA, Spiegelman D, Samuels ME, Kibar Z, Van Vliet G, Deladoëy J. **Whole-Exome Sequencing in Congenital Hypothyroidism Due to Thyroid Dysgenesis.** *Thyroid.* 2022 Apr 25. doi: 10.1089/thy.2021.0597. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35272499/>
39. Lecarie EK, Doane LD, Clifford S, Lemery-Chalfant K. **The onset of pubertal development and actigraphy-assessed sleep during middle childhood: Racial, gender, and genetic effects.** *Sleep Health.* 2022 Apr;8(2):208-215. doi: 10.1016/j.sleh.2021.12.006. Epub 2022 Feb 21. <https://pubmed.ncbi.nlm.nih.gov/35210201/>
40. Lee SY, Bae JY, Hong SY. **Twin anemia polycythemia sequence in a dichorionic diamniotic pregnancy: a case report.** *J Yeungnam Med Sci.* 2022 Apr;39(2):150-152. doi: 10.12701/yujm.2021.01060. Epub 2021 Jul 2. <https://pubmed.ncbi.nlm.nih.gov/34198372/>
41. Leigh E, Rimfeld K, Bowes L, Clark DM, Eley TC, Krebs G. **Prospective associations between internalising symptoms and educational achievement in youth: A monozygotic twin differences study.** *J Affect Disord.* 2022 Jun 15;307:199-205. doi: 10.1016/j.jad.2022.03.073. Epub 2022 Apr 4. <https://pubmed.ncbi.nlm.nih.gov/35390354/>
42. Li X, Xuan Y, Wang J, Wang L, Papageorghiou AT, Wu Q. **Crown-Rump Length Discordance, Increased Nuchal Translucency, and Detection of Fetal Structural Anomalies in Twin Pregnancies in the First Trimester: 5 Years of Experience in a Tertiary Hospital in China.** *J Ultrasound Med.* 2022 Apr;41(4):971-982. doi: 10.1002/jum.15784. Epub 2021 Jul 21. <https://pubmed.ncbi.nlm.nih.gov/34289155/>
43. Liu S, Li G, Wang C, Zhou P, Wei Z, Song B. **Pregnancy and obstetric outcomes of dichorionic and trichorionic triamniotic triplet pregnancy with multifetal pregnancy reduction: a retrospective analysis study.** *BMC Pregnancy Childbirth.* 2022 Apr 5;22(1):280. doi: 10.1186/s12884-022-04617-y. <https://pubmed.ncbi.nlm.nih.gov/35382798/>
44. Liu X, Fu H, Wen L, Zhu F, Wu Y, Chen Z, Saffery R, Chen C, Qi H, Tong C, Baker PN, Kilby MD. **The Metabolic Signatures of Surviving Cotwins in Cases of Single Intrauterine Fetal Death During Monochorionic Diamniotic Pregnancy: A Prospective Case-Control Study.** *Front Mol Biosci.* 2022 Apr 8;9:799902. doi: 10.3389/fmolb.2022.799902. eCollection 2022. <https://pubmed.ncbi.nlm.nih.gov/35463954/>



45. Lu J, Ting YH, Leung TY. **Determining chorionicity and amnionicity in twin pregnancies: Pitfalls.** Best Pract Res Clin Obstet Gynaecol. 2022 Apr 1:S1521-6934(22)00044-X. doi: 10.1016/j.bpobgyn.2022.03.005. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35490102/>
46. Meng X, Wang Y, Yuan P, Wang X, Yin S, Shi H, Gong X, Zhao Y, Wei Y. **Outcome of monochorionic triamniotic triplet pregnancies: Expectant management versus fetal reduction.** Prenat Diagn. 2022 Apr 28. doi: 10.1002/pd.6161. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35484928/>
47. Migliarino V, Magnolato A, Barbi E. **Twin girls with hypophosphataemic rickets and papilloedema.** Arch Dis Child Educ Pract Ed. 2022 Apr;107(2):124-126. doi: 10.1136/archdischild-2020-319615. Epub 2020 Oct 30. <https://pubmed.ncbi.nlm.nih.gov/33127660/>
48. Mikaelsen I, Johansen AN, Tappert C, Eggebø TM. **Induction of labor in twin pregnancies - A retrospective cohort study.** Sex Reprod Healthc. 2022 Apr 1;32:100724. doi: 10.1016/j.srhc.2022.100724. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35436694/>
49. Mitro SD, Peddada S, Gleason JL, He D, Whitcomb B, Russo L, Grewal J, Zhang C, Yisihak SF, Hinkle SN, Buck Louis GM, Newman R, Grobman W, Sciscione AC, Owen J, Ranzini A, Craigo S, Chien E, Skupski D, Wing D, Grantz KL. **Longitudinal Changes in Physical Activity during Pregnancy: NICHD Fetal Growth Studies.** Med Sci Sports Exerc. 2022 Apr 25. doi: 10.1249/MSS.0000000000002947. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35482764/>
50. Morosoli JJ, Barlow FK, Colodro-Conde L, Medland SE. **Genetic and Environmental Influences on Biological Essentialism, Heuristic Thinking, Need for Closure, and Conservative Values: Insights From a Survey and Twin Study.** Behav Genet. 2022 Apr 3. doi: 10.1007/s10519-022-10101-2. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35368232/>
51. Muhammad S, Laraswati B, Violetta L. **Radiology assessment of omphalopagus conjoined twins: A case report.** Radiol Case Rep. 2022 Feb 4;17(4):1169-1174. doi: 10.1016/j.radcr.2022.01.042. eCollection 2022 Apr. <https://pubmed.ncbi.nlm.nih.gov/35169422/>
52. Mwita S, Kamala BA, Konje E, Ambrose EE, Izina A, Chibwe E, Kongola G, Dewey D. **Association between antenatal corticosteroids use and perinatal mortality among preterm singletons and twins in Mwanza, Tanzania: an observational study.** BMJ Open. 2022 Apr 7;12(4):e059030. doi: 10.1136/bmjopen-2021-059030. <https://pubmed.ncbi.nlm.nih.gov/35393329/>



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53. Nemazee L, Cuddy L, Clayton TH. **Congenital erosive and vesicular dermatosis with reticulated scarring in twins, associated with oesophageal atresia.** Clin Exp Dermatol. 2022 Apr;47(4):809-811. doi: 10.1111/ced.15033. Epub 2022 Feb 2. <https://pubmed.ncbi.nlm.nih.gov/35108747/>
54. Ni P, Wang H, Cai J, Ran J, Jiang Y, Zhao L, Wei J, Ni R, Wang Y, Ma X, Wang Q, Guo W, Li T. **Generation and characterization of human-derived iPSC lines from one pair of dizygotic twins discordant for schizophrenia.** Stem Cell Res. 2022 Apr;60:102710. doi: 10.1016/j.scr.2022.102710. Epub 2022 Feb 15. <https://pubmed.ncbi.nlm.nih.gov/35182860/>
55. Nunes CM, Biancolin SE, Miyadahira MY, Peres SV, de Carvalho MHB, Francisco RPV, Brizot ML. **Sonographic evaluation of umbilical cord thickness in monochorionic diamniotic twin pregnancies.** Prenat Diagn. 2022 May;42(5):636-642. doi: 10.1002/pd.6141. Epub 2022 Apr 12. <https://pubmed.ncbi.nlm.nih.gov/35393678/>
56. Nunez E, Huluta I, Gallardo Arozena M, Wright A, Nicolaidis KH, Charakida M. **Maternal cardiac function in twin pregnancy at 19-23 weeks' gestation.** Ultrasound Obstet Gynecol. 2022 May;59(5):627-632. doi: 10.1002/uog.24857. Epub 2022 Apr 11. <https://pubmed.ncbi.nlm.nih.gov/35020248/>
57. Ocal FCA, Kavus H, Satar B, Pehli van D. **One Genetic Defect and Two Related Entities in Monozygotic Twins: Otosclerosis and Superior Semicircular Canal Near Dehiscence Syndrome.** J Audiol Otol. 2022 Apr;26(2):97-102. doi: 10.7874/jao.2021.00381. Epub 2021 Nov 9. <https://pubmed.ncbi.nlm.nih.gov/34748697/>
58. Pop LG, Piron M, Radoi V, Bacalbasa N, Toader OD. **Monochorionic Diamniotic Twins with Bordering Cord Insertions: Images and Outcome.** Diagnostics (Basel). 2022 Apr 14;12(4):985. doi: 10.3390/diagnostics12040985. <https://pubmed.ncbi.nlm.nih.gov/35454032/>
59. Rodríguez-Ubreva J, Arutyunyan A, Bonder MJ, Del Pino-Molina L, Clark SJ, de la Calle-Fabregat C, Garcia-Alonso L, Handfield LF, Ciudad L, Andrés-León E, Krueger F, Català-Moll F, Rodríguez-Cortez VC, Polanski K, Mamanova L, van Dongen S, Kiselev VY, et al. **Single-cell Atlas of common variable immunodeficiency shows germinal center-associated epigenetic dysregulation in B-cell responses.** Nat Commun. 2022 Apr 1;13(1):1779. doi: 10.1038/s41467-022-29450-x. <https://pubmed.ncbi.nlm.nih.gov/35365635/>
60. Rosén J, Kastrati G, Kuja-Halkola R, Larsson H, Åhs F. **A neuroimaging study of interpersonal distance in identical and fraternal twins.** Hum Brain Mapp. 2022 Apr 13. doi: 10.1002/hbm.25864. Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/35417056/>



61. Rutkowska-Zapała M, Szaflarska A, Kluczevska A, Cięciwa J, Plewka J, Michalska A, Siedlar M. **Novel IL2RG Gene Mutation in One of Dizygotic Twins Causing Profound Changes of Receptor Structure.** Front Pediatr. 2022 Apr 15;10:858166. doi: 10.3389/fped.2022.858166. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35498802/>
62. Schwarz M, Ryba L, Křepelová A, Moslerová V, Zelinová M, Turnovec M, Martinková J, Kratochvílová L, Dražanský M, Macek M Jr, Havlovicová M. **Zimmermann-Laband syndrome in monozygotic twins with a mild neurobehavioral phenotype lacking gingival overgrowth-A case report of a novel KCNN3 gene variant.** Am J Med Genet A. 2022 Apr;188(4):1083-1087. doi: 10.1002/ajmg.a.62616. Epub 2021 Dec 14.
<https://pubmed.ncbi.nlm.nih.gov/34907639/>
63. Segev M, Djurabayev B, Hadi E, Yinon Y, Rabinowicz S, Hoffmann C, Shrot S. **Third Trimester Structural and Diffusion Brain Imaging after Single Intrauterine Fetal Death in Monochorionic Twins: MRI-Based Cohort Study.** AJNR Am J Neuroradiol. 2022 Apr;43(4):620-626. doi: 10.3174/ajnr.A7475. Epub 2022 Mar 24.
<https://pubmed.ncbi.nlm.nih.gov/35332016/>
64. Shinar S, Harris K, Van Mieghem T, Lewi L, Morency AM, Blaser S, Ryan G. **Early imaging predictors of fetal cerebral ischemic injury in monochorionic twin pregnancy complicated by spontaneous single intrauterine death.** Ultrasound Obstet Gynecol. 2022 Apr;59(4):497-505. doi: 10.1002/uog.24844.
<https://pubmed.ncbi.nlm.nih.gov/34940985/>
65. Sibbin K, Yap P, Nyaga D, Heller R, Evans S, Strachan K, Alburaiqy S, Nguyen HMA, Hermann-Le Denmat S, Ganley ARD, O'Sullivan JM, Bloomfield FH. **A de novo ACTB gene pathogenic variant in identical twins with phenotypic variation for hydrops and jejunal atresia.** Am J Med Genet A. 2022 Apr;188(4):1299-1306. doi: 10.1002/ajmg.a.62631. Epub 2021 Dec 31.
<https://pubmed.ncbi.nlm.nih.gov/34970864/>
66. Silventoinen K, Jelenkovic A, Palviainen T, Dunkel L, Kaprio J. **The Association Between Puberty Timing and Body Mass Index in a Longitudinal Setting: The Contribution of Genetic Factors.** Behav Genet. 2022 Apr 5. doi: 10.1007/s10519-022-10100-3. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35381915/>
67. Skaug E, Czajkowski NO, Waaktaar T, Torgersen S. **Childhood trauma and borderline personality disorder traits: A discordant twin study.** J Psychopathol Clin Sci. 2022 May;131(4):365-374. doi: 10.1037/abn0000755. Epub 2022 Apr 4.
<https://pubmed.ncbi.nlm.nih.gov/35377676/>



68. Smith GCS. **Mode of delivery of twins at term.** Best Pract Res Clin Obstet Gynaecol. 2022 Apr 1;S1521-6934(22)00054-2. doi: 10.1016/j.bpobgyn.2022.03.015.
<https://pubmed.ncbi.nlm.nih.gov/35466063/>
69. Stefanovic V, Nupponen I, Jernman RM. **Excellent perinatal outcome of monoamniotic twin pregnancy with timely diagnosis and optimal management - a retrospective cohort study.** J Perinat Med. 2022 Apr 4. doi: 10.1515/jpm-2021-0612. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35377568/>
70. Suarez GL, Burt SA, Gard AM, Burton J, Clark DA, Klump KL, Hyde LW. **The impact of neighborhood disadvantage on amygdala reactivity: Pathways through neighborhood social processes.** Dev Cogn Neurosci. 2022 Apr;54:101061. doi: 10.1016/j.dcn.2022.101061. Epub 2022 Jan 12.
<https://pubmed.ncbi.nlm.nih.gov/35042163/>
71. Tamene A, Molla M. **Sirenomelia: A case report.** SAGE Open Med Case Rep. 2022 Apr 14;10:2050313X221092560. doi: 10.1177/2050313X221092560. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35449530/>
72. Thomas HJ, Marsh CE, Scurrah KJ, Naylor LH, Smith KJ, Green DJ. **Studies of twin responses to understand exercise THERapy (STRUETH): Cerebrovascular function.** J Physiol. 2022 Apr 27. doi: 10.1113/JP282998. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35474455/>
73. Vaccarino V, Shah AJ, Moncayo V, Nye J, Piccinelli M, Ko YA, Ma X, Murrah N, Shallenberger L, Driggers E, Levantsevych OM, Hammadah M, Lima BB, Young A, O'Neal W, Alkhalaf M, Haffar A, Raggi P, Goldberg J, Smith NL, Garcia EV, Quyyumi AA, Bremner JD. **Posttraumatic Stress Disorder, Myocardial Perfusion, and Myocardial Blood Flow: A Longitudinal Twin Study.** Biol Psychiatry. 2022 Apr 1;91(7):615-625. doi: 10.1016/j.biopsych.2021.09.016. Epub 2021 Sep 27.
<https://pubmed.ncbi.nlm.nih.gov/34865854/>
74. Vilchez-Vargas R, Skieceviciene J, Lehr K, Varkalaite G, Thon C, Urba M, Morkūnas E, Kucinskas L, Bauraitė K, Schanze D, Zenker M, Malferteiner P, Kupcinskas J, Link A. **Gut microbial similarity in twins is driven by shared environment and aging.** EBioMedicine. 2022 Apr 28;79:104011. doi: 10.1016/j.ebiom.2022.104011.
<https://pubmed.ncbi.nlm.nih.gov/35490553/>
75. Vitucci A, Fratelli N, Fichera A, Sartori E, Prefumo F. **Timing of intra-fetal laser therapy for twin reversed arterial perfusion (TRAP) sequence: Retrospective series and systematic review and meta-analysis.** Int J Gynaecol Obstet. 2022 Apr 18. doi: 10.1002/ijgo.14221. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35435256/>



76. Wagh R, Bjerregaard-Andersen M, Bandyopadhyay S, Yajnik P, Prasad RB, Otiv S, Byberg S, Hennild DE, Gomes GM, Christensen K, Sodemann M, Jensen DM, Yajnik CS. **Twins in Guinea-Bissau have a 'thin-fat' body composition compared to singletons.** J Dev Orig Health Dis. 2022 Apr 4:1-7. doi: 10.1017/S2040174422000150. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35373734/>
77. Waites BT, Walker AR, Caughey AB. **Delivery timing in dichorionic diamniotic twin pregnancies complicated by preeclampsia: a decision analysis.** J Matern Fetal Neonatal Med. 2022 Apr 18:1-6. doi: 10.1080/14767058.2022.2053103. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35437110/>
78. Wang C, Tang F, Song B, Li G, Xing Q, Cao Y. **The clinical outcomes of selective and spontaneous fetal reduction of twins to a singleton pregnancy in the first trimester: a retrospective study of 10 years.** Reprod Biol Endocrinol. 2022 Apr 22;20(1):71. doi: 10.1186/s12958-022-00935-0.
<https://pubmed.ncbi.nlm.nih.gov/35459181/>
79. Wang Y, Shi H, Wang X, Yuan P, Wei Y, Zhao Y. **Early- and late-onset selective fetal growth restriction in monochorionic twin pregnancy with expectant management.** J Gynecol Obstet Hum Reprod. 2022 Apr;51(4):102314. doi: 10.1016/j.jogoh.2022.102314. Epub 2022 Jan 15.
<https://pubmed.ncbi.nlm.nih.gov/35042000/>
80. Wayhelova M, Vallova V, Broz P, Mikulasova A, Loubalova D, Filkova H, Smetana J, Drabova K, Gaillyova R, Kuglik P. **Novel de novo pathogenic variant in the GNAI1 gene as a cause of severe disorders of intellectual development.** J Hum Genet. 2022 Apr;67(4):209-214. doi: 10.1038/s10038-021-00988-w. Epub 2021 Nov 25.
<https://pubmed.ncbi.nlm.nih.gov/34819662/>
81. Weissbach T, Tal I, Regev N, Shust-Barequet S, Meyer R, Miller TE, Yoeli-Ullman R, Kassif E, Lipitz S, Yinon Y, Weisz B, Mazaki-Tovi S. **Late selective termination and the occurrence of placental-related pregnancy complications: A case control study.** Placenta. 2022 Apr;121:23-31. doi: 10.1016/j.placenta.2022.02.011. Epub 2022 Feb 21.
<https://pubmed.ncbi.nlm.nih.gov/35247692/>
82. Whitsel N, Reynolds CA, Buchholz EJ, Pahlen S, Pearce RC, Hatton SN, Elman JA, Gillespie NA, Gustavson DE, Puckett OK, Dale AM, Eyer LT, Fennema-Notestine C, Hagler DJ Jr, Hauger RL, McEvoy LK, McKenzie R, Neale MC, Panizzon MS, Sanderson-Cimino M, et al. **Long-term associations of cigarette smoking in early mid-life with predicted brain aging from mid- to late life.** Addiction. 2022 Apr;117(4):1049-1059. doi: 10.1111/add.15710. Epub 2021 Oct 28.
<https://pubmed.ncbi.nlm.nih.gov/34605095/>



-
83. Winter-Paquette LM, Al Suwaidi HH, Sajjad Y, Bricker L. **Congenital diaphragmatic hernia and early lethality in PIGL-related disorder.** Eur J Med Genet. 2022 May;65(5):104501. doi: 10.1016/j.ejmg.2022.104501. Epub 2022 Apr 1.
<https://pubmed.ncbi.nlm.nih.gov/35378319/>
84. Wood H. **Twin study probes non-heritable immune aspects of multiple sclerosis.** Nat Rev Neurol. 2022 Apr;18(4):188. doi: 10.1038/s41582-022-00641-w.
<https://pubmed.ncbi.nlm.nih.gov/35241814/>
85. Xavier C, Vieira M, Duarte AF, Xavier A, Silva ED. **Horizontal Gaze Palsy and Progressive Scoliosis in Dizygotic Twins.** J Binocul Vis Ocul Motil. 2022 Apr-Jun;72(2):105-110. Epub 2022 Mar 7.
<https://pubmed.ncbi.nlm.nih.gov/35254960/>
86. Yamamoto T, Taniguchi M, Matsunaga K, Kawata Y, Kawamura M, Okubo K, Yamashiro K, Omori K, Takashiba S. **Analysis of subgingival microbiota in monozygotic twins with different severity and progression risk of periodontitis.** Clin Case Rep. 2022 Apr 18;10(4):e05725. doi: 10.1002/ccr3.5725. eCollection 2022 Apr.
<https://pubmed.ncbi.nlm.nih.gov/35449775/>
87. Yang J, Hou L, Wang J, Xiao L, Zhang J, Yin N, Yao S, Cheng K, Zhang W, Shi Z, Wang J, Jiang H, Huang N, You Y, Lin M, Shang R, Wei Y, Zhao Y, Zhao F. **Unfavourable intrauterine environment contributes to abnormal gut microbiome and metabolome in twins.** Gut. 2022 Apr 6;gutjnl-2021-326482. doi: 10.1136/gutjnl-2021-326482. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35387876/>
88. Ystrom E, Degerud E, Tesli M, Høye A, Reichborn-Kjennerud T, Næss Ø. **Alcohol consumption and lower risk of cardiovascular and all-cause mortality: the impact of accounting for familial factors in twins.** Psychol Med. 2022 Apr 20:1-9. doi: 10.1017/S0033291722000812. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35440344/>
89. Yurkiw K, Alshaikh B, Hasan SU, Louis D, Emberley J, Claveau M, Beltempo M, Yusuf K; Canadian Neonatal Network Investigators. **Neonatal outcomes of twins <29 weeks gestation of mothers with hypertensive disorders of pregnancy.** Pediatr Res. 2022 Apr 5. doi: 10.1038/s41390-022-02044-5. Online ahead of print.
<https://pubmed.ncbi.nlm.nih.gov/35383262/>
90. Zellers SM, Iacono WG, McGue M, Vrieze S. **Developmental and etiological patterns of substance use from adolescence to middle age: A longitudinal twin study.** Drug Alcohol Depend. 2022 Apr 1;233:109378. doi: 10.1016/j.drugalcdep.2022.109378. Epub 2022 Feb 26.
<https://pubmed.ncbi.nlm.nih.gov/35248999/>



91. Zhang C, Li C, Yang L, Hou W, Du M, Wu T, Chen W. **Assessment of Twin Fetal Exposure to Environmental Magnetic and Electromagnetic Fields.** Bioelectromagnetics. 2022 Apr;43(3):160-173. doi: 10.1002/bem.22397. Epub 2022 Mar 1.
<https://pubmed.ncbi.nlm.nih.gov/35233784/>
92. Zhang L, Liu H, Huang S, Tong C, Wang Z, Qi H, Baker PN, Kilby MD. **Alterations in Fetal Doppler Parameters Before and Twenty-Four Hours After Radiofrequency Ablation for Twin Reversed Arterial Perfusion Sequence.** Front Med (Lausanne). 2022 Apr 14;9:802666. doi: 10.3389/fmed.2022.802666. eCollection 2022.
<https://pubmed.ncbi.nlm.nih.gov/35492315/>
93. Zheng K, Gao W, Cao W, Lv J, Yu C, Wang S, Huang T, Sun D, Liao C, Pang Y, Pang Z, Yu M, Wang H, Wu X, Dong Z, Wu F, Jiang G, Wang X, Liu Y, Deng J, Lu L, Li L. **Education, income, and obesity: A nationwide Chinese twin study.** Obesity (Silver Spring). 2022 Apr;30(4):931-942. doi: 10.1002/oby.23390. Epub 2022 Mar 11.
<https://pubmed.ncbi.nlm.nih.gov/35275605/>